EPI-AID 26: Multistate outbreak of E.coli O157 from lettuce in national fast food chain

These records have been processed under the Freedom of Information Act (FOIA).

Contact the CDC/ATSDR FOIA Office for appeal rights pertaining to the redactions.

10 Clinton St. Hartford, CT 06106 (860) 509-8562 phone (860) 509-8699 fax laurn.mank@po.state.ct.us CTPFGE@po.state.ct.us Posted: 21 Dec 2006 11:47 AM 0612mIEXH-2 (EXHX01.1486)_ML_E. coli O157:H7 Subject: Molly Joyner Hello, Total Messages 73 Attached is an updated PulseNet linelist for E. coli outbreak 0612mIEXH-2. Thank you, Molly Joyner Posted: 29 Dec 2006 02:20 PM Mark this topic read OO Watch this Topic

Molly Joyner	Subject: 0612mlEXH-2 (EXHX01:1486)_ML_E. coli O157:H7
Total Messages 73	Hello,
	Attached is an updated PulseNet linelist for E. coli outbreak 0612mlEXH-2. New additions are highlighted.
	Thank you,
	Molly Joyner
	Posted: 20 Dec 2006 12:12 PM
Message not rated	
<u>Laurn Mank</u>	©Subject: 0612mlEXH-2 (EXHX01:1486)_ML_E. coli 0157:H7
Total Messages 34	Connecticut has it's first isolate consistent on both XbaI and BlnI with this cluster. The CT key number is 02028309 and the date of collection is 12/09/2006. The patient is a 2yr old male from Fairfield county.
	Both patterns are uploaded to the national database as of today, 12/21/2006.
	Our epis, Quyen Phan and Pat Mshar, are reachable at 860-509-7994 or by email at quyen.phan@po.state.ct.us or pat.mshar@po.state.ct.us if you have any further questions. Laurn Mank

Joyner, Molly M. (CDC/CCID/NCZVED) (CTR)

From:

Hise, Kelley B. (CDC/CCID/NCID)

Sent:

Wednesday, September 27, 2006 3:56 PM

To:

'Chmielecki, Wayne'; PFGE National Database (CDC)

Cc:

Ribot, Efrain (CDC/CCID/NCID); Joyner, Molly M. (CDC/CCID/NCID) (CTR)

Subject:

RE: 0609mlEXH-2c (EXHX01.0124)

Follow Up Flag: Follow up Flag Status:

Completed

Wayne,

I have named the referenced patterns EXHX01.0124 (Xbal) and EXHA26.0015 (Blnl). I have included them in the list associated with the E. coli spinach outbreak (0609mlEXH-2). Molly will post an updated linelist by tomorrow.

Thanks.

Kelley

Kelley B. Hise, MPH

PulseNet Database Team Leader

Phone: (404) 639-0704

From: Chmielecki, Wayne [mailto:wchmieleck@state.pa.us]

Sent: Wednesday, September 27, 2006 3:38 PM

To: PFGE National Database (CDC) Cc: Hise, Kelley B. (CDC/CCID/NCID) **Subject:** 0609mlEXH-2c (EXHX01.0124)

Importance: High

Hi All,

We just uploaded samples 06E01595 and 06F00475 to the E.coli database in gel number PA06204. Our epi people are quite interested in possibly making a late day press release that would concern these samples. 06E01595 (owner of spinach 06F00480) and 06F00475 (spinach owned by 06E01456).

Thank you for your help. Wayne

Wayne A. Chmielecki Molecular Microbiology Section **Bureau of Laboratories** PA Dept. of Health 110 Pickering Way Lionville, PA 19353 tel. 610-280-3464, Ext. 3247 fax 610-450-1932 wchmieleck@state.pa.us

Joyner, Molly M. (CDC/CCID/NCZVED) (CTR)

From: Foodborne Outbreaks Listserv [FOODBORNE-OUTBREAKS@LISTSERV.CDC.GOV] on behalf of

Sheth, Anandi (CDC/CCID/NCZVED)

Sent: Monday, December 04, 2006 7:22 PM

To: FOODBORNE-OUTBREAKS@LISTSERV.CDC.GOV

Subject: Notification: E. coli O157 infections among patrons of Taco Bell restaurants, New Jersey and New

York, November 2006

Dear Colleagues:

The New Jersey Department of Health and Senior Services has informed CDC that they and 3 county health departments are investigating 37 persons with confirmed or possible *E. coli* O157:H7 infections with onsets of illness between November 20 and last week. Among 22 persons who provided information, 20 had eaten at a Taco Bell restaurant in the week before onset of illness. Five Taco Bell restaurants in three counties were named by ill persons. The ill persons included 36 New Jersey residents and a person from Delaware who visited New Jersey. 27 persons were hospitalized, and 2 developed HUS. Illness has mostly occurred in children and young adults. Case finding, investigation of food histories, and laboratory testing are ongoing.

In addition, the New York State Department of Health has notified CDC that they and two county health departments are investigating 14 persons with *E. coli* O157 infection with onsets of illness between November 20 and last week. At least ten recalled eating at a Taco Bell restaurant in New York state; ill persons named at least 8 Taco Bell restaurants.

Officials in New Jersey and New York are issuing state-wide public health alerts. State health officials are obtaining isolates for testing by pulsed-field gel electrophoresis (PFGE); these will be posted to PulseNet as soon as available. A conference call with involved health officials is scheduled for 2:30 PM EST on Tuesday, December 5. For more information, the CDC contact is Anandi Sheth (asheth@cdc.gov, 404 639-1984).

Many thanks, -Anandi

Anandi Sheth, MD

LT, USPHS

Epidemic Intelligence Service Officer

Enteric Diseases Epidemiology Branch

Division of Foodborne, Bacterial & Mycotic Diseases

National Center for Zoonotic, Vector-Borne & Enteric Diseases

Centers for Disease Control and Prevention 1600 Clifton Road, MS A-38 Atlanta, Georgia 30333 Phone: (404) 639-1984

Fax: (404) 639-2205 Email: asheth@cdc.gov Notification: E. coli O157 infections among patrons of Taco Bell restaurants, New Jersey ... Page 2 of 2

Joyner, Molly M. (CDC/CCID/NCZVED) (CTR)

From:

EPIX Update (CDC)

Sent:

Monday, December 04, 2006 11:48 PM

To:

Joyner, Molly M. (CDC/CCID/NCZVED) (CTR)

Subject:

Epi-X Today: December 04, 2006

Epi-X reports posted in your areas of interest in the past 24 hours. To view a specific report, click on its URL.

E. coli 0157 Possibly Associated with Fast Food Consumption - New Jersey and New York, November 2006

Fifty-one cases of suspected E.coli 0157 infection are under investigation in NY and NJ. Onsets range from 11/20 to present. Many of the ill reported eating at one of numerous Taco Bell restaurants.

https://epix.cdc.gov/openreport.asp?rpt=8768&rpttype=100&action=3

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NIOSH HHE: Re-Evaluation of Police Officers' Illness and Stress Symptoms -- Louisiana,

The Superintendent of the New Orleans Police Department has requested assistance in reevaluating current illness and stress symptoms among officers who were involved in Hurricane Katrina response.

https://epix.cdc.gov/openreport.asp?rpt=8765&rpttype=100&action=3

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NIOSH HHE: Potential Ergonomic Risk Factors at a Cabinet Manufacturer -- Pennsylvania, 2006

The Safety Manager of Yorktowne Cabinets requested an evaluation to assist in preventing repetitive motion injuries among cabinet workers.

https://epix.cdc.gov/openreport.asp?rpt=8764&rpttype=100&action=3

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NIOSH HHE: Potential Chemical Exposure from an Adjoining Business -- Michigan, 2006

The Director of Sales at Schreiner Label Tech, Inc. has requested an evaluation of health complaints suspected to be caused by vapors coming from an adjacent printing company.

https://epix.cdc.gov/openreport.asp?rpt=8763&rpttype=100&action=3

_*~*~*~*~*~*~*~*~*

~*~ Media Tracking Report, December 4, 2006 ~*~

Today's news reports include E. coli in NJ, rabies in WV, polonium in Europe, pneumonia in Canada, suspected norovirus on a Caribbean cruise, and malaria in Jamaica.

https://epix.cdc.gov/openreport.asp?rpt=8767&rpttype=100&action=3

ABOUT THIS E-MAIL

You have received this message because you are an authorized Epi-X user.

Rost Study Ret Study Only / COMPLETIE	
tone of Distinguish	A before some part
ID number (State Lab ID if available) 19376 Non TB each Car	
NOVEMBER 2006-E. COLI 0157 OUTBREAK- CASE QUESTIONNAIRE	ł a
Phone number (b)(6)	
Age 13 Sex SIM OF State NJ County Union City Plain field	I H SWEE
Interviewer name Jessice Lung Date of interview 12/8/2006 @ nown	
Who was interviewed? Case Spouse Parent X His MW	الووتوما الموتومان الموتومان الموا
Stool specimen collection date: 11 / 27/2006	1)
Case Status (please circle) Confirmed Probable & In Ecoli	7
First I will ask you some questions about your illness.	
What is the date and time that you first began having diarrhea?	
Date of onset of diarrhea: <u> </u>	
What is the date and time that you first noticed symptoms other than diarrhea (such as nausea, vomiting, abdominal cramps, fever):	
Date of onset of other symptoms 11 / 26 / 2006 Time: 12:00 AM PM a lot of cramp	
Are you a Taco Bell employee? (please circle) Yes (No) a little bit he fall a little nausc a	
I. SYMPTOMS AND SEVERITY OF ILLNESS. Now I will ask you some questions about your symptoms and illness.	
Y ? N Did you have any of these symptoms? Y ? N	
A D	
B D Did you visit an emergency room for your illness? St BA, Ma bas 11/2	a7
c	
D Any Diarrhea? If yes, number of hospital nights 4 Claus.	
Any Bloody diarrhea? Did you develop HUS (hemolytic uremic syndrome)?	
F Did you receive antibiotics for your illness?	
Did the patient die?	,
Lands (race truck arm) Secaucus (City) - [P177a frum pf77 Clocal p177a) - away Irving ak frum thut you (no neut) screeps befor) (man docint know what kid 1 posse. pr	14
II. RESTAURANT EXPOSURES. Now I will ask you some questions about places where you may have eaten. Please Perfern	54
answer these questions for the 7 days prior to the opent of your illness	her
Y ? N Also at the Contro begriefly sate 11/25 S	Sarah
A 💢 🗖 🗖 Did you eat at any restaurants? (Specify street, city, state for each location)	usuh
B D Did you eat at any Taco Bell? If yes, LocationDate/_/2006	1/26
Date//2006	
C Did you eat at any Kentucky Fried Chicken (KFC)? If yes, Location Date / /2006	
D Did you eat at any A & W All American Food? If yes, Location Date/_ 2006	
E	
F	
H 🖸 🗖 🔯 Did you eat at Subway? If yes, Location Date//2006	
Did you eat at Blimpies? If yes, Location Date / /2006	
Did you eat at any other restaurant? Meadow Lands Crace truck are) @ Secaucus - ate front furcet free Su	nehn
K D Did you have a dining companion? PIZTA from local pina place @ Irving ten & score bre week before 11/26 Water	beton
If yes, name 1 contact number which restaurant?	
2 contact number which restaurant?	
3 contact number which restaurant?	
M Did your dining companion develop diarrhea and/or vomiting within 7 days of dining at the restaurant?	
If yes, which dining companion (specify name)	

Case Questionnaire

III. TACO BELL EXPOSURES (ASK ABOUT THE 7 DAYS BEFORE ILLNESS ONSET). Which of the following menu items did you eat at Taco Bell? Please note the menu items you ate for all Taco Bell visits that you mentioned previously and how many of each menu item you ate. Please remember that many items can be ordered with beef, chicken, or steak. Please specify which meat you ate. If you made substitutions in your order, you will be able to specify this later in the questionnaire. If you cannot remember the name of the menu item you ate (mark "I don't remember" under Misc), you will be able to describe it later in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to your meal, please indicate that also (mark under Misc).

Υ	?	N	Big Bell Value Menu	#		Υ	?	N	Chalupas	#	-
A (1)	Ö		1/2 lb cheesy bean & rice burrito grande soft taco		А				chalupa supreme- ground beef (standard)	_	
вО			1/2 lb beef combo burrito		В				chalupa supreme- chicken		
co			spicy chicken soft taco		С				chalupa supreme- steak/ carne asada		
00			spicy chicken burrito		D				chalupa baja- ground beef (standard)		
EO	O		1/2 lb beef & potato burrito		E				chalupa baja- chicken		
FO		o	double decker taco- ground beef (standard)		F				chalupa baja- steak/ carne asada		Ì
G 🗇			double decker taco- chicken	********	G				chalupa nacho cheese- ground beef (standard)		
но	۵		double decker taco- steak/ carne asada		Н				chalupa nacho cheese- chicken	*****	
10			caramel apple empanada		1				chalupa nacho cheese- steak/ carne asada		-
Jo			cheesy fiesta potatoes						Nachos & Sides		***************************************
			Tacos		A				nachos	_	
A (1)			original taco (standard is ground beef)		В				nachos supreme		
вП			taco supreme (standard is ground beef)		С				nachos bellgrande		
co	0		soft taco (standard is ground beef)		D				pintos & cheese		ļ
00	o		ranchero chicken soft taco		E				mexican rice	_	***************************************
EO		o	soft taco supreme- ground beef (standard)	_	F				cinnamon twists		
FO			soft taco supreme- chicken						Specialties		
G 🗖			soft taco supreme- steak/ carne asada	-	A				crunchwrap supreme		
но			grilled steak soft taco		В				mexican pizza		İ
			Burritos		С				enchirito- ground beef (standard)	—	
A 🗇			bean burrito		D				enchirito- chicken		-
вП			7 layer burrito		E				enchirito- steak/ came asada		
СП		0	chili cheese burrito		F				meximelt- ground beef (standard)	_	
DO			burrito supreme- ground beef (standard)		G				meximelt- chicken		
Ε □	0		burrito supreme- chicken	-	н				meximelt- steak/ carne asada		
FO			burrito supreme- steak/ carne asada	_	1				fiesta taco salad- ground beef (standard)	_	Ī
G			fiesta burrito- ground beef (standard)		J				fiesta taco salad- chicken		
нО	٥		fiesta burrito- chicken		к				fiesta taco salad- steak/ carne asada		
10			fiesta burrito- steak/ carne asada		L				taco salad express- ground beef (standard)		
J o			grilled stuffed burrito- ground beef (standard)		M				taco salad express- chicken	_	
κО			grilled stuffed burrito- chicken		N				taco salad express- steak/ came asada		
60			grilled stuffed burrito- steak/ carne asada		0				mountain dew baja blast		
			Gorditas						Quesadillas		
ΑП			gordita supreme- ground beef (standard)		Α				chicken quesadilla	_	
8 0			gordita supreme- chicken		В				steak quesadilla		
co			gordita supreme- steak/ carne asada						Bowls		
DO			gordita baja- ground beef (standard)		Α				zesty chicken border bowl		
E 0			gordita baja- chicken		В				southwest steak border bowl	_	
FO			gordita baja- steak/ carne asada						Misc.		
G			gordita nacho cheese- ground beef (standard)		A			0	Other		
н О			gordita nacho cheese- chicken	_	В				Other		
10			gordita nacho cheese- steak/ carne asada		C				I don't remember		
					D				I added a sauce to my meal (e.g., mild, hot, fire)		••••

Υ	?	N	ORDER SUBSTITUTIONS				
ΑП			Did you specialize your order (for examp	le, did you	ask for no sour cream, no to	matoes, no	beef, substitute beans, etc.). If yes, state
			which specific menu item you ordered ar	nd state he	ow you specialized your order	for each me	enu item.
Name	of me	enu	1	2		3	
item:			☐ Hold tomatoes		Hold tomatoes		Hold tomatoes
			☐ Hold lettuce		Hold lettuce	0	Hold lettuce
			Hold beef		Hold beef		Hold beef
			Hold chicken		Hold chicken		Hold chicken
			☐ Hold cheese		Hold cheese		Hold cheese
			☐ Hold sour cream		Hold sour cream		Hold sour cream
			☐ Hold any onions		Hold any onions	0	Hold any onions
			☐ Hold white onions		Hold white onions		Hold white onions
			 Hold green onions 	O	Hold green onions		Hold green onions
			☐ Hold olives		Hold olives		Hold olives
			☐ Substitute beans for meat		Substitute beans for meat		Substitute beans for meat
			☐ Hold sauce (specify type)	o	Hold sauce (specify type)_		Hold sauce (specify type)
			Other		Other		Other
			IF YOU CANNOT REMEMBER OR DO	NOT KNO	OW THE MENU ITEM, answe	r both sets	of questions below:
Υ	?	N	If you cannot remember what menu item	you orde	red, do you know if you ordere	ed:	
ΑО			A Taco?				
вО			A Burrito?				
СП			A Quesadilla?				
DO			A Salad?				
EO			Nachos?				
F 🖸			Other (ex., gordita, chalupa, etc)	Describe)		
			If you cannot remember what menu item	(s) you or	dered, did any of your menu it	tems contai	n (check all that apply):
Υ	?	N					
G 🖂			Tomatoes •				
н 🗖			Lettuce				
1 0			Ground beef				
JO			Chicken			•	
κО			Sour Cream				
۲ 🗖			Cheese				
мП			Beans				
N			Green onions				
0 🗆			White onions				
Р□		0	Any onions				
Q 🗖			Steak				
R 🗖			Olives				
s 🗖			Sauce (ex., mild, hot, fire)				·
7 0			Other (specify)				

Case Questionnaire

ID number (State Lab ID if available)									
NOVEMBER 2006E. COLI O157 OUTBREAK- CASE QUESTIONNAIRE									
Phone number (b)(6)									
To Pam Diaz									
Interviewer name Status Date of interview 12 /9 /2006									
Who was interviewed? Case Spouse Parent									
Stool specimen collection date: 11 /21 /2006 Case was in back of the collection date:									
Who was interviewed? Case Spouse Parent Case was in background Stool specimen collection date: 11 /21 /2006 Case Status (please circle) Confirmed Probable Fosther relayed questions Found hear answers									
First I will set you some questions about your illness									
First I will ask you some questions about your limess.									
What is the date and time that you first began having diarrhea?									
Date of onset of diarrhea: 11 / 19 / 2006 Time: 8 : OC (AM) PM									
What is the date and time that you first noticed symptoms other than diarrhea (such as nausea, vomiting, abdominal cramps, fever):									
Date of onset of other symptoms 11 / 18 / 2006 Time: 9:30 AM PM									
Are you a Taco Bell employee? (please circle) Yes No									
I. SYMPTOMS AND SEVERITY OF ILLNESS. Now I will ask you some questions about your symptoms and illness.									
Y ? N Did you have any of these symptoms? Y ? N									
A XI									
B 💢 🗖 🗖 Any Vomiting?									
C ♥ □ □ Any Abdominal cramps? / ♥ □ □ Were you hospitalized overnight?									
D 💆 🗖 Any Diarrhea?									
E Any Bloody diarrhea? J 🗖 🗖 💆 Did you develop HUS (hemolytic uremic syndrome)?									
F Did you receive antibiotics for your illness?									
L Did the patient die?									
(Ate 45 off tarcus) (Amended 12/10/06 Mother culted to Say care did eat at Tarco Bell on Nov 5									
Coule did eat at To 10 Bell on Nov 5									
II. RESTAURANT EXPOSURES. Now I will ask you some questions about places where you may have eaten. Please									
answer these questions for the 7 days prior to the onset of your illness.									
Y ? N									
A Did you eat at any restaurants? (Specify street, city, state for each location) B Did you eat at any Taco Bell? If yes, Location Contain 3 Would Date 1/2006									
a harmana de Val									
- Date - 2000									
5. Sur your out at any trontour, the comment of the surface of the									
D. B. L. J. D. L. J. J. L. J. L. J. L. J. L. J. L. J. L. J. J. L. J. J. L. J. J. L. J. J. L. J. J. J. L. J. J. J. L. J. J. J. L. J.									
C - L C David Williams Willia									
0.274									
, and the state of									
The state of the s									
Did you eat at any other restaurant?									
Did you have a dining companion? If yes, name 1 (b)(6) Ontact number Sawe which restaurant? Pizza Hut									
contact number Same which restaurant?									
3 contact number same which restaurant?									
M'S Did your dining companion develop diarrhea and/or vomiting within 7 days of dining at the restaurant?									
If yes, which dining companion (specify name)									
Case Questionnaire (b)(6) 11/27/06 - went to hos 10 1									
(b)(6)									

ID	number (State	Lab	ID	if	available	:)
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Y	?	N	ORDER SUBSTITUTIONS				
Α□			Did you specialize your order (for examp	ole, did you	ask for no sour cream, no to	matoes, no	beef, substitute beans, etc.). If yes
			which specific menu item you ordered a		ow you specialized your order	for each me	enu item.
Name	of me	enu	1.	2		3	***************************************
item:			☐ Hold tomatoes		Hold tomatoes		Hold tomatoes
			☐ Hold lettuce		Hold lettuce		Hold lettuce
			☐ Hold beef		Hold beef		Hold beef
			☐ Hold chicken	0	Hold chicken		Hold chicken
			☐ Hold cheese		Hold cheese		Hold cheese
			☐ Hold sour cream		Hold sour cream		Hold sour cream
			☐ Hold any onions		Hold any onions		Hold any onions
			☐ Hold white onions		Hold white onions		Hold white onions
			Hold green onions		Hold green onions		Hold green onions
			☐ Hold olives		Hold olives		Hold olives
			Substitute beans for meat		Substitute beans for meat		Substitute beans for meat
			☐ Hold sauce (specify type)		Hold sauce (specify type)		Hold sauce (specify type)
			Other		Other		Other
			IF YOU CANNOT REMEMBER OR DO	NOT KNO	W THE MENU ITEM, answe	r both sets	of questions below:
Υ	?	N	If you cannot remember what menu iten	n you orde	red, do you know if you ordere	ed:	
A 🛭			A Taco?				
в 🗆			A Burrito?				
C			A Quesadilla?				
D 🗖			A Salad?				
E 🗖			Nachos?				
F 🗖			Other (ex., gordita, chalupa, etc)				
			If you cannot remember what menu iten	n(s) you or	dered, did any of your menu i	tems contai	n (check all that apply):
Y	?	N					
G 🗖			Tomatoes				
н 🗖			Lettuce		,		
1 0			Ground beef				
J 🗇			Chicken				
κ□			Sour Cream				
L O			Cheese				
м 🗆			Beans				
Ν□			Green onions				
0 🗖			White onions				
P□			Any onions				
QD			Steak				
R 🗖			Olives				
s 🗆			Sauce (ex., mild, hot, fire)				
тП			Other (specify)				

Rest Study Net Study &	hy COMPLETE
193±1=3	- Threeds to.
ID number (State Lab ID if available)	
NOVEMBER 2006E, COLI 0157 OUTBREAK- CA	SE QUESTIONNAIRE
Phone number(0)(0)	
Age 18 Sex □ M XF State NJ	county Essex city East Orange
Interviewer name Tessica Leuro Date of interview 12	18 12006 Hinday after thanking
Who was interviewed? Case Spouse Spouse	Parent
Stool specimen collection date: 1 / 27/2006	Wen must to doctor
Case Status (please circle) Confirmed Probable	(1) by lab
First I will ask you some questions about your illness.	- 0
What is the date and time that you first began having diarrhea?	10/11 late they note after theastern
Date of onset of diarrhea: 1/24/2006	Time: : AM (PM)
What is the date and time that you first noticed symptoms other than of	
	1 7
Date of onset of other symptoms 1 / 24 / 20	
Are you a Taco Bell employee? (please circle) Yes	No fri after thanking haucean stunach pain
I. SYMPTOMS AND SEVERITY OF ILLNESS. Now I will ask you so	ome questions about your symptoms and illness.
Y ? N Did you have any of these symptoms? Y ? N	
A 🕽 🗆 Any Nausea?	Did you visit a health care provider for your illness?
B NO O Any Vomiting?	Did you visit an emergency room for your illness?
C 🛛 🗖 🗖 Any Abdominal cramps?	Were you hospitalized overnight?
D 🖾 🗇 🗇 Any Diarrhea?	If yes, number of hospital nights
E X D Any Bloody diarrhea?	Did you develop HUS (hemolytic uremic syndrome)?
F D D X Any Fever? K D D X	Did you receive antibiotics for your illness?
1.WN	Did the patient die?
II. RESTAURANT EXPOSURES. Now I will ask you some question answer these questions for the 7 days prior to the onset of your	ns about places where you may have eaten. Please illness.
Y ? N	
A Did you eat at any restaurants?	(Specify street, city, state for each location)
B 🗍 🗖 🕱 Did you eat at any Taco Bell?	If yes, LocationDate//2006
	Date/_2006
c 🕱 🗇 🗇 Did you eat at any Kentucky Fried Chicken (KFC)?	If yes, Location Central Av. CA Eust Charge Date 11/21/2006 Fin Liter
D D Did you eat at any A & W All American Food?	yes, LocationDate/_/2006
E 🗇 🗇 🂢 Did you eat at any Long John Silver's?	yes, LocationDate//2006
F 🗍 🗇 Did you eat at any Pizza Hut?	yes, LocationDate//2006
G 🗆 🗖 Did you eat at McDonalds?	yes, LocationDate//2006
H 🗖 🗖 💆 Did you eat at Subway?	yes, LocationDate//2006
	yes, LocationDate//2006
J Did you eat at any other restaurant?	
K □ □ □ Did you have a dining companion?	
<i>J</i> C	t number which restaurant?
	ct number which restaurant?
	t number which restaurant?
M D D NA Did your dining companion develop diarrhea and/or	
If yes, which dining companion (specify name)	

Case Questionnaire

III. TACO BELL EXPOSURES (ASK ABOUT THE 7 DAYS BEFORE ILLNESS ONSET). Which of the following menu items did you eat at Taco Bell? Please note the menu items you ate for all Taco Bell visits that you mentioned previously and how many of each menu item you ate. Please remember that many items can be ordered with beef, chicken, or steak. Please specify which meat you ate. If you made substitutions in your order, you will be able to specify this later in the questionnaire. If you cannot remember the name of the menu item you ate (mark "I don't remember" under Misc), you will be able to describe it later in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to your meal, please indicate that also (mark under Misc).

Y	?	N	Big Bell Value Menu	#	Υ	?	N	Chalupas	#
ΑО			1/2 lb cheesy bean & rice burrito grande soft taco		Α□			chalupa supreme- ground beef (standard)	
вО			1/2 lb beef combo burrito	Manager 1	вО			chalupa supreme- chicken	
СП			spicy chicken soft taco		co			chalupa supreme- steak/ carne asada	
D 🗇			spicy chicken burrito		DO			chalupa baja- ground beef (standard)	
€ 0			1/2 lb beef & potato burrito		E 🗆			chalupa baja- chicken	
FO	0		double decker taco- ground beef (standard)		F 🗇		ø	chalupa baja- steak/ carne asada	_
G			double decker taco- chicken	_	G 🗖			chalupa nacho cheese- ground beef (standard)	_
нП			double decker taco- steak/ carne asada		нО			chalupa nacho cheese- chicken	
10			caramel apple empanada		10			chalupa nacho cheese- steak/ carne asada	
Jo			cheesy fiesta potatoes					Nachos & Sides	
			Tacos		ΑО			nachos	
A 🗇			original taco (standard is ground beef)		вО			nachos supreme	_
8 0	0	٥	taco supreme (standard is ground beef)		СП			nachos beligrande	
СП			soft taco (standard is ground beef)		D O			pintos & cheese	
DO			ranchero chicken soft taco		εO			mexican rice	
E O			soft taco supreme- ground beef (standard)		F 🗇			cinnamon twists	_
F 🗇			soft taco supreme- chicken					Specialties	
G □			soft taco supreme- steak/ carne asada	_	Α□			crunchwrap supreme	
нО			grilled steak soft taco		вО			mexican pizza	_
			Burritos		co			enchirito- ground beef (standard)	
ΑО	O		bean burrito		DO			enchirito- chicken	******
вО			7 layer burrito		E O			enchirito- steak/ came asada	
сП			chili cheese burrito		F 🗆			meximelt- ground beef (standard)	
DO			burrito supreme- ground beef (standard)		G 🗆			meximelt- chicken	
E 🗇		O	burrito supreme- chicken		н 🗆			meximelt- steak/ carne asada	
F□			burrito supreme- steak/ carne asada		1 0			fiesta taco salad- ground beef (standard)	
G 🗇			fiesta burrito- ground beef (standard)		J			fiesta taco salad- chicken	_
нО			fiesta burrito- chicken		κО			fiesta taco salad- steak/ carne asada	
10			fiesta burrito- steak/ carne asada	_	L O			taco salad express- ground beef (standard)	
JO			grilled stuffed burrito- ground beef (standard)		мО			taco salad express- chicken	
κ□			grilled stuffed burrito- chicken		NO			taco salad express- steak/ came asada	_
L O			grilled stuffed burrito- steak/ carne asada		0 🛭			mountain dew baja blast	
			Gorditas					Quesadillas	
ΑП			gordita supreme- ground beef (standard)		A 🗇			chicken quesadilla	
вО			gordita supreme- chicken	-	вО			steak quesadilla	
c 🗇			gordita supreme- steak/ carne asada					Bowls	
DO			gordita baja- ground beef (standard)		A O	0		zesty chicken border bowl	_
€ 🗆			gordita baja- chicken		в□			southwest steak border bowl	
FO			gordita baja- steak/ carne asada					Misc.	
G 🗇			gordita nacho cheese- ground beef (standard)		ΑП			Other	
н 🗖			gordita nacho cheese- chicken		вО		0	Other	
1 0			gordita nacho cheese- steak/ carne asada	_	c 🗆			I don't remember	,
					00			I added a sauce to my meal (e.g., mild, hot, fire)	

Υ	?	N	ORDER SUBSTITUTIONS		
4 🗇				ample, did you ask for no sour cream, no tomatoes, no beef, subs d and state how you specialized your order for each menu item.	titute beans, etc.). If yes, sta
Name	of me	enu	1.	2 3	***************************************
item:	U ,		☐ Hold tomatoes	☐ Hold tomatoes ☐ Hold tom	atoes
			☐ Hold lettuce	☐ Hold lettuce ☐ Hold lette	ice
			Hold beef	☐ Hold beef ☐ Hold bee	əf
			☐ Hold chicken	☐ Hold chicken ☐ Hold chi	cken
			☐ Hold cheese	☐ Hold cheese ☐ Hold che	eese
			Hold sour cream	☐ Hold sour cream ☐ Hold sou	r cream
			Hold any onions	☐ Hold any onions ☐ Hold any	onions
			☐ Hold white onions	☐ Hold white onions ☐ Hold whi	te onions
			Hold green onions	☐ Hold green onions ☐ Hold gre	en onions
			☐ Hold olives	☐ Hold olives ☐ Hold oliv	es
			 Substitute beans for meat 	☐ Substitute beans for meat ☐ Substitu	te beans for meat
			☐ Hold sauce (specify type)_		e (specify type)
			Other	Other Other	
.,			IF YOU CANNOT REMEMBER OR	DO NOT KNOW THE MENU ITEM, answer both sets of question	ons below:
Υ	?	N	If you cannot remember what menu	item you ordered, do you know if you ordered:	
A 🗇			A Taco?		
в 🗇			A Burrito?		
c 🗇			A Quesadilla?		
D O			A Salad?		
E 0			Nachos?		
F 🗖			Other (ex., gordita, chalupa,		
			If you cannot remember what menu	item(s) you ordered, did any of your menu items contain (check a	ll that apply):
Y	?	N			
G 🎞			Tomatoes •		
н 🗆			Lettuce		
			Ground beef		
J			Chicken		
K 🛮			Sour Cream		
LO			Cheese		
v O			Beans		
N□			Green onions		
0 🗖			White onions		
P 🗇			Any onions		

Steak Olives

Sauce (ex., mild, hot, fire)

Other (specify)

s 0 0 0

7 0 0 0

Case Questionnaire 3

		A = last
ID number (State	Lab ID if available) 193	762 Mynath
•	· · · · · · · · · · · · · · · · · · ·	
	(b)(6)	BREAK- CASE QUESTIONNAIRE
Phone number		- Early Fack
Age <u>/8</u>	Sex □ M OF State	NJ County ESSEX City East Ovange
Interviewer name	Angie Weber Date of	interview <u>/2 / // // /</u> 2006
Who was interview		e Parent .
	11 00	- Loune She all porrite
Stool specimen co		She was not sure. The only top
Case Status (plea	se circle) Confirmed	Probable She was not sure. She only reported that she had been told it was e.c.
First I will ask yo	u some questions about your illn	ess. and that it had not entered the
What is the date a	nd time that you first began having	
	ite of onset of diarrhea:/// &	
		1111d. 100
	•	oms other than diarrhea (such as nausea, vomiting, abdominal cramps, fever):
Da	ate of onset of other symptoms/	/ / <u>847</u> 2006 Time: <u>7 : 00</u> AM (PM)
Are vou a Taco Be	ell employee? (please circle)	Yes No
•		
I. SYMPTOMS AN	ID SEVERITY OF ILLNESS. Now I	will ask you some questions about your symptoms and illness.
Y ? N E	Did you have any of these symptoms?	Y ? N
AXOOA	Any Nausea?	G Did you visit a health care provider for your illness? on 11/30
8 X 0 0 A	Any Vomiting?	H D Did you visit an emergency room for your illness? 01 11/29
	any Abdominal cramps?	/ □ □ Were you hospitalized overnight?
	ny Diarrhea?	If yes, number of hospital nights
	ny Bloody diarrhea?	」 ☐ Did you develop HUS (hemolytic uremic syndrome)?
F 0 0 X A	any Fever?	K □ □ Did you receive antibiotics for your illness?
	· · · · · · · · · · · · · · · · · · ·	L 🗇 🗖 🏚 Did the patient die?
	EXPOSURES. Now I will ask you stions for the 7 days prior to the	some questions about places where you may have eaten. Please
Y ? N		
A 0 0 X	Did you eat at any restaurants?	(Specify street, city, state for each location)
800 🗑	Did you eat at any Taco Bell?	If yes, LocationDate//2006
^		Date / /2006
	Did you eat at any Kentucky Fried (Chicken (KFC)? If yes, Location Date/_/2006
000	Did you eat at any A & W All Americ	
	Did you eat at any Long John Silver	
F 🗆 🗇 🕽 🕽	Did you eat at any Pizza Hut?	If yes, LocationDate/_/2006
6 D D 💥	Did you eat at McDonalds?	If yes, LocationDate/_/2006
но о 🗶	Did you eat at Subway?	If yes, Location Date //2006
	Did you eat at Blimpies?	If yes, LocationDate//2006
	Did you eat at any other restaurant	
ко о 'Д	Did you have a dining companion?	
1/A	If yes, name 1.	
ML	2	
	3,	
M D D D A		diarrhea and/or vomiting within 7 days of dining at the restaurant?
<i>\//</i> /\	If yes, which dining companion (spe	cify name)
Case Questionhaire		

Υ	?	N	ORDER SUBSTITUTIONS				
A 🗇			Did you specialize your order (for example,	, did yo	u ask for no sour cream, no ton	natoes, no	beef, substitute beans, etc.). If yes, state
			which specific menu item you ordered and	state h	ow you specialized your order f		enu item.
Name	of me	enu	1.			3	
item:			☐ Hold tomatoes		Hold tomatoes		Hold tomatoes
			☐ Hold lettuce		Hold lettuce		Hold lettuce
			Hold beef		Hold beef		Hold beef
			☐ Hold chicken	0	Hold chicken		Hold chicken
			☐ Hold cheese		Hold cheese		Hold cheese
			Hold sour cream		Hold sour cream		Hold sour cream
			Hold any onions		Hold any onions		Hold any onions
			☐ Hold white onions		Hold white onions		Hold white onions
			☐ Hold green onions		Hold green onions		Hold green onions
:			☐ Hold olives		Hold olives		Hold olives
			☐ Substitute beans for meat		Substitute beans for meat		Substitute beans for meat
			☐ Hold sauce (specify type)		Hold sauce (specify type)		Hold sauce (specify type)
			Other		Other		Other
			IF YOU CANNOT REMEMBER OR DO NO	OT KNO	OW THE MENU ITEM, answer	both sets	of questions below:
Υ .	?	N	If you cannot remember what menu item yo				
A 🗇		O	A Taco?				
вП			A Burrito?				
co			A Quesadilla?				
DO			A Salad?				
E O			Nachos?				
F 🗖			Other (ex., gordita, chalupa, etc)	Describ	e		
			If you cannot remember what menu item(s) you or	rdered, did any of your menu ite	ems contair	n (check all that apply):
Y	?	N	•				
G 🗖			Tomatoes				
н 🗆			Lettuce				
10			Ground beef				
JO			Chicken		•		
κロ			Sour Cream				
LO			Cheese				
мо			Beans				
NO			Green onions				
0 🗖			White onions				
P			Any onions				
Q			Steak				
RO		a	Olives				
s 🗖			Sauce (ex., mild, hot, fire)				
7 0	0		Other (specify)	<u> </u>			

· · · · · · · · · · · · · · · · · · ·		And Ret Stu	du Pal		COMPLETE: Cannot Recall T.B. whether are at T.B. a days prior, usua 7 days prior, usua
Rest	البر	Bod (NO)	ry on	٩	whether are at 1.15.
W. C	A Joseph Son			_}	a days prior, usua
	Contraction of the Contraction o	e Lab ID if available) 1941	136		eats to a TB
£3.	•		<u> </u>		
NOVEW	1BEF	R 2 <u>006F. COLI 0157 OUT</u>	3REAK- (CAS	E QUESTIONNAIRE
Phone nu	ımber	·			
Age <u> </u>		Sex DM F State			County Middle sex City South Ambory Gity
Interviewe	r name	Sadiyu Muqueeth Date of	interview <u>1</u>	21	
		ewed? Case Spous			Parent_V 0157 case
Stool spec	imen (collection date: 12 / 06 / 200	6		Can't revent
Case Statı	us (ple	ease circle) Confirmed	Probable	€	7473
First I will	ask y	ou some questions about your illn	988.		needs 2,
What is the	e date	and time that you first began having	liamhea?		Drotte state
	Į	Date of onset of diarrhea: 12 / 6	<u>1</u> / 2006		Time: 8:00 AM PM
What is the	e date	and time that you first noticed sympto	ms other the	ın dia	arrhea (such as nausea, vomiting, abdominal cramps) fever):
		Date of onset of other symptoms 12	- 102 1	2006	Time: AM PM valuou a day
Are you a	Taco I	Bell employee? (please circle)	Yes	(1	NO)
•			will sek von	enm	ne questions about your symptoms and illness.
			·		
Υ ?	N	Did you have any of these symptoms?	Y ?	N	The state of the s
A 🗆 🗆	120	Any Nausea?			Did you visit a health care provider for your illness?
8 O O	Ø	Any Vomiting?			Did you visit an emergency room for your illness?
c Ma □		Any Abdominal cramps?	1.162 🖂		Were you hospitalized overnight? If yes, number of hospital nights 4 Sun -> thurs
D X I		Any Diarrhea?		غي ا	Did you develop HUS (hemolytic uremic syndrome)?
€ 2 4 □		Any Diarrhea? Any Bloody diarrhea?		凤	Did you receive antibiotics for your illness? was recieving
FO O	X	Any Fever?	1	o M	Did you receive antibiotics for your illness? was recieving appropriately. Did the patient die?
				<u> </u>	Stop per tous
		•			
II. RESTA	URAN	IT EXPOSURES. Now I will ask vou	some quest	ions	about places where you may have eaten. Please
answer th	iese q	uestions for the 7 days prior to the	onset of yo	ur illi	ness.
Υ ?	N				in the second of
A 🔼 🗆		Did you eat at any restaurants?		DV P	(Specify street, city, state for each location)
B 🗇 🕱		Did you eat at any Taco Bell?	ł	M. It i	res Cocation Rt. 9 Norm in Old Bridg Date / 12006 - www.
					Date / /2006
	i (\$	Did you eat at any Kentucky Fried	Chicken (KFC))? If y	· · · · · · · · · · · · · · · · · · ·
	X	Did you eat at any A & W All Amer	can Food?	lf ye	es, LocationDate//2006
EO O	×	Did you eat at any Long John Silve	r's?	_	es, Location Date / /2006
FO O	- (Did you eat at any Pizza Hut?			es, Location Date / /2006
e 🏄 🗖		Did you eat at McDonalds?			es, Location Rt. 9 South Old Bridge, NJ Date / 12006
H 0 0		Did you eat at Subway?			es, LocationDate//2006
100		Did you eat at Blimples?		If ye	s, LocationDate//2006
A 🔯 🗆		Did you eat at any other restauran			
KO O	0	Did you have a dining companion?			(b)(6)
		ir yes, name 1.			numbern restaurant? <u>all Sawl</u>
		2			
_	. \2	3			number which restaurant?
м 🗆 🖂) OR			OF VO	miting within 7 days of dining at the restaurant?
		If yes, which dining companion (sp	ecify name)		

Case Questionnaire

III. TACO BELL EXPOSURES (ASK ABOUT THE 7 DAYS BEFORE ILLNESS ONSET). Which of the following menu items did you eat at Taco Bell? Please note the menu items you ate for all Taco Bell visits that you mentioned previously and how many of each menu item you ate. Please remember that many items can be ordered with beef, chicken, or steak. Please specify which meat you ate. If you made substitutions in your order, you will be able to specify this later in the questionnaire. If you cannot remember the name of the menu item you ate (mark "I don't remember" under Misc), you will be able to describe it later in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to your meal, please indicate that also (mark under Misc).

111 411	940	31101	mane. If you added a sauce (e.g., mile, not)				, ,		
Y	?	N	Big Bell Value Menu	#	Υ	?	N	Chalupas	#
ΑО			1/2 lb cheesy bean & rice burrito grande soft taco	_	A 🗇			chalupa supreme- ground beef (standard)	
в 🗇			1/2 lb beef combo burrito		вП			chalupa supreme- chicken	
СП	0		spicy chicken soft taco		co			chalupa supreme- steak/ carne asada	
D 🗖			spicy chicken burrito	******	DO			chalupa baja- ground beef (standard)	
E 🗇			1/2 lb beef & potato burrito		E 🗇			chalupa baja- chicken	
F 🗇			double decker taco- ground beef (standard)		FΩ			chalupa baja- steak/ carne asada	
6 🗇			double decker taco- chicken		G 🗇			chalupa nacho cheese- ground beef (standard)	
ΗО			double decker taco- steak/ carne asada		нО			chalupa nacho cheese- chicken	
10			caramel apple empanada		10			chalupa nacho cheese- steak/ carne asada	
J 🗖	0		cheesy fiesta potatoes					Nachos & Sides	
			Tacos will't		ΑО			nachos	_
A DO			original taco (standard is ground beef)	1	в 🗇			nachos supreme	
вП			taco supreme (standard is ground beef)		СП			nachos beilgrande	
СП			soft taco (standard is ground beef)		D 🗖			pintos & cheese	
ם ס			ranchero chicken soft taco		E O			mexican rice	_
EΠ	۵		soft taco supreme- ground beef (standard)		F 🖸			cinnamon twists	
FO			soft taco supreme- chicken	******				Specialties	
G 🗇			soft taco supreme- steak/ carne asada		ΑП			crunchwrap supreme	*******
нО			grilled steak soft taco		8 🗇			mexican pizza	
			Burritos		СП			enchirito- ground beef (standard)	_
ΑО			bean burrito		D O			enchirito- chicken	
вП			7 layer burrito		ΕO			enchirito- steak/ carne asada	
СП			chili cheese burrito		FΟ			meximelt- ground beef (standard)	
0 🗇			burrito supreme- ground beef (standard)	_	G 🛘			meximelt- chicken	
εΟ			burrito supreme- chicken		н□			meximelt- steak/ carne asada	
F□			burrito supreme- steak/ carne asada		10			fiesta taco salad- ground beef (standard)	_
G 🗖			fiesta burrito- ground beef (standard)		J 🗇			fiesta taco salad- chicken	
нΟ			fiesta burrito- chicken		κО			fiesta taco salad- steak/ carne asada	
10			fiesta burrito- steak/ carne asada		L O			taco salad express- ground beef (standard)	
jo			grilled stuffed burrito- ground beef (standard)		мО			taco salad express- chicken	
κП			grilled stuffed burrito- chicken		ΝП			taco salad express- steak/ came asada	
10			grilled stuffed burrito- steak/ carne asada		0 🗖			mountain dew baja blast	
			Gorditas					Quesadillas	
ΑО			gordita supreme- ground beef (standard)		ΑП			chicken quesadilla	_
в 🗖			gordita supreme- chicken		8 🗇			steak quesadilla	_
СО			gordita supreme- steak/ carne asada					Bowls	
DO			gordita baja- ground beef (standard)		A 🗇			zesty chicken border bowl	
EΠ			gordita baja- chicken	_	вП			southwest steak border bowl	_
F 🗇	0		gordita baja- steak/ carne asada					Misc.	
G 🗇			gordita nacho cheese- ground beef (standard)		A 🗆			Other	*******
н 🗇			gordita nacho cheese- chicken		вО			Other	
1 🗇			gordita nacho cheese- steak/ carne asada		CD			I don't remember	
					DO			I added a sauce to my meal (e.g., mild, hot, fire)	

Υ	?	N	ORDER SUBSTITUTIONS				
ΑП			Did you specialize your order (for example				
			which specific menu item you ordered and				
Name	of me	enu	1.	2		3	
item:			☐ Hold tomatoes		Hold tomatoes		Hold tomatoes
			☐ Hold lettuce		Hold lettuce		Hold lettuce
			☐ Hold beef	0	Hold beef		Hold beef
			☐ Hold chicken	0	Hold chicken		Hold chicken
			☐ Hold cheese		Hold cheese		Hold cheese
			☐ Hold sour cream		Hold sour cream	0	Hold sour cream
			Hold any onions	O	Hold any onions	O	Hold any onions
***************************************			☐ Hold white onions		Hold white onions		Hold white onions
			☐ Hold green onions		Hold green onions		Hold green onions
			☐ Hold olives		Hold olives	a	Hold olives
			Substitute beans for meat		Substitute beans for meat		Substitute beans for meat
			☐ Hold sauce (specify type)	0	Hold sauce (specify type)		Hold sauce (specify type)
			Other		Other		Other
			IF YOU CANNOT REMEMBER OR DO N	OT KNO	OW THE MENU ITEM, answer	both sets	of questions below:
Y	?	N	If you cannot remember what menu item y	ou orde	red, do you know if you ordered	d:	
A 🗇			A Taco?				
в□			A Burrito?				
СП			A Quesadilla?				
D			A Salad?				
EO			Nachos?				
F 🗇				Describe			
			If you cannot remember what menu item(s) you or	dered, did any of your menu ite	ems contair	n (check all that apply):
Υ	?	N			<i>•</i>		
G 🗖			Tomatoes •				
н 🗆			Lettuce				
/ 0			Ground beef				
JO			Chicken				
κП			Sour Cream				
L 0			Cheese				
м□			Beans				
ND			Green onions				
0 🗆			White onions				
PO			Any onions				
Q 🗇			Steak				
R 🗇			Olives				
s 🗆			Sauce (ex., mild, hot, fire)				
T 🗆			Other (specify)				

Rest Study



COMPLETE

`	D if available) 1 1 2					
NOVEMBER 200	6 <i>E. COLI</i> 0157 OUTI	BREA	/K-	CAS	SE QUESTIONNAII	RE
Phone number	D)(6)				0 1/1	11111 -
	☐ M to F State				County Cape Nay	city Middle Township
nterviewer name \underline{Sa}	diya Muqueethoate of i	intervie	w	1 <u>a</u> 1	<u>08</u> /2006	
Who was interviewed?	caseSpous on date: ^_11/_20/200	e		۱.	A Parent	
Stool enerimen collect	on date: ~ 11 / 20 / 200	6 /	₩ê.	ou \	days, 1 = 6.08	i,
	/ C \ i Al	9V	obab	la -	0 , •	al Deco
Case Status (please ci			ODAD	IE	DOMAN	. approof. WK of 18
_	me questions about your illno			~	9-teefling	an Organia
What is the date and ti	me that you first began having o	diarrhe	a?	0	diarrhea	Nov 16 More 1 t
Date o	onset of diarrhea:/	/ 2	2006		Time: A	Nov 16 Move frg. M PM romiting, abdominal cramps, fever): 2
What is the date and ti	me that you first noticed sympto	oms oth	ner th	an di	arrhea (such as nausea, v	romiting, abdominal cramps, fever):
Date o	f onset of other symptoms	/_		/ 200	6 Time::_	_ AM PM Did not e
Are you a Taco Bell en	nployee? (please circle)	Yes	3	1	No)	1
•	, - ,					owntone and illness
. SYMPTOMS AND S	EVERITY OF ILLNESS. Now I	will as	к уо	u soi	ne questions about you	symptoms and miless.
Y ? N Did y	ou have any of these symptoms?	Y	?	N		
A 🗆 🗆 💆 Any N	ausea?	G 🕅			Did you visit a health care p	
B 🗆 🗆 🔼 Any V	omiting?	н 🗆		<u>A</u>	Did you visit an emergency	·
c □ 💢 🙋 Any A	bdominal cramps?	/ D		X	Were you hospitalized over	
D XI O O Any C	liarrhea?				If yes, number of hospit	1
E □ □ 🕱 Any E	lloody diarrhea?	JO		×	Did you develop HUS (hem	·
F 🗇 🗇 💢 Any F	ever?	κ□		Ď	Did you receive antibiotics t	or your miless?
		LO		Ø .	Did the patient die?	
	POSURES. Now I will ask you			tion	s about places where VA	u may haye eaten Please
II. <i>RESTAUHANT EXF</i> answer these questic	ns for the 7 days prior to the	onset	of ye	our II	iness.	u may mave cateria i ioaco
Y ? N		ats w				
	Did you eat at any restaurants? $^{\mathcal{C}}$	m@ W	,-		(Specify street, c	ity, state for each location)
800 🕱	Did you eat at any Taco Bell?			lf	yes, Location	Date//2006
						Date//2006
	Did you eat at any Kentucky Fried	Chicker	ı (KF(C)? If	yes, Location	Date//2006
	Did you eat at any A & W All Amer	ican Fo	od?	if	yes, Location	Date//2006
EOO XX	Did you eat at any Long John Silve	er's?		lf :	es, Location	Date//2006
F 🛛 🗇 🕱	Did you eat at any Pizza Hut?			if :	es, Location	Date//2006
GO O 🕱	Did you eat at McDonalds?			lf y	es, Location	Date//2006
на в	Did you eat at Subway?			lf y	es, Location	Date//2006
/ O O X	Did you eat at Blimpies?			lf y	es, Location	Date//2006
	Did you eat at any other restaurant	t?				
кааа	Did you have a dining companion?					,
	If yes, name 1 (b)(6)		cc	ontact	number_(b)(6)	which restaurant?
	2.				number_	which restaurant?
	3.		_ co	ontact	number_	which restaurant?
MO O A	Did your dining companion develop	p diarrh	ea an	d/or v	omiting within 7 days of dinin	g at the restaurant?
	If yes, which dining companion (sp					

Y	?	N	ORDER SUBSTITUTIONS	***************************************			
A			Did you specialize your order (for example	, did vol	ask for no sour cream, no to	matoes, no	beef, substitute beans, etc.). If yes, s
	19	و	which specific menu item you ordered and	state h	ow you specialized your order	for each me	enu item.
Name	of ma	anı		2		3	
item:	Of Its	2114	☐ Hold tomatoes		Hold tomatoes	O	Hold tomatoes
			☐ Hold lettuce	0	Hold lettuce	0	Hold lettuce
			☐ Hold beef	0	Hold beef	O	Hold beef
			☐ Hold chicken		Hold chicken		Hold chicken
			☐ Hold cheese		Hold cheese		Hold cheese
			☐ Hold sour cream		Hold sour cream		Hold sour cream
			☐ Hold any onions		Hold any onions	o	Hold any onions
			☐ Hold white onions		Hold white onions		Hold white onions
			Hold green onions		Hold green onions		Hold green onions
			☐ Hold olives		Hold olives		Hold olives
-			☐ Substitute beans for meat		Substitute beans for meat		Substitute beans for meat
			☐ Hold sauce (specify type)	0	Hold sauce (specify type)		Hold sauce (specify type)
			Other	0	Other	0	Other
			IF YOU CANNOT REMEMBER OR DO N	OW THE MENU ITEM, answe	r both sets	of questions below:	
Υ	?	N	If you cannot remember what menu item	you orde	red, do you know if you ordere	ed:	
A \square			A Taco?				
вП			A Burrito?				
c 🗆			A Quesadilla?				
0 🗆			A Salad?				
E O			Nachos?				
FO			,,	Describ			
			If you cannot remember what menu item(s) you o	rdered, did any of your menu i	items contai	n (check all that apply):
Y	?	N					
G 🗖			Tomatoes				
н 🗆			Lettuce				
10			Ground beef				
JO			Chicken				
κ□			Sour Cream				
L O			Cheese				
мО	O		Beans				
N D			Green onions				
0 0			White onions				
PO			Any onions				
0 🗆			Steak				
R 🗆			Olives				
s 🗆			Sauce (ex., mild, hot, fire)				
7 0			Other (specify)				

ADDITIONAL CONTROL TRACKING SHEET

CASE STATE ID NUMBER // / 017

Write in control numbers you have attempted and indicate which ones you interviewed please

No.	Phone	Time Date	Response/Result (refused, not home,	Interview
	(b)(6)		(b)(6)	¬ ··
21.	g~	NH		
22.		Hive.		, ·
23.			rec.	No To Ratus
24.	-	1		philed - extra - remove
25.		<u> </u>		-NoTB eaters
26.		(c		1 19 may 14 5 Oct
27.		Н		· .
28.	-	M.		1
29.	-	(Pind)		
30.		4		y
31.			-	fused
32.			-	fixed
33.	*102		_	<u>/</u>
34.	_	e.\$)		r1
35.	-		-	М
36.	_			<u> </u>
37.				NM No one under 60
38.				NTB
				AM A The Total MA
39.		Auban and had		TO A NOW YORK revident
40.		Nobody oper cuder (e.e.	NHA
				VM No TB eaters
				Mung up NMA - Hung up NM NOTE NA
	•	•		NH-Dido's eal of TO during the

CDC GROUP 2: TACO BELL FOOD ITEM STUDY -REVERSE PHONE DIRECTORY CONTROL QUESTIONNAIRE INSTRUCTIONS-

Please read this document completely before beginning your interviews.

Please document the State Lab ID (or other ID number if Lab ID not available) for the associated CASE on EACH page of the questionnaire. Please also label each control as A or B by circling A or B on EACH page of the questionnaire. "A" is the first control you obtain; "B" is the second control you obtain.

We are looking for controls who ate at a Taco Bell. You will be using the reverse phone directory (see brief directions below- ask if you have questions). Use the 3-paged control questionnaire until you have obtained 2 controls who ate at Taco Bell.

You will be asking the controls about their activities during the week of November 24, 2006 (the Friday after Thanksgiving), to November 30, 2006. Please read the script in italics.

Telephone Introduction:		خيد أ	•
"Hello, my name is	, and I am working with the	NI	State Department
of Health. We are investigating an	outbreak of E. coli O157:H7 infection	s. In orde	r to better
understand what caused these ill	nesses, we need to speak to people w	ho are no	ot ill in order to
compare them to people who hav	e been ill.		

We are looking for households that have a person between the ages of 1 and 60 that ate at Taco Bell during the week of November 24-November 30, or full week following Thanksgiving. Did anyone in your household eat at Taco Bell during that week?" → If no, thank them and end the interview.

If yes, ask how many of in the household who at ate Taco Bell are between the ages of 1 and 60. If only one person in the household between the ages of 1 and 60 ate at Taco Bell, ask to speak to that person and proceed with the questionnaire (or if the person who answered the phone is the only person in the household that ate at Taco Bell, proceed with the questionnaire). If more than one person in the household ate at Taco Bell, proceed as below:

"In order to pick randomly from those in your household that ate at Taco Bell, we are looking to speak to the person who ate at Taco Bell with the most recent birthday. Can you identify that person and may I speak with him or her?"

If the person with the most recent birthday is the person on the phone, then proceed with the questionnaire. If it is someone else in the household, ask them if that person is available. If that person is not available, ask them if there is a better time to call and if so note the time to call back and the phone number on a post-it note, and stick it on the questionnaire. If they still will not be available, thank them and move on to the next control. Do not use the person who answered the phone if they do not fulfill the birth date criteria.

"Would you be willing to answer some questions about this for us? It should only take about 5 minutes and your answers will remain confidential." (If they say they have no time now, ask if there is a better time to call and note the time to call back and the phone number on a post-it note, and stick it on the questionnaire).

"Did you (or child if the control is the child) have diarrhea or abdominal cramping on or after November 1st?" If yes, "Thank you for your time, but we are looking for people who were not ill during this time."

(If the patient is under 14 years old, interview parent. If the patient is 14 or older, ask for parental permission to interview, then interview the case directly).



OD STEMS

Control /B /(circle) ID number (State Lab ID if available) NOVEMBER 2006--E. COLI 0157 OUTBREAK- CONTROL QUESTIONNAIRE Control Phone number Other Taco Bell diner Reverse directory **Dining Companion** Method of control selection (please circle) State County City Sex □ M ☑ F /2006 Date of interview Interviewer name Parent_ Who was interviewed? Control Have you been ill with vomiting or diarrhea since November 1st? Yes No (If Yes, thank participant and end interview). Are you a Taco Bell employee? (please circle) No I. RESTAURANT EXPOSURES. Now I will ask you some questions about places where you may have eaten. Please answer these questions for the 7 days prior to ____/2006 (fill in case illness onset date) ? Υ (Specify street, city, state for each location) Did you eat at any restaurants?- If no, end interview Date / /2006 в 🛛 Did you eat at any Taco Bell? If yes, Location Date___/__/2006 Did you eat at any Kentucky Fried Chicken (KFC)? If yes, Location_____ Date / /2006 СП Date / /2006 Did you eat at any A & W All American Food? If yes, Location_____ $D \square$ _Date___/__/2006 Did you eat at any Long John Silver's? If yes, Location___ $E \square$ If yes, Location______Date___/__/2006 Did you eat at any Pizza Hut? Date / /2006 If yes, Location____ Did you eat at McDonalds? ______Date____/__/2006 Did you eat at Subway? If yes, Location $H \square$ If yes, Location_____ Date___/__/2006 ~ Did you eat at Blimpies? П Did you eat at any other restaurant? J 🔲 If the control did not eat at Taco Bell, please end interview. II. TACO BELL EXPOSURES. Which of the following menu items did you eat at Taco Bell? Please note the menu items you ate for all Taco Bell visits and how many of each menu item you ate. Please remember that many items can be ordered with beef, chicken, or steak. Please specify which meat you ate. If you made substitutions in your order, you will be able to specify this later in the questionnaire. If you cannot remember the name of the menu item you ate (please mark "I don't remember" under Misc), you will be able to describe it later in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to your meal, please indicate that as well (mark under Misc). ? Υ ? N Chalupas Υ Big Bell Value Menu chalupa supreme- ground beef (standard) 1/2 lb cheesy bean & rice burrito grande soft taco $A \square$ $A \square$ в 🗇 chalupa supreme- chicken в 🗇 П 1/2 lb beef combo burrito chalupa supreme- steak/ carne asada C 0 0 CO spicy chicken soft taco chalupa baja- ground beef (standard) DO a O 0 spicy chicken burrito $E \square$ chalupa baja- chicken П 1/2 lb beef & potato burrito $E \square$ double decker taco- ground beef (standard) FO chalupa baja- steak/ carne asada G 🛛 chalupa nacho cheese- ground beef (standard) ദി double decker taco- chicken 0 double decker taco- steak/ carne asada $H \square$ chalupa nacho cheese- chicken H/ 🗇 chalupa nacho cheese- steak/ carne asada caramel apple empanada cheesy fiesta potatoes

ID nu	mber	(Sta	ate Lab ID if available)					Control A B (c	ircle)
Υ	?	N	Tacos	#	Υ	?	N	Nachos & Sides	#
A 🗇			original taco (standard is ground beef)		A 🗇			nachos	
вП			taco supreme (standard is ground beef)		вО			nachos supreme	
СП			soft taco (standard is ground beef)		СП			nachos bellgrande	
DO			ranchero chicken soft taco		DO			pintos & cheese	
ΕO			soft taco supreme- ground beef (standard)		εO			mexican rice	********
FO			soft taco supreme- chicken		FO			cinnamon twists	
G 🗖			soft taco supreme- steak/ carne asada					Specialties	
H D		٥	grilled steak soft taco		A 🗂			crunchwrap supreme	
			Burritos		вО			mexican pizza	
A 🗇			bean burrito		CO			enchirito- ground beef (standard)	
в 🗇			7 layer burrito		D 🗇			enchirito- chicken	
co			chili cheese burrito		ΕŪ			enchirito- steak/ carne asada	
D			burrito supreme- ground beef (standard)		F 🖸			meximelt- ground beef (standard)	<u></u>
E□			burrito supreme- chicken		G 🗖			meximelt- chicken	
FO			burrito supreme- steak/ carne asada		нП			meximelt- steak/ carne asada	
G			fiesta burrito- ground beef (standard)		10			fiesta taco salad- ground beef (standard)	
нО			fiesta burrito- chicken		JO			fiesta taco salad- chicken	
/ 0			fiesta burrito- steak/ carne asada		κО			fiesta taco salad- steak/ carne asada	
J 0			grilled stuffed burrito- ground beef (standard)		10			taco salad express- ground beef (standard)	
κ□			grilled stuffed burrito- chicken		мО			taco salad express- chicken	
LO			grilled stuffed burrito- steak/ carne asada		NO			taco salad express- steak/ carne asada	
			Gorditas		0 🗆			mountain dew baja blast	
A 🗇			gordita supreme- ground beef (standard)					Quesadillas	
вО			gordita supreme- chicken		A 🗆			chicken quesadilla	
C			gordita supreme- steak/ carne asada		вП			steak quesadilla	******
DO			gordita baja- ground beef (standard)					Bowls	
EO			gordita baja- chicken		A 🗆			zesty chicken border bowl	
1	,1	~~	nordita baja etaak/ carna asada					southwest steak border bowl	

Misc.

Other_ Other_

I don't remember

I added a sauce to my meal (e.g., mild, hot, fire)

 $A \square \square \square$

 $D \square$

Control Questionnaire

/ 0 0 0

gordita nacho cheese- ground beef (standard)

gordita nacho cheese- steak/ carne asada

gordita nacho cheese- chicken

ID nu	mber	(Sta	ate Lab ID if available)			·····	Control	<u> </u>	В	(circle)
Υ	?	N	ORDER SUBSTITUTIONS							
A 🗇			Did you specialize your order (for example					te beans,	etc.).	If yes, state
			which specific menu item you ordered and	state h	ow you specialized your order	for each me	nu item.			
Name	of me	enu	1.				:			
item:			☐ Hold tomatoes		Hold tomatoes	Hold tomator	es			
			☐ Hold lettuce		Hold lettuce		Hold lettuce			(
			☐ Hold beef		Hold beef	O	Hold beef			
			☐ Hold chicken		Hold chicken		Hold chicke	n		
			☐ Hold cheese		Hold cheese		Hold chees	e		
			☐ Hold sour cream		Hold sour cream		Hold sour cr	eam		
			☐ Hold any onions		Hold any onions		Hold any on	ions		
			☐ Hold white onions		Hold white onions		Hold white of	onions		
			Hold green onions		Hold green onions	0	Hold green	onions		
			☐ Hold olives		Hold olives		Hold olives			
			Substitute beans for meat		Substitute beans for meat		Substitute b	eans for	meat	
			☐ Hold sauce (specify type)	0	Hold sauce (specify type)_		Hold sauce (specify ty	pe)	
			☐ Other		Other		Other			
			IF YOU CANNOT REMEMBER OR DO N	OT KNO	OW THE MENU ITEM, answe	r both sets	of questions	below:		
Υ	?	N	If you cannot remember what menu item you ordered, do you know if you ordered:							
A 🗇			A Taco?							
вО			A Burrito?							
c 🗖			A Quesadilla?							
DO			A Salad?		•					
EO			Nachos?							
FO				Describe						
			If you cannot remember what menu item(s) you or	dered, did any of your menu i	tems contair	(check all th	at apply):		
Υ	?	N								
G 🗖			Tomatoes					•		
н О			Lettuce							
10			Ground beef							
JO			Chicken							
κП			Sour Cream							
L 0			Cheese							
MO			Beans							
N D			Green onions							
0 🗆			White onions							
P 🗇			Any onions							
Q 🗇			Steak							
R 🗇			Olives							
s 🗖			Sauce (ex., mild, hot, fire)							

FOOD Litems

ID number (State Lab ID if available)		Control	A B (circle)
NOVEMBER 2006E. COLI O157 OUTBREAM	ONTROL QU		
INCAPIMENT FOR A PROPERTY OF THE PROPERTY OF T		Company of Barbara and Barbara and American	
Control Phone number			
Method of control selection (please circle) Dining Com	ion Other Ta	aco Bell diner Rev	erse directory
Age 36 Sex MM DF State NY	County <u>Dste</u>	, 	perstown
more to	_		
Interviewer name <u>Vatricia</u> Juliao Date of interview	<u> </u>		
Who was interviewed? Control V Parent Parent			
	,		
Have you been ill with vomiting or diarrhea since November 1 ^{st.}	Yes No	(If Yes, thank particip	ant and end interview).
Are you a Taco Bell employee? (please circle) Yes	(No)		
I. RESTAURANT EXPOSURES. Now I will ask you some que	ns about places	where you may have eat	en. Please
answer these questions for the 7 days prior to	6 (fill in case illne		
Y ? N	next.	Side Mall & horriest	**************************************
A 💆 🗖 Did you eat at any restaurants?- If no, end int		(Specify street, city, state	te for each location) 328 02-2
B 🖾 🔲 🗍 Did you eat at any Taco Bell?	If yes, Location <u>_a</u>	outh Side Oneanta	Date_ <u>12_//2</u> 006
			Date//2006 Date / /2006
C D Did you eat at any Kentucky Fried Chicken (K			Date//2006 Date / /2006
D □ □ □ □ Did you eat at any A & W All American Food? E □ □ □ □ □ Did you eat at any Long John Silver's?	-		Date//2006
E □ □ ☑	•		Date / /2006
G D Did you eat at McDonalds?	•		Date / /2006
H 🗆 🗅 🔯 Did you eat at Subway?			Date / /2006
1 Did you eat at Blimpies?	•		Date//2006
J 🔲 🗖 Did you eat at any other restaurant?			
If the control did not eat at Taco Bell, please end interview.			
•			
	•		
II. TACO BELL EXPOSURES. Which of the following menu ate for all Taco Bell visits and how many of each menu iter			
beef, chicken, or steak. Please specify which meat you att			
specify this later in the questionnaire. If you cannot remer	the name of the	menu item you ate (plea	se mark "I don't
remember" under Misc), you will be able to describe it late your meal, please indicate that as well (mark under Misc).	he questionnaire	. If you added a sauce (e.g., mild, hot, fire) to
your mear, please mulcate that as well (mark ander imso).			
Y ? N Big Bell Value Menu	Y ? N	Chalupas	#
A 🗍 🗖 💆 1/2 ib cheesy bean & rice burrito grande soft taco		chalupa supreme- ground be	ef (standard)
B 🗵 🔲 🔲 1/2 lb beef combo burrito	B O O 图	chalupa supreme- chicken	
C □ □ ⊠ spicy chicken soft taco		chalupa supreme- steak/ car	ne asada
D 🗖 🗖 🗵 spicy chicken burrito		chalupa baja- ground beef (s	tandard)
E 🔲 🔲 🖾 1/2 lb beef & potato burrito	E 0 0 - 131	chalupa baja- chicken	
F 🗖 🗖 🗷 double decker taco- ground beef (standard)	FO OB	chalupa baja- steak/ carne a	sada
G □ □ ဩ double decker taco- chicken		chalupa nacho cheese- grou	nd beef (standard)
H □ □ ☑ Ø, double decker taco- steak/ carne asada	I .	chalupa nacho cheese- chick	ken
/ 口 口 酒 caramel apple empanada	7 O O D DX	chalupa nacho cheese- steal	k/ carne asada
J 🔲 🖫 🗷 cheesy fiesta potatoes			

C1		n	(almala)
Control	A	D	(circle)

	ID nu	mbei	· (Sta	ite Lab ID if available)						Condor A B (C	HCIC)
	Υ	?	N	Tacos	#	Γ	Υ	?	N	Nachos & Sides	#
-	Α□		Ø	original taco (standard is ground beef)		A			≧	nachos	
***************************************	вО		X	taco supreme (standard is ground beef)		В			Ø	nachos supreme	
	co		囟	soft taco (standard is ground beef)		C			a	nachos beligrande	
***************************************	D O		Q	ranchero chicken soft taco		D			Ø	pintos & cheese	
	E O		-8	soft taco supreme- ground beef (standard)		E			A	mexican rice	
1	F 🗖		团	soft taco supreme- chicken		F				cinnamon twists	
	G 🗇		1	soft taco supreme- steak/ carne asada						Specialties	
	н 🗖		図	grilled steak soft taco		A			3	crunchwrap supreme	
				Burritos		В			7	mexican pizza	
	ΑП		Ø	bean burrito		c			Ŋ	enchirito- ground beef (standard)	
	в 🗖		团	7 layer burrito		D				enchirito- chicken	
	СП		E	chili cheese burrito		E				enchirito- steak/ carne asada	
***************************************	D 🗖		図	burrito supreme- ground beef (standard)		F			Ø	meximelt- ground beef (standard)	
	E 🗆		Ø	burrito supreme- chicken		G			Z	meximelt- chicken	
***************************************	F O		Ø	burrito supreme- steak/ carne asada		Н			Ø	meximelt- steak/ carne asada	
***************************************	G 🗖	. 🗖	赵	fiesta burrito- ground beef (standard)		1			Z	fiesta taco salad- ground beef (standard)	
1	н 🗖		刨	fiesta burrito- chicken		J			[2]	fiesta taco salad- chicken	
	1 0		\boxtimes	fiesta burrito- steak/ carne asada		K			卤	fiesta taco salad- steak/ carne asada	_
	J 🗇		Ò	grilled stuffed burrito- ground beef (standard)		L			囟	taco salad express- ground beef (standard)	
	κ□		S	grilled stuffed burrito- chicken		М			Σ	taco salad express- chicken	
	L 🗖		à	grilled stuffed burrito- steak/ carne asada		N				taco salad express- steak/ carne asada	ana-nu-
***************************************				Gorditas		0			Ø	mountain dew baja blast	******
	а 🗖		Ø	gordita supreme- ground beef (standard)	******					Quesadillas	
	в 🗖		Ħ	gordita supreme- chicken		A			۵V	chicken quesadilla	_
	С		2	gordita supreme- steak/ carne asada		В			13	steak quesadilla	
***************************************	D 🗖		图	gordita baja- ground beef (standard)		1				Bowls	
***************************************	E 🗇		B	gordita baja- chicken		A			B	zesty chicken border bowl	
***************************************	F 🗖		\square	gordita baja- steak/ carne asada		В			Ø	southwest steak border bowl	
	G 🗖		È	gordita nacho cheese- ground beef (standard)						Misc.	
	н 🗆		Ď.	gordita nacho cheese- chicken	·····	A			Ø	Other	
1	1 0		à	gordita nacho cheese- steak/ carne asada		B			Z	Other	-

C 🔲 🔲 🖾 I don't remember

Control Questionnaire

ID number (State Lab ID if available) Control A B (circle)												
Υ	Y ? N ORDER SUBSTITUTIONS											
ABL			Did you specialize your order (for example, did you ask for no sour cream, no tomatoes, no beef, substitute beans, etc.). If yes, state									
				and state how you specialized your order	for each menu item.							
Name	of me	enu	1. 1/2 16 beef-contboburrito	2.1/216 beef combo burrito	3							
item:			☐ Hold tomatoes	Hold tomatoes	☐ Hold tomatoes							
			☐ Hold lettuce	☐ Hold lettuce	☐ Hold lettuce							
			Hold beef	☐ Hold beef	☐ Hold beef							
			Hold chicken	Hold chicken	Hold chicken							
			☐ Hold cheese	☐ Hold cheese	☐ Hold cheese							
}			☐ Hold sour cream	Hold sour cream	☐ Hold sour cream							
			☑ Hold any onions	☑ Hold any onions	☐ Hold any onions							
			☐ Hold white onions	Hold white onions	☐ Hold white onions							
			☐ Hold green onions	Hold green onions	☐ Hold green onions							
			☐ Hold olives	☐ Hold olives	☐ Hold olives							
			Substitute beans for meat	Substitute beans for meat	Substitute beans for meat							
			Hold sauce (specify type)	☐ Hold sauce (specify type)	☐ Hold sauce (specify type)							
<u></u>			19 Other Extranuat, no beau									
			IF YOU CANNOT REMEMBER OR DO	NOT KNOW THE MENU ITEM, answer	r both sets of questions below:							
Y	?	N	If you cannot remember what menu iten	n you ordered, do you know if you ordere	ed:							
A \square			A Taco?									
вП			A Burrito?									
C			A Quesadilla?									
D			A Salad?									
ΕΟ			Nachos?									
FD			Other (ex., gordita, chalupa, etc)									
			If you cannot remember what menu iten	n(s) you ordered, did any of your menu it	tems contain (check all that apply):							
Y	?	N										
G 🗖			Tomatoes									
н 🗆			Lettuce									
/ 🗆			Ground beef									
J			Chicken									
K 🗆	0	_	Sour Cream	•								
			Cheese									
МП	_		Beans									
ם א			Green onions									
0 🗆	0	0	White onions									
PO			Any onions									
Q []	0		Steak									
R 🗇	0		Olives									
s 🗇			Sauce (ex., mild, hot, fire)									

Kestavant

Method of control selection (please circle) Dining Companion Other Taco Bell diner Reverse directory Age Sex OM OF State NV County Ask CD City County Age	ID number (State Lab ID if available) NYO17	Control (A) B (circle)								
Method of control selection (please circle) Dining Companion Other Taco Bell diner Reverse directory Age Sex SyM F State NY County District City County District City County District City County District City City County District City	NOVEMBER 2006E. COLI 0157 OUTBREAK- CONTROL QUESTIONNAIRE									
Sex	Control Phone number (b)(6)									
Interviewer name Parturiss Juliab Date of interview 12 \$ 2006	Method of control selection (please circle)	vanion Other Taco Bell diner Reverse directory								
Have you been ill with vorniting or diarrhea since November 1	Age 43 Sex D/M DF State NY	county Dstead city Coopystown								
Have you been ill with vomiting or diarrhea since November 1 th ? Yes No (If Yes, thank participant and end interview). Are you a Taco Bell employee? (please circle) Yes No I. RESTAURANT EXPOSURES. Now I will ask you some questions about places where you may have eaten. Please answer these questions for the 7 days prior to 11/20, 2006 (fill in case illness onset date) Y? N M Did Did you eat at any restaurants?- If no, end interview (Specify street, city, state for each location) Did you eat at any Taco Bell? If yes, Location Date //2006 Date //2006 Did you eat at any Kentucky Fried Chicken (KFC)? If yes, Location Date //2006 Did you eat at any Nong John Silver's? If yes, Location Date //2006 Did you eat at any New Yeza Hur? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did Did you eat at Subway? If yes, Location Date //2006 Did Did you eat at Subway? If yes, Location Date //2006 Did Did you eat at Subway? If yes, Location Date //2006 Did Did you eat at Subway? If yes, Location Date //2006 Did Did you eat at my Long John Silver's? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did Did you eat at Subway? If yes, Location Date //2006 Did Did you eat at Subway? If yes, Location Date //2006 Did Did you eat at Subway? If yes, Location Date //2006 Did you eat at any Long John Silver's If yes, Location Date //2006 Did you eat at subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date //2006 Did you eat at Subway? If yes, Location Date	Interviewer name Patucias Juliao Date of interview	12 / 8 /2006								
Are you a Taco Bell employee? (please circle) Yes No	Who was interviewed? Control Parent									
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In the control did not eat at Taco Bell, please end interview If yes, Location Date Jacob Ja	Are you a Taco Bell employee? (please circle) Yes	No								
Did you eat at any restaurants? - If no, end interview	answer these questions for the 7 days prior to 11 130 12									
Did you eat at any Taco Bell? If yes, Location Date /2006										
Date /2006 Date										
Did you eat at any Kentucky Fried Chicken (KFC)? If yes, Location Date	B	•								
Did you eat at any A & W All American Food? If yes, Location										
Did you eat at any Long John Silver's? If yes, Location Date J2006										
Did you eat at any Pizza Hut? If yes, Location Coopers toward Date 1/30/2006 M										
Did you eat at McDonalds? If yes, Location Date 1 24 2006 H										
H										
II. TACO BELL EXPOSURES. Which of the following menu items did you eat at Taco Bell? Please note the menu items you ate for all Taco Bell visits and how many of each menu item you ate. Please remember that many items can be ordered with beef, chicken, or steak. Please specify which meat you ate. If you made substitutions in your order, you will be able to specify this later in the questionnaire. If you cannot remember the name of the menu item you ate (please mark "I don't remember" under Misc), you will be able to describe it later in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to your meal, please indicate that as well (mark under Misc). Y ? N Big Bell Value Menu # Y ? N Chalupas # A		ii yes, cocationDate_1(1/4-1/2006								
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A		in the questionnaire. If you added a sauce (e.g., find, not, fire) to								
A	V 2 N Rig Rell Value Menu	# Y 2 N Chalupas #								
B		· · · · · · · · · · · · · · · · · · ·								
C spicy chicken soft taco C chalupa supreme- steak/ carne asada D spicy chicken burrito D chalupa baja- ground beef (standard) E 1/2 lb beef & potato burrito E chalupa baja- chicken F double decker taco- ground beef (standard) F chalupa baja- steak/ carne asada G double decker taco- chicken G chalupa nacho cheese- ground beef (standard) H double decker taco- steak/ carne asada H chalupa nacho cheese- chicken I double decker taco- steak/ carne asada I chalupa nacho cheese- steak/ carne asada I double decker taco- steak/ carne asada I chalupa nacho cheese- steak/ carne asada I double decker taco- steak/ carne asada I double decker taco- chicken I double decker taco- steak/ carne asada I double decker taco- chicken I double decker taco- steak/ carne asada I double decker taco- chicken	•									
D		f 1								
E	1	• •								
F	1									
G	·									
H		1 - 1								
/ Caramel apple empanada / C Chalupa nacho cheese- steak/ carne asada / C Chalupa nacho cheese- steak/ carne asada / C Cheesy fiesta potatoes										
J □ □ cheesy fiesta potatoes		·								
		S S Sharaya naono oneese- sidan came asada								
	Control Questionnaire									

ID number (State Lab ID if available)		Control	A	В (circle)
	 ·········				

Υ	?	N	Tacos #		Υ	1	?	N	Nachos & Sides	#
A 🗇			original taco (standard is ground beef)		A [J	0		nachos	
вО			taco supreme (standard is ground beef)	_	в С	J			nachos supreme	
СП			soft taco (standard is ground beef)	_	CE	J			nachos bellgrande	
DO			ranchero chicken soft taco	_	D	3			pintos & cheese	
EΟ			soft taco supreme- ground beef (standard)		E [3	O		mexican rice	
FO			soft taco supreme- chicken		FC	J			cinnamon twists	
G 🗇			soft taco supreme- steak/ carne asada						Specialties	
нО		0	grilled steak soft taco	_	ΑС	J			crunchwrap supreme	
			Burritos		вС	J			mexican pizza	
A 🗖			bean burrito	_	Сĺ	3	٥		enchirito- ground beef (standard)	
вП			7 layer burrito		D	7			enchirito- chicken	
co			chili cheese burrito	_	E	J			enchirito- steak/ carne asada	
DO			burrito supreme- ground beef (standard)		F [3			meximelt- ground beef (standard)	
E O			burrito supreme- chicken		G [J			meximelt- chicken	
F			burrito supreme- steak/ carne asada	_	H [3			meximelt- steak/ carne asada	
G 🗖			fiesta burrito- ground beef (standard)	_	1 0	J			fiesta taco salad- ground beef (standard)	
нО		O	fiesta burríto- chicken		J	J			fiesta taco salad- chicken	
10			fiesta burrito- steak/ carne asada		κĺ				fiesta taco salad- steak/ carne asada	
J D			grilled stuffed burrito- ground beef (standard)		Lî)			taco salad express- ground beef (standard)	
κ□			grilled stuffed burrito- chicken		м				taco salad express- chicken	
L 0			grilled stuffed burrito- steak/ carne asada		N				taco salad express- steak/ carne asada	
			Gorditas		0 (mountain dew baja blast	
A 🗆			gordita supreme- ground beef (standard)		i				Quesadillas	
вО			gordita supreme- chicken		A				chicken quesadilla	
co			gordita supreme- steak/ carne asada		в				steak quesadilla	
$D \square$			gordita baja- ground beef (standard)						Bowls	
E O			gordita baja- chicken		A I				zesty chicken border bowl	
F			gordita baja- steak/ carne asada		B (southwest steak border bowl	
G 🗖			gordita nacho cheese- ground beef (standard)						Misc.	
н 🗖			gordita nacho cheese- chicken		A				Other	
10			gordita nacho cheese- steak/ carne asada		BI		0		Other	
					C				I don't remember	
					D				I added a sauce to my meal (e.g., mild, hot, fire)	

ID nu	mber	(Sta	ate Lab ID if available)		Control A B (ci	rcle)
Υ	?	N	ORDER SUBSTITUTIONS			
A 🗇			Did you specialize your order (for example which specific menu item you ordered and	, did you ask for no sour cream, no tomatoes state how you specialized your order for eac	, no beef, substitute beans, etc.). If ye h menu item.	es, state
Name				2		
item:	OI IIIE	nu	☐ Hold tomatoes	☐ Hold tomatoes	☐ Hold tomatoes	
			☐ Hold lettuce	☐ Hold lettuce	☐ Hold lettuce	
			☐ Hold beef	☐ Hold beef	☐ Hold beef	
			☐ Hold chicken	☐ Hold chicken	☐ Hold chicken	
			☐ Hold cheese	☐ Hold cheese	☐ Hold cheese	
			☐ Hold sour cream	☐ Hold sour cream	☐ Hold sour cream	
			☐ Hold any onions	☐ Hold any onions	☐ Hold any onions	
			☐ Hold white onions	☐ Hold white onions	☐ Hold white onions	
			☐ Hold green onions	☐ Hold green onions	☐ Hold green onions	
			Hold olives	☐ Hold olives	☐ Hold olives	
			☐ Substitute beans for meat	☐ Substitute beans for meat	☐ Substitute beans for meat	
			☐ Hold sauce (specify type)		_☐ Hold sauce (specify type)	-
			Other	Other	Other	
			IF YOU CANNOT REMEMBER OR DO N	OT KNOW THE MENU ITEM, answer both	sets of questions below:	
Υ	?	N	If you cannot remember what menu item y	ou ordered, do you know if you ordered:		
ΑП			A Taco?			
в 🗖			A Burrito?	•		
c 🗖			A Quesadilla?			
DO			A Salad?			
EO			Nachos?			
FO			Other (ex., gordita, chalupa, etc)			
			If you cannot remember what menu item(s) you ordered, did any of your menu items co	ntain (check all that apply):	
Υ	?	N				
G 🗖			Tomatoes			
н О			Lettuce			
/ 🗇			Ground beef			
J			Chicken			
КП			Sour Cream			
L 🗖			Cheese			
MO			Beans			
ND			Green onions			
	0	0	White onions			
P	0	0	Any onions			
Q 🗆			Steak			
RO			Olives			
s 🗇		0	Sauce (ex., mild, hot, fire)			
T			Other (specify)			

Kastourant

ID number (State Lab ID if available) NYDT7 Control A B (circle) NOVEMBER 2006E. COLI O157 OUTBREAK- CONTROL QUESTIONNAIRE									
	erse directory pustowns								
Who was interviewed? Control Parent									
Have you been ill with vomiting or diarrhea since November 1 st ? Yes (If Yes, thank participal Are you a Taco Bell employee? (please circle) Yes (No)	ant and end interview).								
I. RESTAURANT EXPOSURES. Now I will ask you some questions about places where you may have eater answer these questions for the 7 days prior to <u>II / 30</u> /2006 (fill in case illness onset date)	en. Please								
Y ? N									
A 🔏 🔲 🔲 Did you eat at any restaurants?- If no, end interview (Specify street, city, state	e for each location)								
B 🗖 🗖 🗖 Did you eat at any Taco Bell? If yes, Location	Date//2006								
	Date//2006								
C 🗖 🗖 💆 Did you eat at any Kentucky Fried Chicken (KFC)? If yes, Location	Date//2006								
D	Date//2006								
E 🗍 🗖 💆 Did you eat at any Long John Silver's? If yes, Location	Date//2006								
F 🗍 🗖 💆 Did you eat at any Pizza Hut? If yes, Location	Date//2006								
G Did you eat at McDonalds? If yes, Location towns drive compositions, N	<u> </u>								
H □ □	Date//2006								
/ 🗖 🗖 💆 Did you eat at Blimpies? If yes, Location	Date//2006								
J 図 ロ ロ Did you eat at any other restaurant?									
II. TACO BELL EXPOSURES. Which of the following menu items did you eat at Taco Bell? Please note the menu items you ate for all Taco Bell visits and how many of each menu item you ate. Please remember that many items can be ordered with beef, chicken, or steak. Please specify which meat you ate. If you made substitutions in your order, you will be able to specify this later in the questionnaire. If you cannot remember the name of the menu item you ate (please mark "I don't remember" under Misc), you will be able to describe it later in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to your meal, please indicate that as well (mark under Misc).									
Y ? N Big Bell Value Menu # Y ? N Chalupas	~								
A 🔲 🗂 🗂 1/2 lb cheesy bean & rice burrito grande soft taco A 🔲 🗍 🗂 chalupa supreme- ground bed	ef (standard)								
B 🔲 🗂 1/2 lb beef combo burrito B 🗇 🗇 🗇 chalupa supreme- chicken	********								
c 🗆 🗂 🗖 spicy chicken soft taco c 🔲 🗖 🗖 chalupa supreme- steak/ carr	ne asada								
D D D D chalupa baja- ground beef (st	tandard)								
E 🗆 🗇 🗇 1/2 lb beef & potato burrito E 🗇 🗇 🗇 chalupa baja- chicken									
F 🔲 🖂 double decker taco- ground beef (standard) F 🗇 🗇 🗇 chalupa baja- steak/ carne as	sada								
F									
G 🗆 🗖 🗖 double decker taco- chicken G 🗖 🗇 chalupa nacho cheese- grour	nd beef (standard)								
G 🗆 🗖 🗖 double decker taco- chicken G 🗆 🗇 chalupa nacho cheese- grour	nd beef (standard)								

ID num	ber	(Sta	ite Lab ID if available)					Control A B (cir	cle)
Υ	?	N	Tacos	#	Υ	?	N	Nachos & Sides	#
AD			original taco (standard is ground beef)		ΑП			nachos	
вО			taco supreme (standard is ground beef)		вО			nachos supreme	
c 🗇 🗆			soft taco (standard is ground beef)		co			nachos bellgrande	
DO			ranchero chicken soft taco		DO			pintos & cheese	
E 🗇 . I			soft taco supreme- ground beef (standard)		εO			mexican rice	
FO			soft taco supreme- chicken		FO			cinnamon twists	
G 🗖 🗆			soft taco supreme- steak/ carne asada					Specialties	
но			grilled steak soft taco		A 🗇			crunchwrap supreme	
			Burritos		вО			mexican pizza	
A 🗆			bean burrito		CO			enchirito- ground beef (standard)	
ВО	0		7 layer burrito		DO			enchirito- chicken	
co			chili cheese burrito		E O			enchirito- steak/ carne asada	
DO			burrito supreme- ground beef (standard)		FO			meximelt- ground beef (standard)	
ΕO			burrito supreme- chicken		G 🗖			meximelt- chicken	
FO			burrito supreme- steak/ carne asada		н 🗇			meximelt- steak/ carne asada	
G 🗖			fiesta burrito- ground beef (standard)		/ 🗇			fiesta taco salad- ground beef (standard)	*******
н 🗆			fiesta burrito- chicken		10			fiesta taco salad- chicken	******
1 🗖	٥		fiesta burrito- steak/ carne asada		κП			fiesta taco salad- steak/ carne asada	
J D			grilled stuffed burrito- ground beef (standard)		LO			taco salad express- ground beef (standard)	
κО			grilled stuffed burrito- chicken		мО			taco salad express- chicken	
L 0			grilled stuffed burrito- steak/ carne asada		NO			taco salad express- steak/ carne asada	-

mountain dew baja blast

zesty chicken border bowl

southwest steak border bowl

I added a sauce to my meal (e.g., mild, hot, fire)

Quesadillas

chicken quesadilla

steak quesadilla

I don't remember

Bowls

Misc.

Other

Other_

А 🗇

Α

в 🗍

A 🗍

в 🎞

С

 $D \square$

Control Questionnaire

Gorditas

 $A \square$

в 🗇

C

E 🗆

н 🗇

gordita supreme- ground beef (standard)

gordita supreme- steak/ carne asada

gordita baja- ground beef (standard)

gordita nacho cheese- ground beef (standard)

gordita nacho cheese- steak/ carne asada

gordita baja- steak/ carne asada

gordita nacho cheese- chicken

gordita supreme- chicken

gordita baja- chicken

ID nu	mber	(St	ate Lab ID if available)				Control	Α	В	(circle)
Υ	?	N	ORDER SUBSTITUTIONS	***						
A 🗆			Did you specialize your order (for example					te beans,	etc.).	If yes, state
			which specific menu item you ordered and	state ho	w you specialized your order fo	r each me	enu item.			
Name	of me	enu	1.	2		3				•
item:			Hold tomatoes		Hold tomatoes		Hold tomator	es		
			☐ Hold lettuce		Hold lettuce		Hold lettuce			
			☐ Hold beef		Hold beef		Hold beef			
			☐ Hold chicken		Hold chicken		Hold chicke	in		
			☐ Hold cheese		Hold cheese		Hold chees	е		
			☐ Hold sour cream		Hold sour cream		Hold sour cr	eam		
			Hold any onions		Hold any onions		Hold any on	ions		
			Hold white onions		Hold white onions		Hold white	onions		
			Hold green onions		Hold green onions		Hold green	onions		
			☐ Hold olives		Hold olives		Hold olives			
			Substitute beans for meat		Substitute beans for meat		Substitute b	eans for	meat	
			☐ Hold sauce (specify type)	0	Hold sauce (specify type)		Hold sauce (specify ty	pe)	
			☐ Other		Other		Other			
			IF YOU CANNOT REMEMBER OR DO NOT KNOW THE MENU ITEM, answer both sets of questions below:							
Υ	?	N	If you cannot remember what menu item y	ou ordere	ed, do you know if you ordered	:				
A 🗇			A Taco?							
в 🗖			A Burrito?							
co			A Quesadilla?							
DO			A Salad?							
E O			Nachos?							
FO			Other (ex., gordita, chalupa, etc)	Describe				······································		
			If you cannot remember what menu item(s) you ord	lered, did any of your menu ite	ms contai	n (check all th	at apply)	:	
Υ	?	N								
G 🗖			Tomatoes							
но			Lettuce							
10			Ground beef							
J O			Chicken							
κロ			Sour Cream		•					
L 0			Cheese							
мп			Beans							
NO			Green onions							
0 🗖			White onions							
PO			Any onions							
QO			Steak							
R 🗖		O	Olives							
s 🗖			Sauce (ex., mild, hot, fire)							
т 🖂			Other (specify)							

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		a.	coli 0157:H	-	(b)(6)	'S
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h	ittp://wwv	v.whitepages.co	m/10001/revers	se address	ge get get a g	
	lick "Fin	d Neighbors" (along top). Type	e in case-patie	ent's home ado	lress, check "includ
^ /s	urroundin	ıg area,"∖and cli	ick "search." Th	nis will genera	ate a∕list of nei	ghborhood contacts
La []	If the reve	erse address dir	ectory fails to ge	enerate any ot	her addresses	or fails to generate
// e	nough to	obtain 2 contro	ls, use the revers	se phone dire	fory at the fol	lowing web site:
/ / <u>h</u>	ttp://wwv	v.whitepages.co	om/10001/revers	<u>se_phone,</u> ușii	ng the case-pat	tient's phone
	umber.		\	g to get a second		
				_p ped ^{seco}		
Please s	ee attach	ed "Control Fi	nding Instructi	ions" before	starting for m	ore detailed
instruct				a de proposition de la companya del companya del companya de la co		
Write in	control nur	mbers you have a	ttempted and ind	icate which on	es you interviev	ved please
No.		Phone	Time Da	5	sponse/Result	Interview
				(re	fused, not home	e, completed
			\neg	`	busy)	,
1	(b)(6)		8:44 12	18/06	not home	_ no
1.			87.45\	+ + +	ofused	10
2.			0,43			
3.			8141		not home	
4.			8:48	<u> </u>	<u>XISCOMECT</u>	
5.			8.47		<u>busu</u>	$\frac{no}{}$
6.			8.50	<u>" </u>	Viduxe	d no
7.		/		\ _	<u> </u>	
8.	-	,,20				
9.		E de la companya de	***************************************			
10.						
				<u> </u>		
11.		<u> </u>			/	
12.	<u></u>					
13.	/					
14.	/					
15.	<i>A</i>					
16.	L. renneunister			4444	· · · · · · · · · · · · · · · · · · ·	
17.						
18.						·
					···	

CONTROL'S SEX DMALE DEFEMALE DATE OF INTERVIEW/
CONTROL'S AGE INTERVIEWER'S NAME CONTROL'S SEX DMALE DEFEMALE DATE OF INTERVIEW//
RESTAURANT EXPOSURES. I will ask you some questions about places where you may have eaten. Please answer these questions for the 7 period from November 24 th , the day after Thanksgiving, to November 30 th .
Y ? N
A 🗍 🗍 Did you eat at any restaurants? (Specify street, city, state for each location please)
B
Location #2 (if more than 1) Date//2006
C 🗖 🗖 Did you eat at any Kentucky Fried Chicken (KFC)? If yes, Location
D
E Did you eat at any Long John Silver's?
F 🗖 🗖 Did you eat at any Pizza Hut?
G
H 🔲 🗇 Did you eat at any Subway? If yes,LocationDate//2006
I Did you eat at Blimpies? If yes, Location Date//2006
J 🗖 🗖 Did you eat at any other restaurant?
Thank you very much for your participation!

If you have any questions or problems, please contact Samir Sodha/ CDC Enterics, ssodha@cdc.gov/, (404) 639-2234 or Anandi Sheth/ CDC Enterics, asheth@cdc.gov, (404) 639-1984.

PLEASE FAX COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

Case St	ate II) :	Ca	ise Telephone:		
Address	s:		State	_ Zip		
Control	pho	ne	number:/	County		WAAAN
CONTI	ROL	S	AGE INTERVIEW	ER'S NAME		
-			SEX DMALE DEFEMALE DATE C A B (CIRCLE ONE)	OF INTERVIEW	<u></u>	**************************************
RESTAL Please a Novemb	answ	er t	EXPOSURES. I will ask you some questions all these questions for the 7 period from Novemb	oout places where you er 24 th , the day after Th	may have eaten. hanksgiving, to	
Υ	? !	VI				1
ΑО	0 0	כ	Did you eat at any restaurants?	(Specify street, city,	state for <u>each</u> location	n please)
вО	a 0)	Did you eat at any Taco Bell?		Date/	/2006
			Location #2 (if moi	re than 1)	Date/	/2006
co	a 0	כ	Did you eat at any Kentucky Fried Chicken (KFC)? If yes, Location		Date/	/2006
o O	a (J	Did you eat at any A & W All American Food? If yes, Location		Date/	/2006
E O		3	Did you eat at any Long John Silver's?		Date/_	/2006
F 🗖		3	Did you eat at any Pizza Hut?			/2006
G □		J	Did you eat at any McDonalds? If yes, Location_		Date/	/2006
ΗО		J	Did you eat at any Subway? If yes,Location	V-All-A-All-	Date/	/2006
, 0		3	Did you eat at Blimpies? If yes, Location_		Date/_	/2006
J O	(3	J	Did you eat at any other restaurant?		·	
	, , ,		Thank you very much for your partici	pation!		

If you have any questions or problems, please contact Samir Sodha/ CDC Enterics, ssodha@cdc.gov/, (404) 639-2234 or Anandi Sheth/ CDC Enterics, asheth@cdc.gov, (404) 639-1984.

PLEASE FAX COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

Case state ID#: | G | G | Case Telephone: | Case

Controls will be located by using the reverse address directory: Directions

Use the White Pages web site below

http://www.whitepages.com/10001/reverse_address

Click "Find Neighbors" (along top). Type in case-patient's home address, check "include surrounding area," and click "search." This will generate a list of neighborhood contacts. If the reverse address directory fails to generate any other addresses or fails to generate enough to obtain 2 controls, use the reverse phone directory at the following web site: http://www.whitepages.com/10001/reverse_phone, using the case-patient's phone number.

Please see attached "Control Finding Instructions" before starting for more detailed instructions.

Write in control numbers you have attempted and indicate which ones you interviewed please Interview Response/Result Time Date Phone No. (refused, not home, completed busy) Nobody atc at Taco Bell (b)(6) NO 0:55am 12/09/06 4 00 am 12/09/06 NO NOT home Nobody ate @ Taco Bell 1:05am 12/09/06 NO 1:08 am 12/09/a obtatos somebody called NO <1₹ mbody home NO 10 am 12/09/06 Ø. 12 am 12/09/06 Na nobody home Nobody between 1-6040 7. 14am 12/09/06 $\mathcal{N}()$ 12/09/06 NO Nobody atce Taco Bell 8. NOBODY NOME N didn'teat @ Taco Bell in the that window of time 12/09/04 NO. NO 30 12/09/06 10. 40 12/09/06 Mo not soo home 11) Nobody ate @ Taco Bell NO 52 12/09/04 12. refuse No 12/09/04 13. Nobody atce Taco Bell ND 12/09/16 14. NO phone disconnected :59 12/09/06 15. ND .000 12/09/06 (16.NO 12/09/06 business 17. 12:03 12/09/OL busine sc NO 18. 12/09/06 NO ND

***		/C++	Lab ID if available)						Control	A B	(circle)
ID nur	nver	(Stat	2006E. COLI 0157 OU	TRREAK. CO	NT	RO) (all	ESTIONNAIRE		
NOV	EM	BEH	2006E. COLI 0157 00	I DUTWIE OF		R 8 W	- 104140				
			number	ining Companio		_)the	r Ts	aco Bell diner Reve	erse direct	ory
Metho	d of	conti	Or Coroniari (France								-
Age _			Sex OM OF State		Co	ounty	′		City		-
Intervi	ewer	name	Date o	of interview	/		/200	06			
				arent							
AAUO A	vas II	Helvie	wed: Como								
					es/			No	(If Yes, thank participa	ant and end	interview).
			with vomiting or diarrhea since No						(1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		
Are yo	u a T	Taco E	lell employee? (please circle)	Yes	No	•					
I RES	TAU	RAN	EXPOSURES. Now I will ask yo	u some question	s at	out	pla	ces	where you may have eate	en. Please	1
answ	er th	ese q	EXPOSURES. Now I will ask you lestions for the 7 days prior to		TIII I	in ca	ise i	une	SS Unset date)		
Y	?	N							(Specify street, city, state	o for each l	nestion)
A 🗇		O	Did you eat at any restaurants?-	If no, end interview				_		Date	/ /2006
в 🗆			Did you eat at any Taco Bell?		ır ye:	s, Lo	Cauo	··-		Date	/ /2006
				Continue (KEO)	£	. Lor	natio			Date	/ /2006
c 🗆			Did you eat at any Kentucky Frid		iiye:	s, Luc	otior	۱³ ،		Date	/ /2006
D 🗆			Did you eat at any A & W All Am		-					Date	
E O			Did you eat at any Long John Si		•					Date	//2006
F 🗇			Did you eat at any Pizza Hut?		•					Date	/2006
G 🗆		0	Did you eat at McDonalds?		•	•				Date	//2006
H O	0		Did you eat at Subway?							Date	/2006
1 0	0	_	Did you eat at Blimpies? Did you eat at any other restaur		,,		•				
10											
If the	con	troi a	d not eat at Taco Bell, please en	a michano							
11 TE A	^^	aci i	EXPOSURES. Which of the follo	wing menu items	s die	d yo	u ea	ıt at	Taco Bell? Please note to	he menu il	ems you
ate fo	or all	Taco	EXPOSURES. Which of the folio Bell visits and how many of eac	h menu item you	ate	. Ple	ase	ren	nember that many items (can be ord	ered with
beef,	, chic	ken,	or steak. Please specify which n	neat you ale. If y	uu i Kai	nam	e od	the	menu item you ate (plea:	se mark "l	don't
spec	ify th	ils lat	er in the questionnaire. It you ca ter Misc), you will be able to des	innot remember i cribe it later in th	ie q	uest	ion	naire	e. If you added a sauce (e.g., mild,	hot, fire) to
reme vour	mea mea	r" un I. pie:	ise indicate that as well (<i>mark ur</i>	nder Misc).	•						
,		-,,							·····		
Y	?	N	Big Bell Value Menu	#		Y	?	N	Chalupas		#
A O		O	1/2 lb cheesy bean & rice burrito gran	de soft taco	A	O	0		chalupa supreme- ground be	et (standard)
вП			1/2 lb beef combo burrito		-				chalupa supreme- chicken		
C			spicy chicken soft taco		1	0			chalupa supreme- steak/ car		MARKET
D O			spicy chicken burrito						chalupa baja- ground beef (s	iandard)	
EO			1/2 lb beef & potato burrito		1			0	chalupa baja- chicken	ande.	
FO		o	double decker taco- ground beef (state	ndard)	l				chalupa baja- steak/ came a		mdord\
G 🗆			double decker taco- chicken		1		0		chalupa nacho cheese- grou		inaiu)
ΗО		О	double decker taco- steak/ came asa	da <u> </u>					chalupa nacho cheese- chic		
1 0			caramel apple empanada		1		0		chalupa nacho cheese- stea	ny cambasa	
J		0	cheesy fiesta potatoes	****	<u> </u>					···	1

Control Questionnaire

ID nu	nber	(Sta	ate Lab ID if available)				Control	Α	В	(circle)	
Y	?	N	ORDER SUBSTITUTIONS								
A 🗇	Ġ		Did you specialize your order (for example	, did yo	u ask for no sour cream, no ton	natoes, no	beef, substitu	te beans	etc.).	If yes, state	
which specific menu item you ordered and state how you specialized your order for each menu item.											
Name	of me	กเม	1.	2		3				•	
item:	.,		☐ Hold tomatoes		Hold tomatoes		Hold tomato	es			
			☐ Hold lettuce		Hold lettuce	0	Hold lettuce	•			
			☐ Hold beef		Hold beef	O	Hold beef				
			Hold chicken		Hold chicken		Hold chick	en			
			☐ Hold cheese		Hold cheese	0	Hold chees	e			
			☐ Hold sour cream		Hold sour cream	O	Hold sour c	ream			
			☐ Hold any onions		Hold any onions		Hold any or	nions			
			☐ Hold white onions	a	Hold white onions	a	Hold white	onions			
			☐ Hold green onions		Hold green onions		-				
			☐ Hold olives		Hold olives		Hold olives				
			 Substitute beans for meat 		Substitute beans for meat		Substitute i	peans for	meat		
			☐ Hold sauce (specify type)		Hold sauce (specify type)		Hold sauce (specify ty	pe)		
			Other		Other		Other				
			IF YOU CANNOT REMEMBER OR DO N	OT KN	OW THE MENU ITEM, answer	both sets	of questions	below:			
Y	?	N	If you cannot remember what menu item y	ou orde	red, do you know if you ordere	d:					
ΑП			A Taco?								
в□	0	٥	A Burrito?								
с□			A Quesadilla?								
D 🗆			A Salad?								
ΕO			Nachos?								
FO			Other (ex., gordita, chalupa, etc)	Describ	6 <u></u>						
			If you cannot remember what menu item(s) you o	rdered, did any of your menu it	ems contai	n (<i>check all ti</i>	at apply)	:		
Y	?	N									
a 🗇			Tomatoes								
нΟ		o	Lettuce .								
10			Ground beef								
JO	0		Chicken								
κО			Sour Cream								
LO			Cheese								
мО			Beans					•			
ΝO			Green onions		•						
0 🏻			White onions								
Р□			Any onions								
a 🗆			Steak								
R 🗆			Olives								
s O			Sauce (ex., mild, hot, fire)								
	("3		Other (specify)								

PLEASE FAX ALL COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

ADDITIONAL CONTROL TRACKING SHEET

STATE W

CASE STATE ID NUMBER 194116

No.	Phone	Time	Date	Response/Result (refused, not home,	Interview completed
	(b)(6)	7		busy)	
(21)		2:07	12/09/04	Nothome	NO
22.		:09	12/09/04	NOBODY Pat @ taco	No No
23)		2:11	12/09/04	not home	_NO
24.		2:14	12/09/06	fefuse	<u>No</u> _
25.		15	12/09/06	NOT home	_NO
26.		:26	12/09/06	Nobody to ate	<u>ND</u>
27)		-30	12/09/06	Not home	NO
28		:37	12/09/06	Nothome	no
29.		:40	12/09/01	Notrate Taco Buil	ND
30.		1:41	12/09/06	#dars Alt work	NO
31.		:42	12/09/06	# doesn+ nork	-No
32.		1:4	3 12/09/04	# docsnil-work	_N)
33.		1:45	12/09/04	Not eat € Taco Be U	<u>NO</u>
34.		:47	12/09/06	#darsn+ work	<u>~o</u>
(35.)		1:50	12/09/06	not home	<u> 40</u>
36.		1: 50	12/09/04	business.	<u> </u>
37.		:01	12/09/06	not home	<u>MD</u>
38.		2-03	12/09/06	Refuse,	NO
39.		2:67	12/09/06	not eat taro bell in window of time	MO
40.		2:10	12/09/04	No eat	NO
		_		tacobell	

STATE M

ADDITIONAL CONTROL TRACKING SHEET

CASE STATE ID NUMBER 194116

No.	Phone	Time	Date	Response/Result (refused, not home,	Interview completed
(21)	(b)(6)	1:13	12/09/04	busy) Not home	No
22.		5 2:38	12/09/04	lefuse	NO
		2:40	12/09/04	# Not WOVE	<u>N9</u>
24.)		2:44	12/09/06	Not home	NO
25.		2:45	12/09/06	# not work	ND
$(\widehat{26.})$		2:45	12/09/04	Not nome	<u>NO</u>
27.		2:50	12/09/06	not eat @ taco	<u> </u>
(28)		2:51	12/09/06	NOT home	No
(29)		- 2:53	12/09/00	not home	NO
30.		2:54	12/09/06	# Not work	<u></u>
31.		2=57	12/09/06	MOR NO fat Co	<u> ND</u>
32.	***************************************				
33.					
34.		-	-		
35.					
36.					
37.					
38.			<u></u>		
39.					
40.				***************************************	

Escherichia coli (D157:H7 Telephone Interviews	
Case state ID#: 1941/2	Case Telephone	
Case address: (b)(6)	City Rusen	
	State N.T Zip	

Controls will be located by using the reverse address directory: <u>Directions</u>

Use the White Pages web site below

http://www.whitepages.com/10001/reverse_address

Click "Find Neighbors" (along top). Type in case-patient's home address, check "include surrounding area," and click "search." This will generate a list of neighborhood contacts. If the reverse address directory fails to generate any other addresses or fails to generate enough to obtain 2 controls, use the reverse phone directory at the following web site: http://www.whitepages.com/10001/reverse phone, using the case-patient's phone number.

Please see attached "Control Finding Instructions" before starting for more detailed instructions.

Write in control numbers you have attempted and indicate which ones you interviewed please Response/Result Interview Time Date Phone No. completed (refused, not home, (b)(6) busy) -1206 7. <u>iao6</u> ي8. 10. 11. -1209 12. 13. -14. · 15. 16. 17. 18. 19. 20.

STATE NJ

ADDITIONAL CONTROL TRACKING SHEET

CASE STATE ID NUMBER 194/12

	No.	Phone	Time	Date	Response/Result	Interview
		(b)(6)			(refused, not home, busy)	completed
(b)(6)	21.		1129	12/9/06	refused	<u>N</u> _
	22.		(131	12/9/06	-fax #	X .
	23.		1131	12/9/06	not home	10-1217
	24.		1/32	12/9/06	Not Theep	- //
(b)(6)	7 25.		135	12/9/06	No 110 exp	<u> </u>
	26.		1/37	12/9/06	NO TB exp	N.
	27.		1138	12/9/06	not home	W-1218
	28.		1138	12/9/06	not home	\mathcal{N}_{+}
	29.	+	139	12/9/de	not home	<u> </u>
	30.	7	1139	12/9/06	NO 78 exp	<u>~~</u>
	31.	4	1141	12/9/06	NO TB EKP	W
	32.		1142	12/9/06	NOTB exp	<u> </u>
	33.		1144	12/9/06	Not home	<u> </u>
	34.	-	1148	12/9/06	NO TB exp	<u>N</u>
	 √ 35.		1154	12/9/06	no TB exp	-N-
	36.		1155	12/9/06	disconnided	<u>N</u>
(b)(6)	37.		1156	12/9/06		<u> </u>
	38.		1157	12/9/06	not home	<u>N</u>
	□ 39.		1158	12/9/06	Not home	Ν_
	40.		1159	12/9/06	not home	4

Escherichia coli O157:H7 Telephone Interviews

Case state ID#: 1941/2	Case Telephone:	
Case address:	City	
	State Zip	

Controls will be located by using the reverse address directory:

Directions

Use the White Pages web site below

http://www.whitepages.com/10001/reverse_address

Click "Find Neighbors" (along top). Type in case-patient's home address, check "include surrounding area," and click "search." This will generate a list of neighborhood contacts. If the reverse address directory fails to generate any other addresses or fails to generate enough to obtain 2 controls, use the reverse phone directory at the following web site: http://www.whitepages.com/10001/reverse_phone, using the case-patient's phone number.

Please see attached "Control Finding Instructions" before starting for more detailed instructions.

ADDITIONAL CONTROL TRACKING SHEET

	No.	Phone	Time	Date	Response/Result	Interview	
		(b)(6)	1		(refused, not home,	completed	
	[] an		1:27	12/9/06	not home	\mathcal{N}_{-}	
	61 20.		,	interface	nothone	\sim	
	62 22.		127	10/9/00	3		
	-63-63.		1:34	12/9/06	Not have		
	last eg.		1:36	12/9/06	nothome	\mathcal{N}_{-}	
	65.23.		1:36	12/9/06	refused-8840	\mathcal{N}	
(b)(6)	66.26.		1238	12/9/06	not home		
	67,27.		1:38	12/9/00	not home	$\overline{\lambda}$	
	b 8 28.		1:40	12/9/06	not home		
	69. 20.		1:40	12/9/06	not home		
	TO . 30.		13H	12/9/06	_dissonne ched		
	HA		1.56	12/9/06	Nothone	\mathcal{N}_{-}	
(72 22.		2:08	12/9/06	nothonie	\mathcal{N}_{-}	
·	13 As.		2:10	12/9/06	NO TB exp	N	
	74 24.		2:40	10/9/06	\$ working	\sim	
	f		2:40	12/9/00	not home	\sim	
	75. 35. Ho. 36.		2:40	12/9/06	not home	N	
			2:40	_ (34 4)	befused	X can bet	
	77.31.		, ,			N- are art	20
	78-38.		2:45	12/9/06	Refused	N - Town Bed	¥
(h)(s)	79 39.		2:44	12/9/0b	not home	<u> </u>	
(b)(6)	80 80.		2:59	12/9/06	NO TBEKP		
	- W		_	*			

STATEM

ADDITIONAL CONTROL TRACKING SHEET

CASE STATE ID NUMBER 194/12

	No.		Phone	Time	Date	Response/Result	Interview
(b)(6)						(refused, not home,	completed
	21.	(b)(6)		3:01	12/9/06	busy) NH WAME	
	22.			3:05	12/1/06	& TB exp	<u> </u>
	23.			3=07	12/1/06	\$ Not home	
	24.			3:08	12/9/06	refused	
	25.			3:09	12/9/06 -		
	26.			3:11	2/9/06	not home	\mathcal{L}
	27.			3:16	12/9/06	\$TBEKP	
	28.			3:17	12/9/06	of TB exp	N
	29.			3:23	12/9/06	9 Bexp	
	30.			3:23	P/1/06	\$ TBEKP	$\frac{}{}$
	31.			3-24	12/9/06	Nothense	/\/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	32.			3:25	2/9/06	OTB exp	<u>//</u>
(b)(6)	33.			3:26	12/9/06	Not home	14
	34.			347	12/1/06	<u>4 10 ekp</u>	
	35.			3:28	12/9/06	p 18 exp	//
	36.			7-70	12/9/06	of 18 exp	/y
	-37 .			3:31	12/9/06	4 10 eg	17
	38.			3:33	12/9/06	Not home	<u>//</u>
	39.			3:34	17/06	4 10 exp	// //
	40.			27/25	12/1/06	And last as	
				_		not home	

STATEM

ADDITIONAL CONTROL TRACKING SHEET

CASE STATE ID NUMBER $194/12$

No.	Phone	Time	Date	Response/Result (refused, not home,	Interview completed
(b)(6)	212/2	nb	NOT Wome	X/
21.		3:36	10/9_		<u> </u>
22.		3:36	12/9	- NOT Home	
23.		3:38	49	Mused	
24.		351	12/9	p TB exp	<u>//</u>
25.	****	3:52	17/9	\$ 70 exp	
26.					
27.					****
28.					
29.					
30.					
31.					
32.		**** *********************************			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
33.					
34.					
35.					
36.					and the state of t
37.					
38.			- 44		
39.				<u></u>	
40.		····			<u></u>

ID	number	(State Lab	ID	if available))
	******	(Donne Due		** ** ** ***	/

Control	(A)	В	(circle)
* A # 800 800	\ /		

NOVEMBER 2006--F COLLO157 OUTBREAK- CONTROL QUESTIONNAIRE

lethod o	Phone nur of control	selection (please circle	e) Dining Comp	panion	Ot	her Ta	aco Bell diner	Reverse directory	
.ge	s	Sex OM OF	State	Cc	unty_		Cit		
			Date of interview			2006			
		d? Control	Parent						
IIIO Was	HILEIVIEWE	d: Oditioi	; (d/ G/ A						
ava vari	ı haan ill wi	th vomiting or diarrhea s	ince November 1 st ?	Yes		No	(If Yes, thank	participant and end interv	iew
				No			, ,	,	
re you a	a raco bell	employee? (please circle	<i>3)</i> 163	140					
								Please	
RESTA	<i>URANT E.</i>	XPOSURES. Now I will tions for the 7 days pri	ask you some que or to / //	:stions ab 2006 <i>(fill i</i>	out p n cas	laces e iline	wnere you may na ess onset date)	ave eaten. Please	
Y ?		dono for the radyo pri							
		Did you eat at any resta	urants? If no end inte	erview			(Specify street.	city, state for each location)
		Did you eat at any Taco			. Loca	tion		-	
w <i>u</i>		Did you call all ally 1400		,	,			Date//20	006
0 0		Did you eat at any Kentu	ucky Fried Chicken (KI	FC)? If yes	, Loca	tion		Date//2	006
0 0		Did you eat at any A & V							006
		Did you eat at any Long			Locat	ion		Date//2	006
		Did you eat at any Pizza		If yes,	Locat	ion		Date//2	006
0 0		Did you eat at McDonald		If yes,	Locat	ion		Date//20	006
		Did you eat at Subway?		If yes,	Locat	ion		Date//20	006
	ם נ	Did you eat at Blimples?	,	If yes,	Locatio	on		Date//20	006
] []	Did you eat at any other	restaurant?						
the co	ntrol did n	ot eat at Taco Bell, ple	ase end interview.						
			e following menu	items did		eat at	Taco Bell? Please	e note the menu items yo	ou
TACO	BELL EX	POSURES. Which of the			you		sombor that many	itame can be ordered w	ith
te for a	II Taco Be	II visits and how many	hich meat you ate	n you ate.	Pleas	se ren	nember that many	items can be ordered w	ith
te for a eef, chi pecify t	ill Taco Be icken, or s this later i	II visits and how many teak. Please specify w n the questionnaire. If	hich meat you ate you cannot remen	n you ate. . If you n nber the r	Plea: nade : name	se ren substi of the	nember that many tutions in your or menu item you al	items can be ordered w der, you will be able to te (<i>please mark "I don't</i>	ith
te for a eef, chi pecify t ememb	III Taco Be icken, or s this later i per" under	Il visits and how many steak. Please specify w n the questionnaire. If <i>Misc</i>), you will be able	hich meat you ate you cannot remen to describe it later	n you ate. . If you n nber the r	Plea: nade : name	se ren substi of the	nember that many tutions in your or menu item you al	items can be ordered w der, you will be able to	ith
te for a eef, chi pecify t ememb	III Taco Be icken, or s this later i per" under	II visits and how many teak. Please specify w n the questionnaire. If	hich meat you ate you cannot remen to describe it later	n you ate. . If you n nber the r	Plea: nade : name	se ren substi of the	nember that many tutions in your or menu item you al	items can be ordered w der, you will be able to te (<i>please mark "I don't</i>	ith
te for a seef, chi pecify te memb our me	III Taco Be icken, or s this later i per" under pal, please	Il visits and how many teak. Please specify we name the questionnaire. If Misc), you will be able indicate that as well (n	hich meat you ate you cannot remen to describe it later	n you ate. If you note the rin the qu	Pleas nade s name nestio	se ren substi of the nnaire	nember that many tutions in your ord menu item you at e. If you added a s	items can be ordered w der, you will be able to te (<i>please mark "I don't</i>	e) t
e for a seef, chicocify to membour me	III Taco Be icken, or s this later i per" under eal, please	Il visits and how many steak. Please specify we note the questionnaire. If Misc), you will be able indicate that as well (note	thich meat you ate. you cannot rement to describe it later nark under Misc).	n you ate. If you note the rin the qu	Pleas nade s name nestio	se ren substi of the nnaire	nember that many tutions in your or menu item you at e. If you added a s Chalupas	items can be ordered w der, you will be able to te (<i>please mark "I don't</i> sauce (e.g., mild, hot, fir	ith
e for a seef, chicecify temembour me	ill Taco Be icken, or s this later i per" under eal, please	Il visits and how many steak. Please specify we the questionnaire. If Misc), you will be able indicate that as well (needed) and the property of the comments	thich meat you ate. you cannot rement to describe it later nark under Misc).	you ate. If you note the rin the quality and the quality are the rin	Pleasinade si iame iestio	se rensubstiof the nnaire	nember that many tutions in your order that you after you after you after you after a second of the control of	items can be ordered we der, you will be able to the (please mark "I don't sauce (e.g., mild, hot, fire tround beef (standard)	e) t
te for a seef, chicoccify to commends our me	all Taco Be icken, or s this later i per" under pal, please N Bi 1/2	Il visits and how many steak. Please specify we note the questionnaire. If Misc), you will be able indicate that as well (note	thich meat you ate. you cannot rement to describe it later nark under Misc).	# A B	Pleasinade si ame lestio	se rensubsti	nember that many tutions in your or menu item you at e. If you added a s Chalupas	items can be ordered with der, you will be able to the (please mark "I don't sauce (e.g., mild, hot, fire round beef (standard) hicken	e) t
e for a seef, chicoccify to member our me	Il Taco Be icken, or s this later i per" under eal, please N Bi 1 1/2 1 1/2	Il visits and how many steak. Please specify we note the questionnaire. If Misc), you will be able indicate that as well (note that as well (note that as well well) as the composition of the composition	thich meat you ate. you cannot rement to describe it later nark under Misc).	you ate. If you note the rin the quality and the quality are the rin	Pleasinade siame lestio	se rensubstiof the nnaire	tutions in your order that many tutions in your order. If you added a second chalupas chalupa supreme- general chalupa supreme- chalupa suprem	items can be ordered w der, you will be able to te (please mark "I don't sauce (e.g., mild, hot, fire round beef (standard) hicken teak/ carne asada	e) i
te for a seef, chipecify in the community of the communit	all Taco Be icken, or s this later i per" under eal, please N Bi 1/2 1 1/2 1 sp 1 sp	Il visits and how many steak. Please specify we the questionnaire. If Misc), you will be able indicate that as well (note that as well (note that as well as w	thich meat you ate. you cannot rement to describe it later nark under Misc).	# A B C	Please stands st	se rensubstiof the nnaire	nember that many tutions in your order that you at the end of the	items can be ordered with der, you will be able to the (please mark "I don't sauce (e.g., mild, hot, fire tround beef (standard) hicken teak/ carne asada di beef (standard)	e) i
te for a eef, chi pecify i pecify i pememb our me	all Taco Be icken, or s this later i per" under eal, please N Bi 1/2 1 1/2 1 sp 1 sp 1 1/2	Il visits and how many teak. Please specify we the questionnaire. If Misc), you will be able indicate that as well (n) g Bell Value Menu 2 lb cheesy bean & rice burr 2 lb beef combo burrito icy chicken soft taco icy chicken burrito 2 lb beef & potato burrito	which meat you ate you cannot rement to describe it later nark under Misc).	# A B C C D	Please same lestion	se rensubstitof the nnaire	tutions in your order that many tutions in your order you at the you at the you at the you at the you added a second to the your added a second to the your added to	items can be ordered with der, you will be able to the (please mark "I don't sauce (e.g., mild, hot, fire the count beef (standard) hicken teak/ carne asada di beef (standard) en	e) i
te for a eef, chi pecify in the pecify in th	Il Taco Be icken, or s this later i per" under eal, please N Bi 1/2 1 1/2 1 sp 1 sp 1 do	Il visits and how many steak. Please specify we the questionnaire. If Misc), you will be able indicate that as well (note that as well (note that as well as w	which meat you ate you cannot rement to describe it later nark under Misc).	# A B C D E	Please stande st	se rensubstitof the nnaire	tutions in your order that many tutions in your order that you at the you at the you at the you at the you added a second to the you added a second to the your added a second to the your added	items can be ordered with der, you will be able to the (please mark "I don't sauce (e.g., mild, hot, fire the count beef (standard) hicken teak/ carne asada di beef (standard) en	e)

Control Questionnaire

J 🗇 🗇 🗇

caramel apple empanada

cheesy fiesta potatoes

1

/ 🗇 🗇 🖒 chalupa nacho cheese- steak/ carne asada

ID nu	mber	(Sta	ate Lab ID if available)				Control	A	В	(circle)
Y	?	N	ORDER SUBSTITUTIONS							
A D			Did you specialize your order (for example	e, did yo	u ask for no sour cream, no ton	natoes, no	beef, substitu	te beans	etc.).	If yes, state
			which specific menu item you ordered and				enu item.			
Name	of me	nu	1.	2		3				•
item:			☐ Hold tomatoes				Hold tomato			
			☐ Hold lettuce		Hold lettuce	0	Hold lettuce			
			Hold beef		Hold beef		Hold beef			
			☐ Hold chicken	0	Hold chicken		Hold chicke			
			☐ Hold cheese		Hold cheese		Hold chees	е		
			☐ Hold sour cream		Hold sour cream		Hold sour cr	eam		
			Hold any onions		Hold any onions		Hold any on	ions		
			☐ Hold white onions		Hold white onions		Hold white	onions		
			☐ Hold green onions		Hold green onions		Hold green	onions		
			☐ Hold olives		Hold olives		Hold olives			
			☐ Substitute beans for meat		Substitute beans for meat		Substitute b	eans for	meat	
			☐ Hold sauce (specify type)	0	Hold sauce (specify type)		Hold sauce (specify ty	pe)	
			Other	O	Other		Other			
			IF YOU CANNOT REMEMBER OR DO N	OT KNO	OW THE MENU ITEM, answer	both sets	of questions	below:		
Y	?	N	If you cannot remember what menu item y	ou orde	ered, do you know if you ordered	d:				
A 🗆			A Taco?							
ВО			A Burrito?							
СП			A Quesadilla?							
DO			A Salad?							
E O			Nachos?							
FO			Other (ex., gordita, chalupa, etc)	Describ	e					
			If you cannot remember what menu item(s) you o	rdered, did any of your menu ite	ems contai	n (<i>check all th</i>	at apply)		
Υ	?	N								
G 🗖			Tomatoes							
ΗП			Lettuce '							
/ 0			Ground beef							
JO			Chicken							
κ□			Sour Cream							
LO			Cheese							
мО			Beans							
NO			Green onions							
0 🗖	0		White onions							
PO			Any onions							
Q 🗖			Steak							
RO			Olives							
so			Sauce (ex., mild, hot, fire)							
7 0			Other (specify)							

PLEASE FAX ALL COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

Eschei	ichia coli O157:H7 Telephone Interviews	_
Case state ID#: 1939	Case Telephone:	
Case address: (b)(6)	City Pisca taway Toursh	1
	State <u>NT Zip 08854</u>	

Controls will be located by using the reverse address directory: Directions

Use the White Pages web site below http://www.whitepages.com/10001/reverse address

number.

Click "Find Neighbors" (along top). Type in case-patient's home address, check "include surrounding area," and click "search." This will generate a list of neighborhood contacts. If the reverse address directory fails to generate any other addresses or fails to generate enough to obtain 2 controls, use the reverse phone directory at the following web site: http://www.whitepages.com/10001/reverse_phone, using the case-patient's phone

Please see attached "Control Finding Instructions" before starting for more detailed instructions.

No.	Phone	Time Date	Response/Result Interview
			(refused, not home, completed
			busy)
1.	(b)(6)	35 Dec 9	didn't eat @ TACO Bell
2.		1:wan Dec9	hungup on me
3.		colon Dec9	already called yesterday
4.		.62am DCL9	did not ent at Taco Bell
5.		02am Dec 9	rejeat#
6.		14am Dec9	Someone Called yesterday
7.		1:08am Dec9	didn't eat at Taco Bell
8.		1:69am Dec9	no answer
9.			repeat #
10.		2/11/1 Dec 9	hunguponme
11.		11:12 Dec 9	hung up on me
12.		1:14 Dec 9	not answord-machine
13.		11:15am Dec 9	CAUBACK of h
14.		11:19am Dec 9	doernot eat at Taco Bell Opm
15.		11:20 Dec 9	10 answer
16.		1:22 Dec 9	nooneakat TacoBell
17.		11:23 Dec9	hungupon me
18.		1:24 Dec 9	no one atent the Bell
19.		11:26 Dec 9	disconnected #
20.		11:27 Dec 9	answering mailine

ID number (State Lab ID if available) NOVEMBER 2006E. COLI O157 OUTBREAK	- CONTROL QUESTION	Control A B (circle)							
Control Phone number									
Method of control selection (please circle)	panion Other Taco Bell of	iner Reverse directory							
Age Sex	County	City							
	/2006								
Who was interviewed? Control Parent	audition.								
Have you been ill with vomiting or diarrhea since November 1 st ? Are you a Taco Bell employee? (please circle) Yes	? Yes No (If Ye	s, thank participant and end interview).							
I. RESTAURANT EXPOSURES. Now I will ask you some que answer these questions for the 7 days prior to	estions about places where yo 12006 <i>(fill in case illness onset</i>	u may have eaten. Please date) — Nov 2 Y - Nov 3 0 .							
Y ? N									
A Did you eat at any restaurants?- If no, end into	• • • • • • • • • • • • • • • • • • • •	y street, city, state for each location)							
B Did you eat at any Taco Bell?	If yes, Location	Date//2006 Date/ /2006							
	(FO) 0 15 1 1 is n								
Did you eat at any Kentucky Fried Chicken (K		5 / /0000							
Did you eat at any A & W All American Food?	If yes, Location	5 / ()0000							
Did you eat at any Long John Silver's?	If yes, Location								
Did you eat at any Pizza Hut?	If yes, Location								
G Did you eat at McDonalds?	If yes, Location								
H	If yes, Location	m , , (0000							
I I I </th <td>11, 7, 401</td> <td></td>	11, 7, 401								
If the control did not eat at Taco Bell, please end interview.									
II. TACO BELL EXPOSURES. Which of the following menu items did you eat at Taco Bell? Please note the menu items you ate for all Taco Bell visits and how many of each menu item you ate. Please remember that many items can be ordered with beef, chicken, or steak. Please specify which meat you ate. If you made substitutions in your order, you will be able to specify this later in the questionnaire. If you cannot remember the name of the menu item you ate (please mark "I don't remember" under Misc), you will be able to describe it later in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to your meal, please indicate that as well (mark under Misc).									
Y ? N Big Bell Value Menu	# Y ? N Chalupa								
A 🔲 🔲 1/2 lb cheesy bean & rice burrito grande soft taco	www.	upreme- ground beef (standard)							
B	– 1	upreme- chicken							
c 🗆 🗆 spicy chicken soft taco		upreme- steak/ carne asada							
D		aja- ground beef (standard)							
E		aja- chicken							
F		aja- steak/ carne asada							
G 🗍 🗍 double decker taco- chicken		acho cheese- ground beef (standard)							
H 🔲 🔲 double decker taco- steak/ carne asada		acho cheese- chicken							
/ caramel apple empanada	/ 🗇 🗇 🗇 chalupa r	acho cheese- steak/ carne asada							
J □ □ cheesy fiesta potatoes									

Control Questionnaire

ID nu	mber	(St	ate Lab ID if available)				Control	A I	s (circle)
Y	?	N	ORDER SUBSTITUTIONS						
а 🖸			Did you specialize your order (for example which specific menu item you ordered and					beans, etc.). If yes, state
Name	of mo		,	2		3			
item:	OI IIIC	illu	☐ Hold tomatoes		Hold tomatoes		Hold tomatoes	+	
			☐ Hold lettuce		Hold lettuce	О	Hold lettuce		
			☐ Hold beef		Hold beef		Hold beef		
			☐ Hold chicken		Hold chicken		Hold chicken		
			☐ Hold cheese		Hold cheese		Hold cheese		
			☐ Hold sour cream		Hold sour cream		Hold sour crea	am	
			☐ Hold any onions		Hold any onions	a	Hold any onio	ns	
			☐ Hold white onions		Hold white onions		Hold white on	ions	
			☐ Hold green onions		Hold green onions		Hold green o	nions	
			☐ Hold olives		Hold olives	o	Hold olives		
			☐ Substitute beans for meat		Substitute beans for meat		Substitute be	ans for mea	at
			☐ Hold sauce (specify type)		Hold sauce (specify type)		Hold sauce (sp	ecify type)_	
			Other		Other		Other		
			IF YOU CANNOT REMEMBER OR DO N	OT KNO	OW THE MENU ITEM, answe	r both sets	of questions k	elow:	
Y	?	N	If you cannot remember what menu item y	ou orde	red, do you know if you ordere	ed:			
A 🗆			A Taco?						
вП			A Burrito?						
СП			A Quesadilla?						
DO			A Salad?						
EO			Nachos?						
F			Other (ex., gordita, chalupa, etc)				**************************************	· · · · · · · · · · · · · · · · · · ·	
			If you cannot remember what menu item(s) you o	dered, did any of your menu it	ems contair	ı (check all that	apply):	
Υ	?	N							
G 🗇			Tomatoes						
н□			Lettuce *						
10			Ground beef						
J 0			Chicken						
KO			Sour Cream		•				
LO			Cheese						
мП			Beans						
ND			Green onions						
0 🗖			White onions						
PO			Any onions						
Q			Steak						
RO			Olives						
s 🗆			Sauce (ex., mild, hot, fire)						
7 🗆			Other (specify)						

PLEASE FAX ALL COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

Control Questionnaire 3

STATE NJ

ADDITIONAL CONTROL TRACKING SHEET

No.	Phone	Time Date	Response/Result (refused, not home,	Interview completed
	(b)(6)		busy)	
21.		1pm Dec 9	no answer	
22.		2pm Dec 9	answering mac	hine
23.		13pm Dec 9	no one ate at TA	COBell_
24.		:14pm Dec 9	noone ate at TA	cobel/
25.		:llepm Dec 9	answering machin	
26.		17pm Dec 9	answering mach	ine Lines
27.		18pm Dec 9		- Lines
28.		18pm Dec 9	answering machin	ne
29.		18pm Dec 9	nooneateat TAG	o Bell
30.		:21pm Dec 9	no answer	
31.		21pm Dec 9	repeat#	
32.			person is repeat of #31	
33.		:23pm Dec 9	hung up on me	
34.		23pm Dec 9	refused	
35.			business	
(36.)		25pm Dec 9		
37)				
Us.			busineil	
39.			businell	
40.			business	

ADDITIONAL CONTROL TRACKING SHEET

STATE NO

CASE STATE ID NUMBER 193964

No.	Phone	Time Date	Response/Result (refused, not home,	Interview completed	
	(b)(6)		busy)		
21.			answeringmachine		
22.		1:40 am Dec 9	nooneateat	TAWBell	
23.		11:47am Dec 9	no answer	, and a state of the state of t	
24.		1:48 am Dec 9	# not in service		
25.		11:49 am Dec 9	answering muchine		
26.			no one ateat TA		-
27.		11:51 am Dec 9	Visitor to the ho	meanswered-how	nes
28.		_	answering machin	·	1+there
29.		55am Dec 9	answering machin	n <u>e</u>	
30.		57 am Dec 9	no answer		
31.		:58am Dec 9	Lungup on me		
32.		2:00pm Dec 9	busineis	- was also a state of the state	
33.		12:01 pm Dec 9	businei		
34.		I	busineis		
35.		2:02 pm Dec 9	bu sineis		
36.		12:02 pm Dec 9	busineil		
37.		12:09pm Dec 9	no answer		
38.		12:09 pm Dec 9	Fax #		
39.		-12:10pm Dec 9	couldn't hear me		
40.		12:63pm Dec 9	busineis		

BIG BELL VALUE MENU

1/2 LB, CHEESY BEAN & RICE BURRITO

A warm flour tortilla loaded with hearty beans, seasoned rice, a blend of three cheeses, nacho cheese sauce, zesty sauce, and Fiesta Salsa.

GRANDE SOFT TACO

A soft taco filled with a double portion of seasoned ground beef, crisp, shredded lettuce and real cheddar cheese, wrapped in a second tortilla smothered in nacho cheese sauce.

1/2 LB. BEEF COMBO BURRITO

A warm flour tortilla loaded with a double portion of seasoned ground beef and filled with hearty beans, onions, cheddar cheese, and tangy red sauce.

SPICY CHICKEN SOFT TACO

A warm, soft, flour tortilla filled with shredded chicken that has been slow simmered in authentic Mexican spices, crisp, shredded lettuce, and Fiesta Salsa.

SPICY CHICKEN BURRITO

A warm, soft, flour tortilla wrapped around shredded chicken that has been slow simmered in authentic Mexican spices, seasoned rice, creamy Jalapeño sauce, and Fiesta Salsa.

1/2 LB. BEEF & POTATO BURRITO

A warm flour tortilla loaded with seasoned ground beef, golden potatoes, tangy red sauce, cool sour cream, and fresh green onions.

DOUBLE DECKER® TACO

A warm, soft, flour tortilla spread with hearty beans and wrapped around a crunchy, corn taco shell filled with seasoned ground beef, crisp, shredded lettuce, and real cheddar cheese. (You can also upgrade this item with marinated and grilled all-white-meat chicken or authentic carne asada steak.)

CARAMEL APPLE EMPANADA

A crispy golden pastry pocket filled with chunks of warm apples in creamy caramel sauce.

CHEESY FIESTA POTATOES

Golden potatoes topped with warm nacho cheese sauce, cool sour cream, and fresh green onions.

BURRITOS

BEAN BURRITO

A warm, soft, flour tortilla wrapped around hearty beans, real cheddar cheese, tangy red sauce and diced onions.

7-LAYER BURRITO

A warm, soft, flour tortilla wrapped around seasoned rice, hearty beans, a blend of three cheeses — cheddar, pepperjack and mozzarella — crisp, shredded lettuce, diced ripe tomatoes, cool sour cream, and chunky guacamole.

CHILI CHEESE BURRITO

A warm, soft, flour tortilla wrapped around hearty beef chili and real cheddar cheese, then melted to perfection. (Not available at all locations)

BURRITO SUPREME®

A warm, soft, flour tortilla wrapped around seasoned ground beef, hearty beans, tangy red sauce, crisp, shredded lettuce, real cheddar cheese, diced onions, diced ripe tomatoes, and cool sour cream. (You can also upgrade this item with marinated and grilled all-white-meat chicken or authentic carne asada steak.)

FIESTA BURRITO

A warm, soft, flour tortilla wrapped around seasoned ground beef, real cheddar cheese, seasoned rice, and Fiesta Salsa. (You can also upgrade this item with marinated and grilled all-white-meat chicken or authentic carne asada steak.)

GRILLED STUFT BURRITO

A large, warm, soft, flour tortilla wrapped around seasoned ground beef, hearty beans, seasoned rice, a blend of three cheeses — cheddar, pepperjack and mozzarella, creamy Pepper Jack sauce, and Fiesta Salsa, then grilled to perfection. (You can also upgrade this item with marinated and grilled all-white-meat chicken or authentic carne asada steak.)

NACHOS & SIDES

NACHOS

Crisp, freshly prepared tortilla chips served with warm nacho cheese sauce on the side.

NACHOS SUPREME

Crisp, freshly prepared tortilla chips covered with seasoned ground beef, hearty beans, warm nacho cheese sauce, diced ripe tomatoes, fresh green onions, and cool sour cream.

NACHOS BELLGRANDE®

A large platter of crisp, freshly prepared tortilla chips covered with hearty beans, seasoned ground beef, warm nacho cheese sauce, diced ripe tomatoes, fresh green onions, and cool sour cream.

PINTOS 'N CHEESE

Hearty beans, tangy red sauce, and real cheddar cheese.

MEXICAN RICE

Seasoned rice, tangy red sauce, cheddar cheese, and fresh green onions.

CINNAMON TWISTS

Crispy, puffed corn twists, sprinkled with cinnamon and sugar.

QUESADILLAS

CHICKEN QUESADILLA

Grilled and marinated all-white-meat chicken** combined with a blend of three melted cheeses — pepperjack, cheddar and mozzarella — and a creamy Jalapeño sauce all folded in a freshly toasted tortilla.

STEAK QUESADILLA

Authentic carne asada steak combined with a blend of three melted cheeses — pepperjack, cheddar and mozzarella — and a creamy Jalapeño sauce all folded in a freshly toasted tortilla.

BOWLS

ZESTY CHICKEN BORDER BOWL®

A bowl filled with seasoned rice, hearty beans, marinated and grilled all-white-meat chicken,** crisp, shredded lettuce, a blend of three cheeses — cheddar, pepperjack and mozzarella, crunchy red strips, Fiesta Salsa, and Zesty dressing on the side.

OUTHWEST STEAK BORDER BOWL®

A bowl filled with seasoned rice, hearty beans, authentic carne asada steak, a blend of three cheeses — cheddar, pepperjack and mozzarella, diced ripe tomatoes, fresh green onions, and creamy Jalapeño sauce.

CDC GROUP 2: TACO BELL FOOD ITEM STUDY -REVERSE PHONE DIRECTORY CONTROL QUESTIONNAIRE INSTRUCTIONS-

Please read this document completely before beginning your interviews.

Please document the State Lab ID (or other ID number if Lab ID not available) for the associated CASE on EACH page of the questionnaire. Please also label each control as A or B by circling A or B on EACH page of the questionnaire. "A" is the first control you obtain; "B" is the second control you obtain.

We are looking for controls who ate at a Taco Bell. You will be using the reverse phone directory (see brief directions below- ask if you have questions). Use the 3-paged control questionnaire until you have obtained 2 controls who ate at Taco Bell.

You will be asking the controls about their activities during the week of November 24, 2006 (the Friday after Thanksgiving), to November 30, 2006. Please read the script in italics.

Telephone Introduction:

"Hello, my name is Stephanie De Lorcand I am working with the MT State E of Health. We are investigating an outbreak of E. coli O157:H7 infections. In order to better State Department understand what caused these illnesses, we need to speak to people who are not ill in order to compare them to people who have been ill.

We are looking for households that have a person between the ages of 1 and 60 that ate at Taco Bell during the week of November 24-November 30, or full week following Thanksgiving. Did anyone in your household eat at Taco Bell during that week?" → If no, thank them and end the interview.

If yes, ask how many of in the household who at ate Taco Bell are between the ages of 1 and 60. If only one person in the household between the ages of 1 and 60 ate at Taco Bell, ask to speak to that person and proceed with the questionnaire (or if the person who answered the phone is the only person in the household that ate at Taco Bell, proceed with the questionnaire). If more than one person in the household ate at Taco religio Bell, proceed as below:

"In order to pick randomly from those in your household that ate at Taco Bell, we are looking to aspeak to the person who ate at Taco Bell with the most recent birthday. Can you identify that person and may I speak with him or her?" If it is that person proceed w/q ver hand it If someone else, ask for that person If not home, ask if I can call back

If the person with the most recent birthday is the person on the phone, then proceed with the questionnaire.

If it is someone else in the household, ask them if that person is available. If that person is not available, ask what them if there is a better time to call and if so note the time to call back and the phone number on a post-it note, and stick it on the questionnaire. If they still will not be available, thank them and move on to the next control. Do not use the person who answered the phone if they do not fulfill the birth date criteria.

"Would you be willing to answer some questions about this for us? It should only take about 5 minutes and your answers will remain confidential." (If they say they have no time now, ask if there is a valable better time to call and note the time to call back and the phone number on a post-it note, and stick it on the

better time to call and note the time to call back and the phone number on a post-it note, and stick it on the questionnaire).

"Did yed (or child if the control is the child) have diarrhea or abdominal cramping on or after November 1st?" If yes, "Thank you for your time, but we are looking for people who were not ill during this time."

/(If the patient is under 14 years old, interview parent. If the patient is 14 or older, ask for parental permission to interview, then interview the case directly).

b)(6)			

Care# PA

Escherichia coli O157:H7 Telephone Interviews

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Controls will be located by using the reverse address directory: Directions

Use the White Pages web site below

http://www.whitepages.com/10001/reverse_address

Click "Find Neighbors" (along top). Type in case-patient's home address, check "include surrounding area," and click "search." This will generate a list of neighborhood contacts. If the reverse address directory fails to generate any other addresses or fails to generate enough to obtain 2 controls, use the reverse phone directory at the following web site: http://www.whitepages.com/10001/reverse phone, using the case-patient's phone number.

Please see attached "Control Finding Instructions" before starting for more detailed instructions.

(p)(e)	No.	Phone	Time	Date	Response/Result (refused, not home,	Interview completed
	(b)(6)		7		busy)	•
			339	10/9/06	not home (x2)	
			1341		business	
			1343		No Taco Bell	
			1344		not home (2)	
5	;		345		not have (x2)	
6			3480		call atter 5	
(b)(6)			448		Jaco Bell but before	Theokssin's
			1450		not have (x2) -	
	.		1453		No Fo co Bell	
	0.		455		Not home	
	1.		1456		Not home	···
1	12.		1457		Not home	
1	13.		1458		wrong Phone #	***************************************
1	14.		1519		Nothome	
1	15.		52)		Not home	
1	16.		522		Not have	
1	17.		524		Not home	
1	18.		1526		Bresy	
1	19.		1529		No Toco Bell	···
2	20.		<u>1531</u>	<u></u>	No Toco Bell	
3)_		533	į	No Taco Bell	
þ	12.		535		No Taco Bell No Taco Bell No Taco Bell	
2	3.		1537	\	No Taco Bell	7
2	#		_	\bigvee		

jša-		Escherichia	a coli O157:H7 Tele	(D)(6)				
	Case state ID#:	PA 15		Case Telephone:				
	Case address: _(b)((6)		City <u>Wynnewood</u>	p 19096			
				State <u>PA</u> Zi	P			
		located by usin	ng the reverse address (directory:				
	<u>Directions</u>	White Pages web	site helow					
	httm://xxxx	ny whitenages c	om/10001/reverse addre	ess				
	Oliale WE	nd Maighborg'' (along ton) Type in case	e-patient's home addre	ss, check "include			
		ing area " and cl	ick "search" This will s	generate a list of neign	pornoou contacts.			
	If the rev	verse address dir	ectory fails to generate a	any other addresses or a	ving weh site:			
	enough to	o obtain 2 contro	ols, use the reverse phonom/10001/reverse phon	e unectory at the ronov	nt's phone			
	<u>http://ww</u> number.	/w.wnitepages.c	OHD FOUNT/TOVELSE PHOLE	To mirrie men france.	1			
	Please see attac	hed "Control F	inding Instructions" be	efore starting for mor	e detailed			
	instructions.				(K2)			
	Write in control n	umbers you have	attempted and indicate wh	ich ones you interviewed	Press			
	No.	Phone	Time Date	Response/Result	Interview			
				(refused, not home,	completed			
(6)	(b)(6)			busy)				
	1.		1053 12/9/06	nothere (X)				
	2.		10540 12/9/06	>60 (age)	*			
	3.		1101 10/9/06	not home (x2)	· · · · · · · · · · · · · · · · · · ·			
	4.		1103 12/9/06	> (e) (oge)				
	5.		1105	not homex?				
	6.		1107	not home (x2)				
	7.		1108	not home (not)				
	8we		<u>u 10</u>	not home 761				
	8. 50 me S		11111	<u>>60</u>	ves restan			
	10.		1115	responded	yes restain			
	11.		1123	refused,				
	12.		1125	not home/Note				
	13.		1120	call bock Cate often	·			
	14.		428 V	refused				
	15.		1130	not hone(x)				
	16.		1135	not home (x2)				
	17.		1136	not home (x2)	***************************************			
	I I		·	1 1 0 (x)				
	18.		<u>u 38_ V</u>	not home(x)				
	18. 19.		1140	>60 >60				

(b)(6)

(b)(6)

STATE PAIS

(2) = twice

ADDITIONAL CONTROL TRACKING SHEET

CASE STATE ID NUMBER	PA 15
01202 011112 20 210 210 210 210 210 210	

	No.	Phone T	ime	Date	Response/Result (refused, not home,	Interview completed
(b)(6)	21.	(b)(6)	3	12/9/06	busy) not home (x2)	
	22.		3		not have (x2)	
	23.		8		call afte 3	
	24.		<u>4</u>		busy relosed	Annual Control of the
	25.		. ــــاد		callafter2x	
	26.		2		not hore x2	
	27.		25		responded	yes-restourant
	28.		12		no Taco Bell	
	29.		5		not home (x2)	
	30.		4		not home I No Tow	Bell
	31.		1X		no Tago Bell	40-mail: 1-mail: 1-mai
	32.		<u>30</u> _		not home (x2)	
	33.		32_		nothone (x2)	
	34.		53_		not home No Fois	Se <u>ll</u>
	35.		34		wrong #	
	36.		6		not home pefuse	
	37.		37		not home (x2)	***************************************
	38.		12-		no Taco Bell	
	39.		13		busy	
	40.		44	\overline{V}	no taco Bell	V /V
•	41.		245	-	refused	
	42.		247	7-/	no Taco Bel	
	43.		24(8	5	not home (x) / Dove
	44.		124	9/	. no To-co Bel	e.

ID number (State Lab ID if available) NOVEMBER 2006E. COLI O157 OUT						<u></u>
Phone number						
Age Sex 🗆 M 🗇 F State _				County	City _	· · · · · · · · · · · · · · · · · · ·
nterviewer name Date of	ntervie	w		//2006		
Who was interviewed? Case Spous	e			Parent		
Stool specimen collection date:/ 200	6					
Case Status (please circle) Confirmed		obab	le			
First I will ask you some questions about your illn			-			
What is the date and time that you first began having		22				
, , , , ,					444 PA4	
Date of onset of diarrhea:/	/ 2	006		Time::	. AM PM	
What is the date and time that you first noticed sympton	ms oth	er th	an d	iarrhea (such as naus	ea, vomiting, ab	dominal cramps, fever):
Date of onset of other symptoms	/_		/ 200	6 Time:	: AM	PM
Are you a Taco Bell employee? (please circle)	Yes	3		No		
. SYMPTOMS AND SEVERITY OF ILLNESS. Now I	wiii as	к уо	u soi	me questions about	your symptom	s and limess.
Y ? N Did you have any of these symptoms?	Y	?	N			
A 🗍 🗍 🗍 Any Nausea?	G 🗖			Did you visit a health o	are provider for yo	our illness?
B □ □ □ Any Vomiting?	н 🗆			Did you visit an emerg	ency room for you	r illness?
C 🗖 🗖 Any Abdominal cramps?	/ 0			Were you hospitalized	_	
D	_			If yes, number of h Did you develop HUS		
E 🗍 🗍 🗍 Any Bloody diarrhea?	J 🗆			Did you develop nos		
F 🗍 🗍 🗍 Any Fever?	KO	0		Did the patient die?	Ales for your nines	55 !
II. <i>RESTAURANT EXPOSURES</i> . Now I will ask you answer these questions for the 7 days prior to the					e you may have	e eaten. Please
Y ? N						
A				(Specify stre	eet, city, state for	r each location)
B Did you eat at any Taco Bell?			11	f yes, Location		
						Date//2006
C						
Did you eat at any A & W All Amer		od?		yes, Location		Date//2006
E Did you eat at any Long John Silve	r's?			yes, Location	······································	Date//2006
F Did you eat at any Pizza Hut?				yes, Location		
G				yes, Location	***************************************	Date//2006
H Did you eat at Subway?				yes, Location		
Did you eat at Blimpies?	10		if y	es, Location		Date//2006
J Did you eat at any other restauran						
K D Did you have a dining companion?		_	. n.t.a - 1	number	ushiah raat	urant?
If yes, name 1.				t numbert		urant?aurant?
2						urant?
3		_ 0	ontac	r Hailingi	windii iesta	uiaiit!

Case Questionnaire

If yes, which dining companion (specify name)

1

III. TACO BELL EXPOSURES (ASK ABOUT THE 7 DAYS BEFORE ILLNESS ONSET). Which of the following menu items did you eat at Taco Bell? Please note the menu items you ate for all Taco Bell visits that you mentioned previously and how many of each menu item you ate. Please remember that many items can be ordered with beef, chicken, or steak. Please specify which meat you ate. If you made substitutions in your order, you will be able to specify this later in the questionnaire. If you cannot remember the name of the menu item you ate (mark "I don't remember" under Misc), you will be able to describe it later in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to your meal, please indicate that also (mark under Misc).

	7						.,		
Υ	?	N	Big Bell Value Menu	#	Υ	?	N	Chalupas	#
Α 🗖			1/2 lb cheesy bean & rice burrito grande soft taco		ΑО			chalupa supreme- ground beef (standard)	
в 🗖			1/2 lb beef combo burrito		в 🗖			chalupa supreme- chicken	
СП			spicy chicken soft taco		СП			chalupa supreme- steak/ carne asada	
D□			spicy chicken burrito		D□			chalupa baja- ground beef (standard)	
εО			1/2 lb beef & potato burrito		E O			chalupa baja- chicken	
F□			double decker taco- ground beef (standard)		F 🗖			chalupa baja- steak/ carne asada	
G 🎞			double decker taco- chicken		G 🛮			chalupa nacho cheese- ground beef (standard)	
н 🗇			double decker taco- steak/ carne asada		н 🗇			chalupa nacho cheese- chicken	
10			caramel apple empanada		10			chalupa nacho cheese- steak/ carne asada	,,,,,,,,,
J			cheesy fiesta potatoes					Nachos & Sides	
			Tacos		Α□			nachos	
ΑО			original taco (standard is ground beef)		вО			nachos supreme	
вО			taco supreme (standard is ground beef)		co		0	nachos bellgrande	
СП			soft taco (standard is ground beef)		D 🗖			pintos & cheese	
D 🗖	٥		ranchero chicken soft taco		ΕO			mexican rice	
ΕŪ			soft taco supreme- ground beef (standard)		F 🗇			cinnamon twists	
F 🗖		0	soft taco supreme- chicken					Specialties	
G□	О		soft taco supreme- steak/ carne asada		A 🗆			crunchwrap supreme	
н 🗂		0	grilled steak soft taco		в 🗖			mexican pizza	
			Burritos	and the second	СП			enchirito- ground beef (standard)	
ΑО			bean burrito		DO			enchirito- chicken	
вО			7 layer burrito		εO			enchirito- steak/ carne asada	
СП			chili cheese burrito		FO			meximelt- ground beef (standard)	
DO			burrito supreme- ground beef (standard)		G 🗇			meximelt- chicken	
E O			burrito supreme- chicken		но			meximelt- steak/ carne asada	
FO		0	burrito supreme- steak/ carne asada		10			fiesta taco salad- ground beef (standard)	
G 🗍			fiesta burrito- ground beef (standard)		JO			fiesta taco salad- chicken	
нО			fiesta burrito- chicken		κロ			fiesta taco salad- steak/ carne asada	
10			fiesta burrito- steak/ carne asada		LO			taco salad express- ground beef (standard)	
10	0		grilled stuffed burrito- ground beef (standard)		мо			taco salad express- chicken	
κ□			grilled stuffed burrito- chicken		NO			taco salad express- steak/ carne asada	
LO		0	grilled stuffed burrito- steak/ carne asada		00			mountain dew baja blast	
			Gorditas					Quesadillas	
ΑО			gordita supreme- ground beef (standard)		A 🗖			chicken quesadilla	
вО		o	gordita supreme- chicken		во			steak quesadilla	
СП			gordita supreme- steak/ carne asada					Bowls	
DO			gordita baja- ground beef (standard)		A O			zesty chicken border bowl	
EΟ			gordita baja- chicken		ВО			southwest steak border bowl	
FO			gordita baja- steak/ carne asada					Misc.	
GO			gordita nacho cheese- ground beef (standard)		A 🗆			Other	
н 🗇			gordita nacho cheese- chicken		ВП			Other	_
10			gordita nacho cheese- steak/ carne asada		СП			I don't remember	
	_	=			DO			I added a sauce to my meal (e.g., mild, hot, fire)	

ID number	(State	Lab	ID	if	available)
-----------	--------	-----	----	----	-----------	---

Υ	?	N	ORDER SUBSTITUTIONS			······································	
Α 🗇		□	Did you specialize your order (for example				
			which specific menu item you ordered an	d state ho	ow you specialized your order f	for each me	enu item.
Name	of me	enu	1.	2		3	
item:			☐ Hold tomatoes	0	Hold tomatoes		Hold tomatoes
			☐ Hold lettuce	0	Hold lettuce		Hold lettuce
			☐ Hold beef		Hold beef		Hold beef
			☐ Hold chicken		Hold chicken		Hold chicken
			☐ Hold cheese		Hold cheese		Hold cheese
			☐ Hold sour cream		Hold sour cream		Hold sour cream
			☐ Hold any onions		Hold any onions		Hold any onions
			☐ Hold white onions		Hold white onions		Hold white onions
			☐ Hold green onions		Hold green onions		Hold green onions
			☐ Hold olives	o	Hold olives		Hold olives
			☐ Substitute beans for meat		Substitute beans for meat		Substitute beans for meat
			☐ Hold sauce (specify type)	0	Hold sauce (specify type)		Hold sauce (specify type)
			☐ Other		Other	٥	Other
			IF YOU CANNOT REMEMBER OR DO I	NOT KNO	OW THE MENU ITEM, answer	both sets	of questions below:
Υ	?	N	If you cannot remember what menu item	you orde	red, do you know if you ordere	d:	
ΑП			A Taco?				
в 🗖			A Burrito?				
СП			A Quesadilla?				
D 🗖			A Salad?				
E 🗆			Nachos?				
F 🗆			Other (ex., gordita, chalupa, etc)	Describe	9		neonie na maria de la compania del compania del compania de la compania del la compania de la della compania de
			If you cannot remember what menu item	(s) you or	dered, did any of your menu ite	ems contai	n (check all that apply):
Υ	?	N					
G 🗖			Tomatoes				
н 🗆			Lettuce				
<i>i</i> 🗇			Ground beef				
J 🗖			Chicken				
к 🗇			Sour Cream				
L O			Cheese				
м□			Beans				
N O			Green onions				
0 🗖			White onions				
P 🗖			Any onions				
Q 🗖			Steak				
R 🗖			Olives				
s 🗖			Sauce (ex., mild, hot, fire)				
T O			Other (specify)				

PLEASE FAX ALL COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

Case Questionnaire

CDC GROUP 2: TACO BELL FOOD ITEM STUDY -REVERSE PHONE DIRECTORY CONTROL QUESTIONNAIRE INSTRUCTIONS-

Please read this document completely before beginning your interviews.

Please document the State Lab ID (or other ID number if Lab ID not available) for the associated CASE on EACH page of the questionnaire. Please also label each control as A or B by circling A or B on EACH page of the questionnaire. "A" is the first control you obtain; "B" is the second control you obtain.

We are looking for controls who ate at a Taco Bell. You will be using the reverse phone directory (see brief directions below- ask if you have questions). Use the 3-paged control questionnaire until you have obtained 2 controls who ate at Taco Bell.

You will be asking the controls about their activities during the week of November 24, 2006 (the Friday after Thanksgiving), to November 30, 2006. Please read the script in italics.

Telephone Introduction:		
"Hello, my name is	, and I am working with the	State Department
	n outbreak of E. coli O157:H7 infections. In o	rder to better
understand what caused these ill	inesses, we need to speak to people who are	not ill in order to
compare them to people who have	ve been ill.	

We are looking for households that have a person between the ages of 1 and 60 that ate at Taco Bell during the week of November 24-November 30, or full week following Thanksgiving. Did anyone in your household eat at Taco Bell during that week?" → If no, thank them and end the interview.

If yes, ask how many of in the household who at ate Taco Bell are between the ages of 1 and 60. If only one person in the household between the ages of 1 and 60 ate at Taco Bell, ask to speak to that person and proceed with the questionnaire (or if the person who answered the phone is the only person in the household that ate at Taco Bell, proceed with the questionnaire). If more than one person in the household ate at Taco Bell, proceed as below:

"In order to pick randomly from those in your household that ate at Taco Bell, we are looking to speak to the person who ate at Taco Bell with the most recent birthday. Can you identify that person and may I speak with him or her?"

If the person with the most recent birthday is the person on the phone, then proceed with the questionnaire. If it is someone else in the household, ask them if that person is available. If that person is not available, ask them if there is a better time to call and if so note the time to call back and the phone number on a post-it note, and stick it on the questionnaire. If they still will not be available, thank them and move on to the next control. Do not use the person who answered the phone if they do not fulfill the birth date criteria.

"Would you be willing to answer some questions about this for us? It should only take about 5 minutes and your answers will remain confidential." (If they say they have no time now, ask if there is a better time to call and note the time to call back and the phone number on a post-it note, and stick it on the questionnaire).

"Did you (or child if the control is the child) have diarrhea or abdominal cramping on or after November 1st?" If yes, "Thank you for your time, but we are looking for people who were not ill during this time."

(If the patient is under 14 years old, interview parent. If the patient is 14 or older, ask for parental permission to interview, then interview the case directly).



log,

Escherichia coli O157:H7 Telephone Interviews

Taco Bell nonnaire

		VALUE OF STREET STREET, STREET	
Case state ID#:	PA 36.	Case Telephone: (b)(6)	
Case address: (b)(6)		City Philadelphia	
		State PA Zip 19122	

Controls will be located by using the reverse address directory:

Directions

Use the White Pages web site below http://www.whitepages.com/10001/reverse_address

Click "Find Neighbors" (along top). Type in case-patient's home address, check "include surrounding area," and click "search." This will generate a list of neighborhood contacts. If the reverse address directory fails to generate any other addresses or fails to generate enough to obtain 2 controls, use the reverse phone directory at the following web site: http://www.whitepages.com/10001/reverse_phone, using the case-patient's phone number.

Please see attached "Control Finding Instructions" before starting for more detailed instructions.

No.	Phone	Time	Date	Response/Result	Interview
				(refused, not home,	completed
	(b)(6)			busy)	
i.		250pm	12/9/00	No anower	MO
2.			12/9/02	No answer	NO
3.		252 pm	12/9/00	Not home (mach)	_NO
4.		253 m	12/9/00	Not have (much)	No
5.		291 m	12/19/02	Not home (marie)	MO_
6.		295000	12/9/04	No one eligible	40
7.		-0.4	12/0/04	No one charte	NO
8.		30m	12/2/02	Not home (ans)	NO
9.		3000	19/12	Not have (ano)	No
⊯ 10.		302 pm	n 12/9/06	Busy	No
11.		302 pm	1219 100	not in Service	NO
12.		` _ ` _	1219/12	No one ate @ Taco Bell	NO
13.		305 pm	12/9/02	No answer	110
14.		30km		Refused	NO
≯ 15.		397 pm		Bourry	NO
16.		308pm	12/9/06	No one at & Taco Bell	NO
17.		30pm	12/9/00	Net home (ans week)	NO
18.		3"gm	12/9/04	Not home (ansmar)	No .
19.		33°m	1219/06	Interviewed	NO (had diarrhear)
20.		324pm	12/9/Op	Ner one of @ TaGo Bell	NO_

ID number (State Lab ID if available)	Control A B (circle)									
NOVEMBER 2006E. COLI 0157 OUTBREAM	K-CONTROL QUESTIONNAIRE Verbal consent from									
	mother									
Control Phone number (25)										
Method of control selection (please circle) Dining Con	empanion Other Taco Bell diner Reverse directory									
Age 17 Sex DM SLF State PA	County Philadelphia City Philadelphia									
	N \$12/ 9 /2006									
	N 431-7 1 72000									
Who was interviewed? Control Parent Parent										
Have you been ill with vomiting or diarrhea since November 1st	st? (Yes) No (If Yes, thank participant and end interview).									
Are you a Taco Bell employee? (please circle) Yes	No									
, , , , , , , , , , , , , , , , , , , ,										
I DESTAUDANT EVROSURES Now I will ask you some ou	uestions about places where you may have eaten. Please									
I. RESTAURANT EXPOSURES. Now I will ask you some questions about places where you may have eaten. Please answer these questions for the 7 days prior to//2006 (fill in case illness onset date)										
Y ? N										
A Did you eat at any restaurants?If-no, end in	interview (Specify street, city, state for each location)									
B D Did you eat at any Taco Bell?	If yes, LocationDate//2006									
	Date//2006									
C □ □ □ Did you eat at any Kentucky Fried Chicken (I	(KFC)? If yes, LocationDate/_/2006									
Did you eat at any A & W All American Food	d? If yes, LocationDate/_/2006									
E	If yes, LocationDate//2006									
F 🔲 🔲 Did you eat at any Pizza Hut?	If yes, LocationDate//2006									
G 🗆 🗖 Did you eat at McDonalds?	If yes, Location Date//2006									
H □ □ □ Did you eat at Subway?	If yes, LocationDate//2006									
Did you eat at Blimpies?	If yes, Location Date //2006									
J Did you eat at any other restaurant?										
If the control did not eat at Taco Bell, please end interview	w.									
	•									
II TACO BELL EXPOSURES. Which of the following men	nu items did you eat at Taco Bell? Please note the menu items you									
ate for all Taco Bell visits and how many of each menu ite	em you ate. Please remember that many items can be ordered with									
beef, chicken, or steak. Please specify which meat you at	ite. If you made substitutions in your order, you will be able to									
specify this later in the questionnaire. If you cannot reme	ember the name of the menu item you ate (<i>please mark "I don't</i> ter in the questionnaire. If you added a sauce (e.g., mild, hot, fire) to									
your meal, please indicate that as well (mark under Misc).										
Y ? N Big Bell Value Menu	# Y ? N Chalupas #									
A 🗍 🗍 🗂 1/2 lb cheesy bean & rice burrito grande soft taco	A □ □ □ chalupa supreme- ground beef (standard)									
B	B 🔲 🔲 chalupa supreme- chicken									
C □ □ spicy chicken soft taco	c d d chalupa supreme- steak/ carne asada									
D	D									
E	_ E O O chalupa baja- chicken _									
F double decker taco- ground beef (standard)	F □ □ chalupa baja- steak/ carne asada									
G	G									
H 🔲 🔲 double decker taco- steak/ carne asada	H 🔲 🔲 challupa nacho cheese- chicken									
caramel apple empanada	/ 🔲 🔘 chalupa nacho cheese- steak/ carne asada									
J □ □ cheesy fiesta potatoes	1									
Control Questionnaire	1									

ID number	(Sta	nte Lab ID if available)				Control	Α	В	(circle)	
Y ?	N	ORDER SUBSTITUTIONS								
A 0 0		Did you specialize your order (for example, did you ask for no sour cream, no tomatoes, no beef, substitute beans, etc.). If yes, state								
which specific menu item you ordered and state how you specialized your order for each menu item.										
Name of me	nu	1 2.			3				•	
item:		☐ Hold tomatoes		Hold tomatoes		Hold tomato	es			
		☐ Hold lettuce		Hold lettuce		Hold lettuce				
		☐ Hold beef		Hold beef		Hold beef				
		☐ Hold chicken		Hold chicken		Hold chicke	en			
		☐ Hold cheese		Hold cheese		Hold chees	е			
		☐ Hold sour cream		Hold sour cream		Hold sour cr	eam			
		☐ Hold any onions		Hold any onions		Hold any on	ions			
		☐ Hold white onions		Hold white onions	O	Hold white	onions			
		☐ Hold green onions		Hold green onions	0	Hold green	onions			
		☐ Hold olives		Hold olives		Hold olives				
		☐ Substitute beans for meat		Substitute beans for meat		Substitute b	eans for	meat		
		☐ Hold sauce (specify type)	🗆	Hold sauce (specify type)		Hold sauce (specify ty	pe)	····	
		☐ Other		Other		Other				
IF YOU CANNOT REMEMBER OR DO NOT KNOW THE MENU ITEM, answer both sets of questions below:										
Υ ?	N	If you cannot remember what menu item you	orde	red, do you know if you ordere	ed:					
A 🗇 🗇		A Taco?								
B 🗆 🗆		A Burrito?								
co o		A Quesadilla?								
		A Salad?								
E 0 0		Nachos?								
F 0 0		Other (ex., gordita, chalupa, etc) Describe								
	If you cannot remember what menu item(s) you ordered, did any of your menu items contain (check all that apply):									
Υ?	N									
G 🗆 🗆		Tomatoes								
HO O		Lettuce								
100		Ground beef								
100		Chicken								
KO O		Sour Cream		•						
r 0 0		Cheese								
моо		Beans								
N D D		Green onions								
000		White onions								
P 🗆 🗇		Any onions								
Q 🗖 🗖		Steak								
R O O		Olives								
s 🖸 🚨		Sauce (ex., mild, hot, fire)								

PLEASE FAX ALL COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

Other (specify)

Control Questionnaire 3

MZ

Escherichia coli O157:H7 Telephone Interviews

Case state ID#: PA 36	Case Telephone: (b)(6)
Case address: (b)(6)	City Philadelphia
	State PA Zip 19122

Controls will be located by using the reverse address directory: Directions

Use the White Pages web site below

http://www.whitepages.com/10001/reverse_address

Click "Find Neighbors" (along top). Type in case-patient's home address, check "include surrounding area," and click "search." This will generate a list of neighborhood contacts. If the reverse address directory fails to generate any other addresses or fails to generate enough to obtain 2 controls, use the reverse phone directory at the following web site: http://www.whitepages.com/10001/reverse phone, using the case-patient's phone number.

Please see attached "Control Finding Instructions" before starting for more detailed instructions.

Write in control numbers you have attempted and indicate which ones you interviewed please

No.	Phone	Time	Date	Response/Result	Interview
				(refused, not home,	completed
	(b)(6)			busy)	
1.		315 m	12/9/06	Not home (ans. L)	40
2.		326 pm	12/9/2	No one all @ Taco Bell	No
3.		328 pm	rigion	No one at @ Taco Bell	<u>NO</u>
4.		32 pm	12/9/04	No answer	<u>NO</u>
5.		331 m	12/9/00	No one ste @ Taco Bell	NO
6.		332m	12/9/02	No home (mein)	NO
(1.)		349 pm	12/9/06	Brung	M)
8.		30-on	12/9/06	Not have (mech)	NO
9.			12/9/06	Bury	NO
10.		351/200	2/9/02	No one leliable	No
11.		35 pm	12/9/2	Not home (much)	<u> </u>
12.					
13.	***************************************	<u> </u>			
14.	annover				
15.					
16.					
17.			·	***************************************	
18.				444444444444444444444444444444444444444	,
19.		······································			
20.			-		

ID number (State Lab ID if available) NOVEMBER 2006E. COLI O157 OUTBREAK- O	
HOAFINDELL FOOD TO COLOUR THE TANK	
Control Phone number	_
Method of control selection (please circle) Dining Compar	nion Other Taco Bell diner Reverse directory
Age Sex DM DF State	County City
Interviewer name Date of interview	
Who was interviewed? Control Parent	
Have you been ill with vomiting or diarrhea since November 1 st ?	Yes No (If Yes, thank participant and end interview).
Are you a Taco Bell employee? (please circle) Yes	No
	,
I. RESTAURANT EXPOSURES. Now I will ask you some questions answer these questions for the 7 days prior to//200	ons about places where you may nave eaten. Please (6) (fill in case illness onset date)
Y ? N	
A 🔲 🔲 Did you eat at any restaurants?- If no, end interview	ew (Specify street, city, state for each location)
B □ □ □ Did you eat at any Taco Bell?	If yes, LocationDate//2006
	Date//2006
C 🗖 🗇 Did you eat at any Kentucky Fried Chicken (KFC)	? If yes, Location Date//2006
D Did you eat at any A & W All American Food?	If yes, LocationDate//2006
E □ □ □ Did you eat at any Long John Silver's?	If yes, LocationDate//2006
F 🗍 🗍 💮 Did you eat at any Pizza Hut?	If yes, LocationDate//2006
G □ □ □ Did you eat at McDonalds?	If yes, LocationDate//2006
H □ □ □ Did you eat at Subway?	If yes, LocationDate//2006
/ 🔲 🗇 Did you eat at Blimpies?	If yes, LocationDate//2006
J 🔲 🔲 Did you eat at any other restaurant?	
If the control did not eat at Taco Bell, please end interview.	
	•
II. TACO BELL EXPOSURES. Which of the following menu iter	
ate for all Taco Bell visits and how many of each menu item yo beef, chicken, or steak. Please specify which meat you ate. If	
specify this later in the questionnaire. If you cannot remembe	r the name of the menu item you ate (please mark "I don't
remember" under Misc), you will be able to describe it later in	the questionnaire. If you added a sauce (e.g., mild, hot, fire) to
your meal, please indicate that as well (mark under Misc).	
Y ? N Big Bell Value Menu #	Y ? N Chalupas #
A	A Chalupa supreme- ground beef (standard)
B	B
C D D spicy chicken soft taco	C
D D D spicy chicken burrito	D Chalupa baja- ground beef (standard)
E	E 🗆 🗅 chalupa baja- chicken
F	F 🔲 🔘 chalupa baja- steak/ carne asada

G 🗖

H

chalupa nacho cheese- ground beef (standard)

chalupa nacho cheese- steak/ carne asada

chalupa nacho cheese- chicken

0 0 Control Questionnaire

double decker taco- ground beef (standard)

double decker taco- steak/ carne asada

double decker taco- chicken

caramel apple empanada

cheesy fiesta potatoes

F 🛛 🗇 🗇

G 🗖

1 0

J

ID nu	mber	(Sta	ate Lab ID if available)				Control	A	В	(circle)
Υ	?	N	ORDER SUBSTITUTIONS							
A 🗇			Did you specialize your order (for example					te beans,	etc.).	If yes, state
			which specific menu item you ordered and	state h	ow you specialized your order	for each me	enu item.			
Name	of me	enu	1.	2		3		·		*
item:			☐ Hold tomatoes		Hold tomatoes		Hold tomator	es		
			☐ Hold lettuce		Hold lettuce		Hold lettuce			
			☐ Hold beef		Hold beef		Hold beef			
			☐ Hold chicken		Hold chicken		Hold chicke	n		
			☐ Hold cheese		Hold cheese		Hold chees	9		
			☐ Hold sour cream		Hold sour cream		Hold sour cr	eam		
			☐ Hold any onions		Hold any onions		Hold any on	ions		
			☐ Hold white onions		Hold white onions		Hold white o	nions		
			☐ Hold green onions		Hold green onions		Hold green	onìons		
			☐ Hold olives		Hold olives		Hold olives			
			☐ Substitute beans for meat		Substitute beans for meat		Substitute b	eans for	meat	
			☐ Hold sauce (specify type)	0	Hold sauce (specify type)_		Hold sauce (s	specify ty	pe)	
			☐ Other		Other		Other		-	
			IF YOU CANNOT REMEMBER OR DO NO	T KNO	OW THE MENU ITEM, answe	r both sets	of questions	below:		
Υ	?	N	If you cannot remember what menu item ye	ou orde	red, do you know if you ordere	ed:				
ΑО			A Taco?							
вП			A Burrito?							
СП			A Quesadilla?							
DO			A Salad?							
E O			Nachos?							
F 🗖			Other (ex., gordita, chalupa, etc))escrib	3					
			If you cannot remember what menu item(s	you o	rdered, did any of your menu it	tems contair	n (check all th	at apply):		
Υ	?	N								
G 🛮			Tomatoes							
н 🗖			Lettuce							
/ 🗇			Ground beef							
J			Chicken							
κП			Sour Cream		•					
LO			Cheese							
м 🗆			Beans							
N□			Green onions							
0 🗆			White onions							
P			Any onions							
QD			Steak							
R 🗖			Olives							
s 🗇			Sauce (ex., mild, hot, fire)							
	_	_	Otto (

PLEASE FAX ALL COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

Control Questionnaire 3

Escherichia coli O157:H7 Telephone Interviews

Case state ID#: PA Ø4	Case Telephone: (b)(6)	
Case address: (b)(6)	City Schwenksville	
	State PA Zip 19473	

Controls will be located by using the reverse address directory:

Directions

Use the White Pages web site below http://www.whitepages.com/10001/reverse_address

Click "Find Neighbors" (along top). Type in case-patient's home address, check "include surrounding area," and click "search." This will generate a list of neighborhood contacts. If the reverse address directory fails to generate any other addresses or fails to generate enough to obtain 2 controls, use the reverse phone directory at the following web site: http://www.whitepages.com/10001/reverse_phone, using the case-patient's phone number.

Please see attached "Control Finding Instructions" before starting for more detailed instructions.

Write in control numbers you have attempted and indicate which ones you interviewed p	lease
---	-------

No.	Phone	Time	Date	Response/Result	Interview
				(refused, not home,	completed
	(T)(Z)	· ¬	in in	busy)	
1.	(b)(6)	3:18	10/12/06	Not home	No
2.		3:19	rol12/06 12/10	Refused	No
3.		3:21	10/12/06 12/10	1 1011-	No
4.		322	10/12/06/2/10	Not Home	No
5.		3:23	10/12/06 12/10	Refused	No
6.		3:24	10/12/06-12/10	Not home	No
7.		3.25	tot- 12/10	Not home	No
8.		3:26	12/10	Hung up / Refused	No
9.		3:28	12/10	Doesn'teat TB	No
10.		3:29	12/10	Not home	No
11.		3:30	12/10	Disconnected #	Wo
12.		3:31	12/10	<u>Case</u>	<u>Vo</u>
13.		3:32	12/10	Refused	No
14.		3:34	12/10	Kut home	No
15.		3:35	12/10	# isconnected #	No
16.		3:36	12/10	Not home	NO
17.		3:37	12/10	Refused	<u>00</u>
18.		3:37	12/10	Refusel	190
19.		3.39	12/10	No answer	No
20.		3:44	12/10	DidnithaveTB	No.

STATE PA

ADDITIONAL CONTROL TRACKING SHEET

	DA ~	
CASE STATE ID NUMBER	1H Ø4	

Write in control numbers you have attempted and indicate which ones you interviewed please

No.	Phone	Time	Date	Response/Result	Interview
1	(b)(6)	1		(refused, not home,	completed
21.	(4)	3:46	12/10	Refuse d	No
22.		3:52	12/10	Didn'thave TB	No
23.		3.55	12/10	Didn't have TB	Do.
24.					·····
25.		***************************************			
26.					
27.					•
28.					
29.		***************************************			***************************************
30.					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
31.	. , •			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
32.		***************************************			
33.					,
34.		***************************************			
35.		***************************************			
36.					***************************************
37.		***			
38.					
39.					-
40.					
			-	***************************************	

∖ ge	control se	perelection (please circle) Dining Compa	anion	Ot	her T	aco Bell diner	Reverse directory	
		 . OM OF	State	С	ounty		Cit	y	
						:006		4 manuscriptoramentoramentoramentoramentoramentoramentoramentoramentoramentoramentoramentoramentoramentoramento	
			Date of interview			.000			
Vho was ir	nterviewed?	Control	Parent	_					
łave you t	een ill with	vomiting or diarrhea si	nce November 1 st ?	Yes		N	o (If Yes, thank	participant and end interv	iew)
∖re you a ¹	Γaco Bell en	nployee? (please circle) Yes	No)				
inswer the	ese questio	OSURES. Now I will a	isk you some quest or to//20	tions al	oout pl	aces e illn	where you may he	ave eaten. Please	
Υ ?	N								
		Did you eat at any restau						city, state for each location,	
		Did you eat at any Taco E	Bell?	If ye	s, Locat	ion			
	_								
		Did you eat at any Kentuc	-						
0 0		Did you eat at any A & W							
0 0		Did you eat at any Long J		•	-				
		Did you eat at any Pizza		•					
		Did you eat at McDonalds	5 <i>?</i>	-					
		Did you eat at Subway? Did you eat at Blimpies?		-				Date//20	
		Did you eat at any other r	actaurant?	ıı yes,	Locatio	i i		Date/20	,00
	Lu3								
00		eat at Taco Bell, plea							
I. TACO Bate for all coef, chick specify thiremember	FELL EXPO Taco Bell v ken, or stea is later in the	SURES. Which of the risits and how many c ak. Please specify wh he questionnaire. If y	e following menu ite of each menu item y iich meat you ate. ou cannot rememb o describe it later ir	ou ate. If you n er the r	Pleas nade s name c	e ren ubsti of the	nember that many itutions in your ord menu item you at	note the menu items you items can be ordered wi der, you will be able to e (<i>please mark "I don't</i> hauce (e.g., mild, hot, fire	ith
f the cont I. TACO B ate for all beef, chick specify this	ELL EXPO Taco Bell v ken, or stea is later in th " under Mi , please inc	SURES. Which of the risits and how many c ak. Please specify wh he questionnaire. If y sc), you will be able to	e following menu ite of each menu item y iich meat you ate. ou cannot rememb o describe it later ir	rou ate. If you n er the r n the qu	Pleas nade s name c	e ren ubsti of the	nember that many itutions in your ord menu item you at	items can be ordered wi der, you will be able to e (<i>please mark "I don't</i>	ith
TACO B te for all beef, chick pecify this emember our meal,	ELL EXPO Taco Bell vicen, or stead is later in the search of the search	SURES. Which of the risits and how many cak. Please specify when the questionnaire. If yeso), you will be able to dicate that as well (ma	e following menu ite of each menu item y ich meat you ate. I ou cannot rememb o describe it later in ork under Misc).	rou ate. If you n er the r n the qu	Pleas nade s name d uestion	e ren ubsti of the nnaire N	nember that many itutions in your ord menu item you at e. If you added a s	items can be ordered wi der, you will be able to e (<i>please mark "I don't</i>	ith e) to
TACO B te for all eef, chick pecify this emember our meal,	ELL EXPO Taco Bell v ken, or stea is later in ti " under Mia , please inc	SURES. Which of the risits and how many cak. Please specify when the questionnaire. If y sc), you will be able to dicate that as well (material value Menu	e following menu ite of each menu item y ich meat you ate. I ou cannot rememb o describe it later in ork under Misc).	rou ate. If you n er the r n the qu	Pleas nade s name cuestion	e renubstiof the number of the N	nember that many itutions in your ord menu item you at e. If you added a s	items can be ordered wider, you will be able to e (please mark "I don't auce (e.g., mild, hot, fire	ith e) to
TACO B te for all eef, chick pecify this emember our meal,	ELL EXPO Taco Bell v ken, or stea is later in th " under Mi , please inc N Big E	SURES. Which of the risits and how many cak. Please specify when the questionnaire. If y sc), you will be able to dicate that as well (matches) bean & rice burrite	e following menu ite of each menu item y ich meat you ate. I ou cannot rememb o describe it later in ork under Misc).	rou ate. If you n er the r n the qu	Pleas nade s name cuestion	e renubstiof the number of the	nember that many stutions in your ord menu item you at e. If you added a second chalupas chalupa supreme- gr	items can be ordered wider, you will be able to e (please mark "I don't tauce (e.g., mild, hot, fire cound beef (standard)	ith e) to
TACO B te for all eef, chick pecify this emember our meal,	ELL EXPO Taco Bell v ken, or stea is later in th " under Mil. please inc N Big E 1/2 lb 1/2 lb	SURES. Which of the risits and how many oak. Please specify when the questionnaire. If y sc), you will be able to dicate that as well (massell Value Menu cheesy bean & rice burrito beef combo burrito	e following menu ite of each menu item y ich meat you ate. I ou cannot rememb o describe it later in ork under Misc).	rou ate. If you n er the r n the qu	Pleas nade s name cuestion Y ?	e renubstiof the number of the	nember that many stutions in your ord menu item you at a set. If you added a set that the chalupas chalupa supreme- grand chalupa supreme- cha	items can be ordered wider, you will be able to e (please mark "I don't auce (e.g., mild, hot, fire ound beef (standard) nicken eak/ carne asada	ith e) to
TACO B te for all eef, chick emember our meal,	ELL EXPO Taco Bell v ken, or stea is later in th " under Mi please inc N Big E 1/2 lb 1/2 lb spicy of spicy of 1/2 lb	SURES. Which of the risits and how many cak. Please specify white questionnaire. If y sc), you will be able to dicate that as well (managed) which will be able to dicate that as well (managed) which we have been as the combo burrito chicken soft taco	e following menu ite of each menu item y ich meat you ate. I ou cannot rememb o describe it later in ork under Misc).	rou ate. If you n er the r n the qu	Pleas nade s name cuestion Y ?	e renubsti	tutions in your ord menu item you at e. If you added a s Chalupas chalupa supreme- chalupa supreme- chalupa supreme- st chalupa baja- ground chalupa baja- chicke	items can be ordered wider, you will be able to e (please mark "I don't nauce (e.g., mild, hot, fire cound beef (standard) nicken eak/ carne asada di beef (standard) n	ith e) to
TACO B te for all eef, chick pecify this emember our meal,	ELL EXPO Taco Bell v ken, or stea is later in ti " under Mi , please inc N Big E 1/2 lb 1/2 lb 1/2 lb spicy of 1/2 lb double	SURES. Which of the risits and how many cak. Please specify where questionnaire. If y sc), you will be able to dicate that as well (material cheesy bean & rice burrito beef combo burrito chicken soft taco chicken burrito	e following menu ite of each menu item y ich meat you ate. I ou cannot rememb o describe it later in ork under Misc). # o grande soft taco	rou ate. If you ner the ron the quantities A B C D	Pleas nade s name cuestion Y ? O O O O O O	e renubsti	tutions in your ord menu item you at e. If you added a s Chalupas chalupa supreme- gr chalupa supreme- chalupa supreme- st chalupa baja- ground chalupa baja- chicke chalupa baja- steak/	items can be ordered wider, you will be able to e (please mark "I don't auce (e.g., mild, hot, fire ound beef (standard) nicken eak/ carne asada d beef (standard) n carne asada	ith e) to
TACO B te for all leef, chick pecify this emember our meal,	ELL EXPO Taco Bell v ken, or stea is later in ti " under Mi " please inc N Big E 1/2 lb 1/2 lb 1/2 lb spicy 1/2 lb double double	SURES. Which of the risits and how many on the Please specify white questionnaire. If yesc), you will be able to dicate that as well (matter that as well (matter) beef combo burrito chicken soft taco chicken burrito beef & potato burrito be decker taco- ground beef a decker taco- chicken	e following menu ite of each menu item y ich meat you ate. I ou cannot rememb o describe it later in ork under Misc). # o grande soft taco	ou ate. If you in er the rin the quantities of t	Pleas nade s name cuestion Y ? O O O O O O O	e ren ubsti of the enaire	chalupa supreme- st chalupa supreme- st chalupa baja- chicke chalupa baja- steak/ chalupa nacho chees	items can be ordered wider, you will be able to e (please mark "I don't auce (e.g., mild, hot, fire ound beef (standard) nicken eak/ carne asada d beef (standard) n carne asada se- ground beef (standard)	ith e) to
f the cont	FELL EXPO Taco Bell v ken, or stea is later in th " under Mil. please inc N Big E 1/2 lb 1/2 lb spicy of spicy of 1/2 lb double double double	SURES. Which of the risits and how many cak. Please specify when the questionnaire. If y sc), you will be able to dicate that as well (managed) when the combo burrito beef combo burrito chicken soft taco chicken burrito beef & potato burrito edecker taco- ground beef decker taco-	e following menu ite of each menu item y ich meat you ate. I ou cannot rememb o describe it later in ork under Misc). # o grande soft taco	rou ate. If you in er the rin the quantities of	Pleas nade s name cuestion Y ? O O O O O O O	e renubsti	chalupa supreme- st chalupa baja- chicke chalupa nacho chees chees chalupa nacho chees chalupa nacho chees chalupa nacho chees	items can be ordered wider, you will be able to e (please mark "I don't auce (e.g., mild, hot, fire ound beef (standard) nicken eak/ carne asada d beef (standard) n carne asada se- ground beef (standard)	ith e) t

Control

B (circle)

ID number (State Lab ID if available)____

Control Questionnaire

ID nu	mber	(Sta	ate Lab ID if available)				Control	A	B	(circle)
Υ	?	N	ORDER SUBSTITUTIONS							
A 🗇			Did you specialize your order (for example	e, did yo	u ask for no sour cream, no to	matoes, no	beef, substitul	e beans,	etc.).	If yes, state
			which specific menu item you ordered and	i state h	ow you specialized your order	for each me	enu item.			
Name	of me	nu	1.	2		3				
item:			☐ Hold tomatoes		Hold tomatoes		Hold tomator	es		
			☐ Hold lettuce		Hold lettuce		Hold lettuce			
			☐ Hold beef		Hold beef		Hold beef			
			☐ Hold chicken		Hold chicken		Hold chicke	វា		
			☐ Hold cheese	a	Hold cheese		Hold cheese	9		
			Hold sour cream		Hold sour cream		Hold sour cre	eam		
			Hold any onions		Hold any onions		Hold any on	ions		
			Hold white onions		Hold white onions		Hold white o	nions		
			☐ Hold green onions		Hold green onions		Hold green	onions		A
			☐ Hold ofives		Hold olives		Hold olives			
			☐ Substitute beans for meat		Substitute beans for meat		Substitute b	eans for	meat	
			☐ Hold sauce (specify type)	0	Hold sauce (specify type)_		Hold sauce (s	specify ty	oe)	
			☐ Other		Other	0	Other			
			IF YOU CANNOT REMEMBER OR DO N	IOT KNO	OW THE MENU ITEM, answe	r both sets	of questions	below:		
Υ	?	N	If you cannot remember what menu item	you orde	red, do you know if you ordere	∍d:				
ΑП			A Taco?							
вО			A Burrito?					٠		
СП			A Quesadilla?							
DO			A Salad?							
E O			Nachos?							
FO			Other (ex., gordita, chalupa, etc)	Describ	9		·			
			If you cannot remember what menu item(s) you o	dered, did any of your menu i	tems contai	n (check all th	at apply):		
Υ	?	N								
G□			Tomatoes							
нП			Lettuce .							
10			Ground beef							
10			Chicken							ĺ
κ□			Sour Cream							
L 0			Cheese							
мО			Beans							
NO			Green onions							
0 🗖			White onions							
PO			Any onions							
Q 🗖			Steak							
RO			Olives							
s o			Sauce (ex., mild, hot, fire)							
TO			Other (specify)		· · · · · · · · · · · · · · · · · · ·					

PLEASE FAX ALL COMPLETED QUESTIONNAIRES TO (404) 639-2205, ATTN: SAMIR SODHA

Multi-state E. coli O157 / Taco Bell Outbreak

Updated numbers for Thursday, December 21, 2006

Information for internal use only

Table 1. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak reported to CDC as of December 21, 2006, 12:00pm EST

State	Confirmed:	Probable	Suspect
DE	2	0	0
NH	0	0	1
NJ	30	7	42
NY	19	3	294
PA	15	1	60
SC	1	0	0
Ontario*	1	0	0
Grand Total*	67	11	397

^{*}Total for U.S. only and does not include Ontario case

- 6 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 1 confirmed case reported from Ontario, Canada.
 - Case information is not included in summary statistics.
- 67 confirmed, 11 probable, and 397 suspect cases reported to
 - 78 confirmed and probable cases in U.S. reported publicly

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 21, 2006, 12:00pm EST

StateExposure	Total
DE	1
NJ	39
NY	23
PA	16
Grand Total	79

*One Ontario case (not reported in these numbers) reported eating at a Taco Bell in Malone, NY.

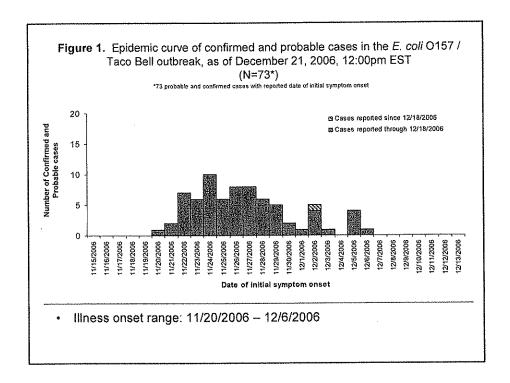
Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 21, 2006, 12:00pm EST

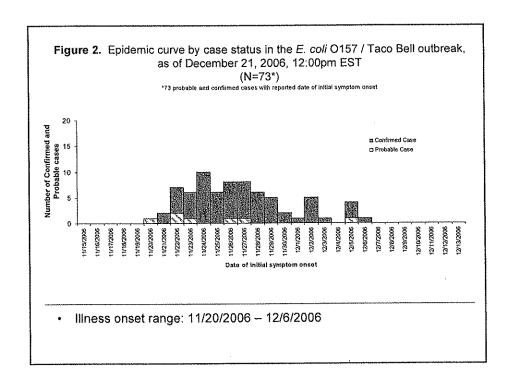
Demographics	
Age in years, range (median), (N=75)	18 (4-61)
Age Categories, n (%), (N=75)	
< 5 years	1 (1)
5 - 17 years	35 (47)
18 - 59 years	37 (49)
> 59 years	2 (3)
Gender, n (%), (N=77)	
Female	42 (55)
Mala	35 (45)

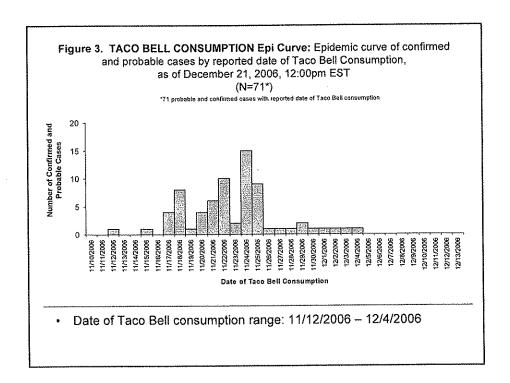
Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 21, 2006, 12:00pm EST

Outcome, N=79	n (%)	
Hospitalized	55 (70)	HUS Cases, N≃7 Median age (years) 11
HUS	7 (9)	Range (years) 5-51
Death	0 (0)	

*Cases with missing outcome information were considered to not have outcome







Multi-state *E. coli* O157 / Taco Bell Outbreak

Updated numbers for Friday, December 15, 2006

""Information for internal use only""

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 15, 2006, 12:00pm EST

State	Confirmed	Probable	Possible	Suspect
DE	2	0	0	0
NH	0	0	1	1
NJ	25	8	0	46
NY	17	7	1	340
PA	9	5	0	73
SC	1	0	0	0
Grand Tota	54	20	2	460

- 6 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 54 confirmed, 20 probable, 2 possible, and 460 suspect cases reported to CDC
 - 74 confirmed and probable cases reported publicly

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 15, 2006, 12:00pm EST

StateExposure	Total
DE	1
NJ	34
NY	25
PA	14
Grand Total	74

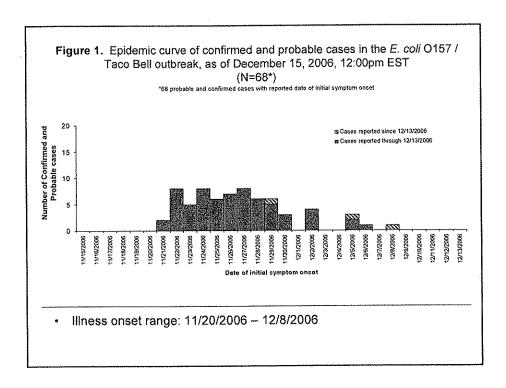
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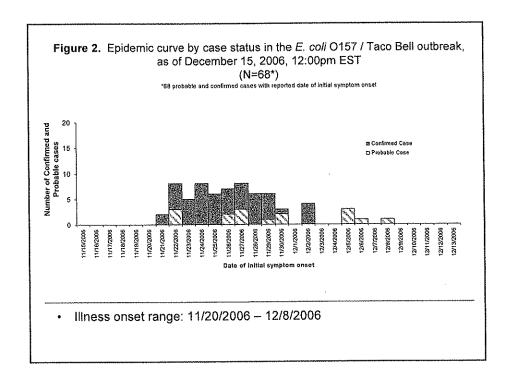
Demographics	
Age in years, range (median), (N=71)	18 (4-61)
Age Categories, n (%), (N=71)	
< 5 years	1 (1)
5 - 17 years	33 (46)
18 - 59 years	35 (49)
> 59 years	2 (3)
Gender, n (%), (N=72)	
Female	37 (51)
Mala	35 (49)

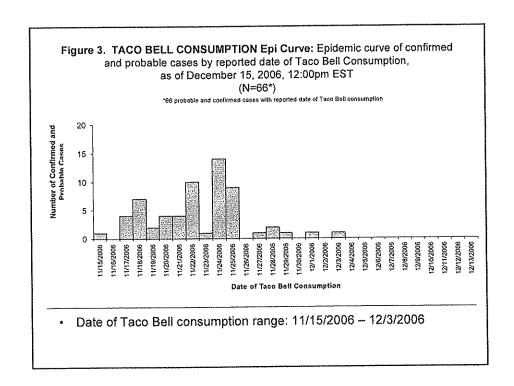
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Outcome, N=71	n (%)	HUS Cases, N=7	
Hospitalized	52 (70)	Median age (years)	11
HUS Death	7 (9) 0 (0)	Range (years)	5-51

*Cases with missing outcome information were considered to not have







Multi-state *E. coli* O157 / Taco Bell Outbreak

Updated numbers for Wednesday, December 13, 2006

Information for internal use only

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 13, 2006, 12:00pm EST

State	Confirmed	Probable	Possible	Suspect
DE	2	0	0	1
NH	0	0	1	1
NJ	23	10	0	43
NY	15	7	1	338
PA	7	6	0	80
SC	1	0	0	0
Grand Total	48	23	14451 V. 162	463

- 6 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 48 confirmed, 23 probable, 2 possible, and 463 suspect cases reported to CDC
 - 71 confirmed and probable cases reported publicly

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 13, 2006, 12:00pm EST

State of Taco Bell	Total
DE	1
NJ	34
NY	22
PA	14
Grand Total	71

Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 13, 2006, 12:00pm EST

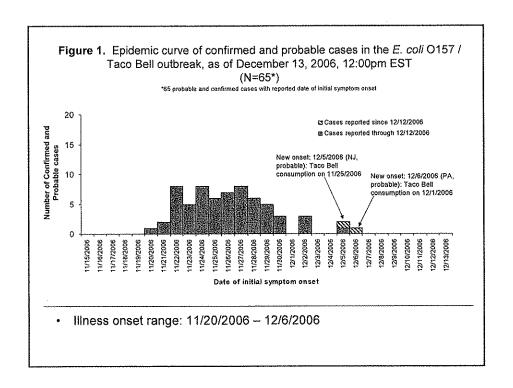
Demographics	
Age in years, range (median), (N≈68)	17.5 (4-61)
Age Categories, n (%), (N=68)	
< 5 years	1 (2)
5 - 17 years	33 (49)
18 - 59 years	32 (47)
> 59 years	2 (3)
Gender, n (%), (N=69)	
Female	36 (52)
Maio	33 (48)

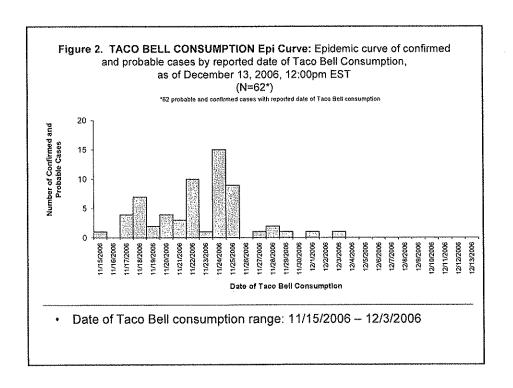
Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 13, 2006, 12:00pm EST

Outcome, N=71	n (%)	HUS Cases, N=8	
Hospitalized	53 (75)	Median age (years)	11
HUS	8 (11)	Range (years)	5-51
Death	0 (0)		

*Cases with missing outcome information were considered to not have

Updated Numbers as of 12:00pm EST, Wednesday, December 13, 2006





Multi-state *E. coli* O157 / Taco Bell Outbreak

Updated numbers for Wednesday, December 13, 2006

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NH	0	0	1	1
NJ	23	10	0	43
NY	15	7	1	338
PA	7	6	0	80
sc	1	0	0	0
Grand Total	48	23	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	463

- 6 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 48 confirmed, 23 probable, 2 possible, and 463 suspect cases reported to CDC
 - 71 confirmed and probable cases reported publicly

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 13, 2006, 12:00pm EST

State of Taco Bell	Total
DE	1
NJ	34
NY	22
PA	14
Grand Total	71

Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 13, 2006, 12:00pm EST

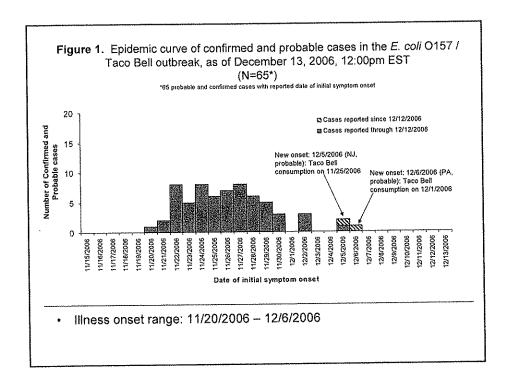
Demographics	
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> 59 years	2 (3)
Gender, n (%), (N=69)	
Female	36 (52)
Male	33 (48)

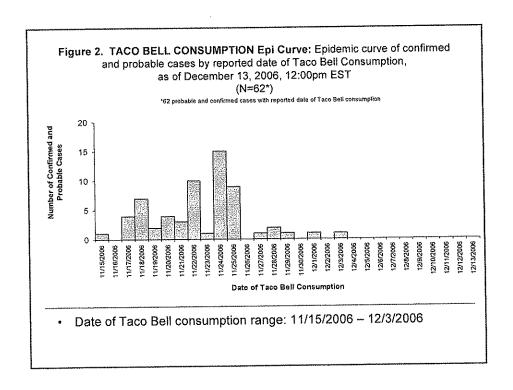
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Outcome, N=71	n (%)	HUS Cases, N=8	
Hospitalized	53 (75)	Median age (years)	11
HUS Death	8 (11) 0 (0)	Range (years)	5-51

 ${}^{\bullet}\text{Cases}$ with missing outcome information were considered to not have outcome

Updated Numbers as of 12:00pm EST, Wednesday, December 13, 2006





Updated Numbers as of 12:00pm EST, Wednesday, December 13, 2006

Multi-state E. coli 0157 / Taco Bell Outbreak

Updated numbers for Friday, December 15, 2006

Information for internal use only

Table 1. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak reported to CDC as of December 15, 2006, 12:00pm EST

State	Confirmed	Probable	Possible	Suspect
DE	2	0		
I	0	0		Supergrave
2	25	8		46
Z	17	2	Pana	중 중
PA	6	5	0	2
SC		0	0	0
Grand Tota	54	20		460

- **6** states reported cases
- 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
 - 54 confirmed, 20 probable, 2 possible, and 460 suspect cases reported to CDC
 - 74 confirmed and probable cases reported publicly

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 15, 2006, 12:00pm EST

74	Grand Total
14	PA
25	NY
34	ſN
	DE
Total	StateExposure

E. coli O157 / Taco Bell outbreak, as of December 15, 2006, 12:00pm EST Table 3. Demographic characteristics of confirmed and probable cases in the

Demographics	
Age in years, range (median), (N=71)	18 (4-61)
Age Categories, n (%), (N=71)	
< 5 years	1(3)
5 - 17 years	33 (46)
18 - 59 years	35 (49)
> 59 years	2 (3)
Gender, n (%), (N=72)	
Female	37 (51)
Male	35 (49)

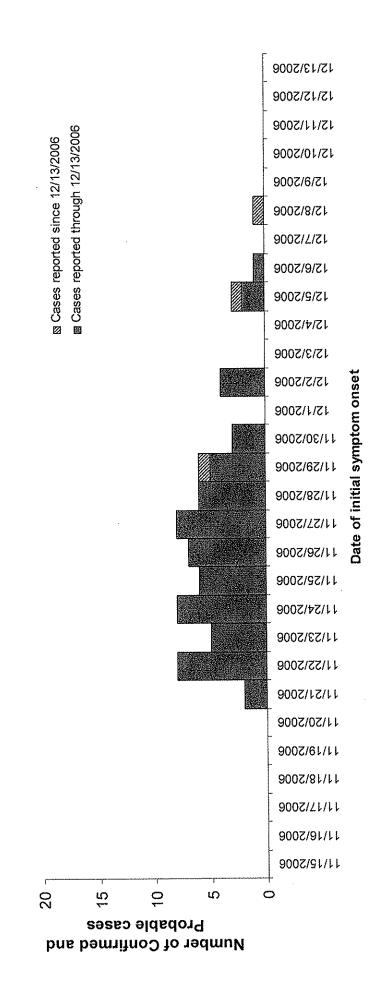
Table 4. Patient outcomes for confirmed and probable cases in the $E.\ coli$ O157 / Taco Bell outbreak, as of December 15, 2006, 12:00pm EST

	HUS Cases, N=7	/ Median age (years)) Range (years) 5-51	
(%) u	52 (70)	(0) 40	(6) /	0) 0
Outcome. N=71		pitalized	HUS	Death

*Cases with missing outcome information were considered to not have outcome

Figure 1. Epidemic curve of confirmed and probable cases in the E. coli 0157 Taco Bell outbreak, as of December 15, 2006, 12:00pm EST (N=68*)

*68 probable and confirmed cases with reported date of initial symptom onset

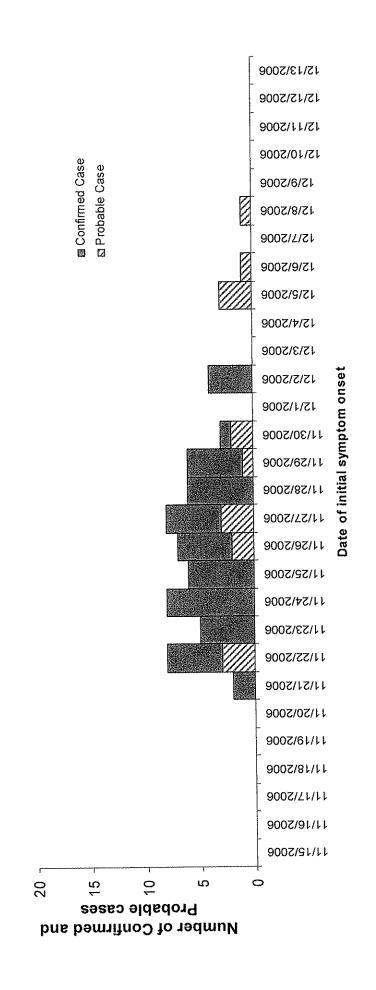


Illness onset range: 11/20/2006 - 12/8/2006

Figure 2. Epidemic curve by case status in the E. coli O157 / Taco Bell outbreak, as of December 15, 2006, 12:00pm EST

(N=68*)

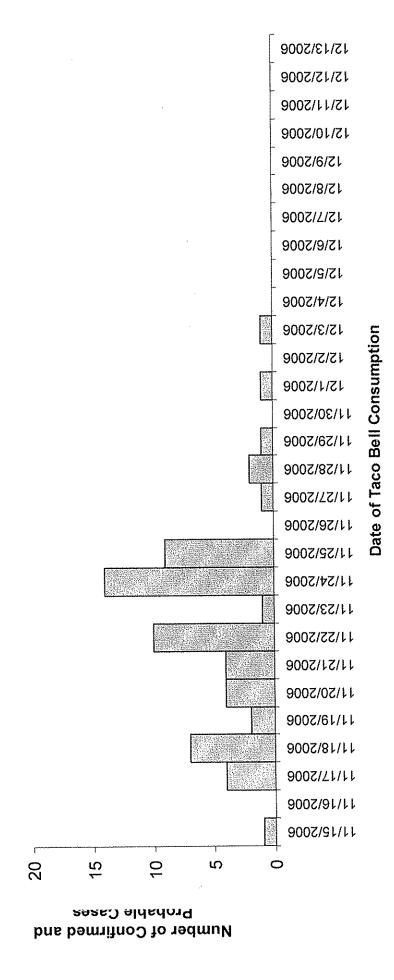
*68 probable and confirmed cases with reported date of initial symptom onset



Illness onset range: 11/20/2006 - 12/8/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 15, 2006, 12:00pm EST (N=66*)

*66 probable and confirmed cases with reported date of Taco Bell consumption



Date of Taco Bell consumption range: 11/15/2006 - 12/3/2006

CDC: E. coli Response Activities CDC IMS Planning Section

0830 CDC Internal Meeting- Exec Conf Room

Don Sharp Richard A. Jones II Phillip Navin Rob Tauxe David Warnock Clint Matthews Patty Griffin Capt. O'Connor Chris Braden Michael Lynch Karen Deasy (phone) Art Liang Sarah Wiley Kelley Hise (PulseNet) Molly Joyner (PulseNet) Martha Iwamoto Ali Kahn Heather Bair-Brake David Daigle Sheryl Bob Kate Glen Bruce Burney Mark Hansey Tom Reynolds

Colonel Cieslak (DoD Liaison)

Current Staff Rhythm:

0830 CDC Internal call and Update
0930 CDC/HHS/FDA Conference Call
1200 Final Case Count Cut-off
1400 State Partners Conference Call (E. coli)
1800 IAP Distribution

E. coli Update

Dr. Warnock-Chris Braden

- Should be the last gathering.
- Today will be last 0930 Agency call.
- 1400 will be state call. Monday will be last state call.

•

- 71 confirmed or probable cases from five states
- Demographics remain the same.
- 75% Hospital rate is fairly high. May warrant some discussion.
- Last onset was 12-6. Last exposure was 12-3.
- Everyone comfortable saying outbreak is over.
- Some cases may still be identified. More cases identified does not me the outbreak is ongoing.
- More analysis is ongoing, but still implicates lettuce.
- Canada has a reported PFGE pattern.
- 61 exact matches to PusleNet.

b

- Lengthy discussion about the time it takes to get case data. This could be a good time for a multi-state study on length of time to processes etc...
- Taco John (mid-west outbreak).
- CDC is observing and coordinating.
- CDC proposed a case definition for the mid-west outbreak.
- IA has not seen illness onset since 12-7.

CDC: E. coli Response Activities CDC IMS Planning Section

- Attempting to confirm if this is a single/multiple restaurant outbreak.
- MN is in full trace back process with FDA.
- WI is working on their positive case.
- Troubles contacting the case by phone.
- FDA district office is supposed to contact Taco John's corporate office.
- No closed stores.
- Exposure occurred around the same time as the IA, MN dates.
- The case definitions are still being looked at.

Media Inquiries

- HAN was released yesterday,
- FDA press release was issued yesterday.
- Lengthy discussion about time lines (short and long versions).

After Action discussion

- Lengthy discussion about AAR and CAP for E. coli spinach.
- Discussion about having a media person attend the proceedings.
- Need to review whether people are comfortable with a media person attending meetings etc... during a response?

Congressional

- Five senator letter. Form a joint task force to report the cause of the incidents and how to prevent further outbreaks.
- FDA, USDA and CDC conference call today.
- Position on single food agency.
- Discussion about language for the response to outbreak prevention.

Plans and Ops Update

• Today is last day in DEOC for the response teams.-

HHS/FDA/CDC/USDA Call 0930

Keith Holterman David Warnock Phil Navin Chris Braden Richard A. Jones II Capt. O'Connor Lt. Smith HHS SOC David Atchenson Karen Deasy (FDA) Ellen Morrison (FDA EOC) USDA EOC Kevin Yesky (HHS) Andy Flacks(REC Region II) Rob Tauxe Mitch Cohen Ted Kennedy (HHS) Danetta King (FDA EOC) Chris Harris (HHS) Elizabeth Hagen (FDA FSIS) Mark Wilson - public affairs Michael Johnson Karen Cleveland (REC IV) Capt. Wamsley (REC IX) Kristin Holt (USDA) Colonel Cieslak (DoD Liaison) Clint Matthews

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CDC Update

- 71 reported cases
- 52 confirmed by exact match PFGE
- 19 probable
- 469 suspected cases
- 75% hospitalization, 11% HUS, no deaths
- Last date of exposure is 12-3 last onset was 12-6
- Possible for some cases to be added as the lab results are returned.
- No current indications that will change lettuce as the implicated vehicle.
- 61 exact matches.
- Received one cases with first enzyme match from a case in Canada.
- Outbreak is over or outbreak appears to be over. FDA wants to have some discussion offline about language and message to put out.
- Taco John's
- Coordinating with the states
- IA no new cases since 12-7
- WI has a matching (IA and MN) case by PFGE

FDA Update

- FDA initiated trace back procedures.
- FDA requested documentation from Yum! Brands.
- FDA working on trace back for the Taco John's outbreak.

CDC: E. coli Response Activities CDC IMS Planning Section

- REC Region II
 - o Nothing to add.
- REC Region III
 - o Nothing to report.
- REC Region IX
 - o Nothing to report.

USDA Update

- FSIS is working on the Taco bell ground beef trace forward.
- Made contact with PA, NY, NJ, and DE to ask about product that may still be available for possible testing.
- Discussion at HQ about gathering all applicable information to determine what lots went where, what was tested, who did tests and will create a full scale summary of gathered information.

HHS Update

- This is the last call for this event.
- Sharing of information will now continue through normal reporting mechanisms.

Summary CDC Internal Meeting, 0830 CDC/FDA/HHS Conference Call, 0930

General Information

- There have been no reported onset dates after 12-6 in the north-east outbreak.
- The peak of the epi-curve in the north-east outbreak remains the same.
- CDC issued a press release on December 14 that states the outbreak appears to be over.
- One new First Enzyme results were submitted to the CDC for Canada Ministry of Health. The test matches the north-east outbreak strain.
- The is one Taco Bell store that is part of the north-east outbreak that is in northern NY and the border with Canada.
- PulseNet data provided by IA, MN and WI DOH laboratories have PFGE results with 13 exact matches (IA = 6, MN = 6, WI = 1) to the mid-west strain (which is 9 bands different from the north east strain).

E. coli Update

North-east Outbreak (Taco Bell)

- There are 71 confirmed and probable cases in the north-east outbreak.
- There are 61 exact matches in PulseNet to the north-east outbreak strain.
- CDC case control study analysis implicates lettuce as the vehicle for the north-east outbreak.

Mid-west Outbreak (Taco John's)

- There are 13 confirmed cases in the mid-west outbreak
- There are 13 exact matches in PulseNet to the outbreak strain, 6 in IA, 6 in MN and 1 in WI.
- IA DOH case control study analysis implicates lettuce as the vehicle for the mid-west outbreak.
- MN DOH case control study analysis implicates lettuce as the vehicle for the mid-west outbreak.
- Trace back reviews are underway in both states.
- The one case in WI has a Taco John's history from a store in WI.

FDA Update

- FDA initiated trace back procedures.
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- FDA working on trace back for the Taco John's outbreak.

USDA Update

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Media Update

• CDC issued a HAN concerning "Multi- state Outbreak of E-coli 0157 Infections, November-December 2006"

CDC: E. coli Response Activities CDC IMS Planning Section

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12/15/2006

CDC: E. coli Response Activities CDC IMS Planning Section

HHS/FDA/CDC/USDA Call 0930

Phil Navin
Capt. O'Connor
Richard A. Jones II
Chris Braden
Capt. O'Connor
Karen Deasy (FDA)
Lt. Smith HHS SOC
Ellen Morrison (FDA EOC)
Mitch Cohen
David Atchenson
USDA EOC
Andy Flacks(REC Region II)

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Clint Matthews Colonel Cieslak (DoD Liaison)

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Page 3 of 4

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 - o Nothing to add.
- REC Region III
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- REC Region IX
 - o Nothing to report.

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Summary CDC Internal Meeting, 0830 CDC/FDA/HHS Conference Call, 0930

General Information

- There have been no reported onset dates after 12-6 in the north-east outbreak.
- The peak of the epi-curve in the north-east outbreak remains the same.
- CDC issued a press release on December 14 that states the outbreak appears to be over.
- One new First Enzyme results were submitted to the CDC for Canada Ministry of Health. The test matches the north-east outbreak strain.
- The is one Taco Bell store that is part of the north-east outbreak that is in northern NY and the border with Canada.
- PulseNet data provided by IA, MN and WI DOH laboratories have PFGE results with 13 exact matches (IA = 6, MN = 6, WI = 1) to the mid-west strain (which is 9 bands different from the north east strain).

E. coli Update

North-east Outbreak (Taco Bell)

- There are 71 confirmed and probable cases in the north-east outbreak.
- There are 61 exact matches in PulseNet to the north-east outbreak strain.
- CDC case control study analysis implicates lettuce as the vehicle for the north-east outbreak.

Mid-west Outbreak (Taco John's)

- There are 13 confirmed cases in the mid-west outbreak
- There are 13 exact matches in PulseNet to the outbreak strain, 6 in IA, 6 in MN and 1 in WI.
- IA DOH case control study analysis implicates lettuce as the vehicle for the mid-west outbreak.
- MN DOH case control study analysis implicates lettuce as the vehicle for the mid-west outbreak.
- Trace back reviews are underway in both states.
- The one case in WI has a Taco John's history from a store in WI.

FDA Update

- FDA initiated trace back procedures.
- FDA requested documentation from Yum! Brands.
- FDA working on trace back for the Taco John's outbreak.

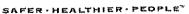
USDA Update

- FSIS is working on the Taco bell ground beef trace forward.
- Made contact with PA, NY, NJ, and DE to ask about product that may still be available for possible testing.
- Discussion at HQ about gathering all applicable information to determine what lots went where, what was tested, who did tests and will create a full scale summary of gathered information.

Media Update

 CDC issued a HAN concerning "Multi- state Outbreak of E-coli 0157 Infections, November-December 2006"







CDC IAP Number 8 and Final: E. coli O157 Outbreak

1. Incident Name	2. Operational Period (Dat	3. Documents Attached			
E. coli O157 Outbreak	From: 12/14 18:00 Hours EST To: 12/15 18:00 Hours EST			ICS 201 ICS 209	
4. IMS Position	4a. Staff Member	5. IMS Mailbox		6. Phone number	
Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov			
Chief Health Officer	Dr. David Warnock	nock IMS Chief Health/Science Officer eocchiefhealthscienceofficer@cdc.gov			
Operations Section Chief	CAPT Ralph O'Connor IMS Operations Section Chief eocopssectionchief@cdc.gov			404-553-7520	
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Chief			
Logistics Section Chief	Mark Hansey	IMS Logistics Section Chief eoclogsectionchief@cdc.gov	770-488-7100		
Finance/Admin Section Chief		IMS Fin & Admin Section Chief eocprocfinancechief@cdc.gov		770-488-7100	
IMS JIC Lead	Rick Jones eocjicleadership@cdc.gov			404-202-1030	
IMS Safety Official		eocsafety@cdc.gov		404-639-2432	
Duty Officer		eocreport@cdc.gov		770-488-7100	

7. Current Situation/Threats:

Six states are now reporting cases to date. Five of the states have reported confirmed or probable case for a total of 71 cases reported. Food consumption/restaurant histories are continuing. Completed Interviews for cases under investigation reveal that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets continue to range from 11/20 to 12/06. Other cases under investigation had illness onset as recent as 12/10. PFGE information for 58 case isolates is now available, and PFGE testing on remaining isolates is underway.

The peak time when persons became ill was in the last week of November. The outbreak appears to be over, although additional cases from the outbreak period could still be identified. Investigations include an ongoing investigation that involves interviews of ill and well Taco Bell restaurant patrons about what food items they consumed.

Cases in 52 of the 71 patients are confirmed, meaning that the patients' E. coli O157 strains have the outbreak "DNA fingerprint." As a result of testing by PulseNet, cases with the outbreak strain "fingerprint" pattern are being reclassified as confirmed cases, and cases with an unrelated "fingerprint" pattern are being dropped from the outbreak case count.

Health officials and the restaurant chain are working collaboratively to learn more about the shredded lettuce to determine how it may have become contaminated. No other food item has a definite or preliminary test indicating the presence of E. coli O157.

E. coli Update, 541 Case Counts as of 12:00pm December 13

541 Confirmed/Probable/Possible/Suspect cases total, in 6 states*

State	Confirmed Cases Reported	Probable Cases Reported	Possible Cases Reported	Suspected Cases Reported	
DE	2	0	0	1	
NH	n	0	1	11	
NJ	25	8	0	47	
NY	17	5	0	343	
PA	7	6	0	77	
SC SC	1	0	0	0	
Total:	52	19	1	469	

^{*}Only confirmed and probable cases are being reported to the public at this time.



ICS 202 - CDC

Department of Health and Human Services Centers for Disease Control and Prevention



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CDC IAP Number 8 and Final: E. coli O157 Outbreak

Hospitalized: 53 (75%) Hemolytic Uremic Syndrome (HUS): 8 (11%) Deaths: 0	
For more information on <i>E. coli</i> infection, please refer to http://www.cdc.gov/ncidod/dbmd/diseaseinfo/escherichia	the following website:
8. Planning Assumptions:	
 No known intentional foodborne threats have be 	ed at this time. However, shredded lettuce served in Taco Bell
The peak of the outbreak was in the last week of declined substantially.	of November; the number of new cases being identified has
4. We anticipate maintaining the current staff rhyth	III for the rest of this week.
9. Planning Objectives:1. Continue to narrow in on the food vehicle respo	nsible for the outbreak with USDA, FDA, the restaurant chain,
state and local health officials. Subject food is n Maintain situational awareness of media interes 	ow lettuce, beef, cheddar cheese.
Continue to coordinate with FDA, DHHS and the	e states for information messaging to the public.
 Continue to collect case counts from the states electronic data submitted by the affected states 	for reporting to the media and the public from the 12:00 noon
Continue detailed analysis of case control data	collected and recruit additional controls.
10. Work Assignment Special Instructions (if any): None	
· None	
11. Special Equipment/Supplies Needed for As	signment (if any)
Immuno STAT kit	
12. Special Environmental Considerations (if a	ny)
• N/A	
13. Special Site-Specific Safety Considerations	(if any)
• N/A	
14. Other Attachments (if any)	
Epi Curve Bar Graph of confirmed and probable	e cases, Taco Bell consumption Epi Curve.
	5. PREPARED BY (NAME AND POSITION)
ICS 202 – CDC	Roger Harlan, IMS Incident Action Plan





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CDC IAP Number 8 and Final: E. coli O157 Outbreak

į.	1. Incident Name E. coli O157 Outbreak	2. Date 12/14/06	3. Time 18:00 EDT
	4. Map and Epidem	iiological Data	

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 14, 2006, 12:00pm EST

State	Confirmed	Probable	Possible	Suspect
	2	0	0	1
DE NH	0	0	1	1
NJ	25	8	. 0	47
NY	17	5	0	343
PA	1 7	6	0	77
sc	1	0	0	0
Grand Total	52	19	Section of the sectio	469

- 6 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 52 confirmed, 19 probable, 1 possible, and 469 suspect cases reported to CDC
 - 71 confirmed and probable cases reported publicly





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CDC IAP Number 8 and Final: E. coli O157 Outbreak

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 14, 2006, 12:00pm EST

StateExposure	Total
DE	1
NJ	34
NY	22
PA	14
Grand Total	71

Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 14, 2006, 12:00pm EST

Demographics	
Age in years, range (median), (N=68)	17.5 (4-61)
Age Categories, n (%), (N=68)	
< 5 years	1 (1)
5 - 17 years	33 (49)
18 - 59 years	32 (47)
> 59 years	2 (3)
Gender, n (%), (N=69)	
Female	36 (52)
Male	33 (48)

Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 14, 2006, 12:00pm EST

Outcome, N=71	n (%)	HUS Cases, N=8	
Hospitalized	53 (75) 8 (11)	Median age (years) Range (years)	11 5-51
HUS Death	0 (0)	Range (yeens)	

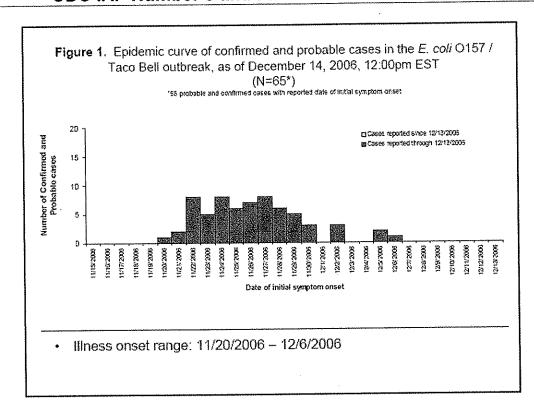
^{*}Cases with missing outcome information were considered to not have outcome

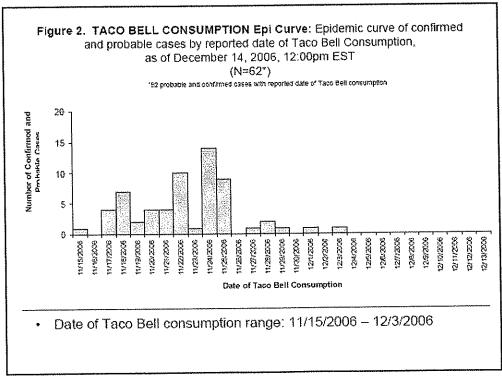




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CDC IAP Number 8 and Final: E. coli O157 Outbreak





ICS 201 - CDC

5. PREPARED BY (NAME AND POSITION)

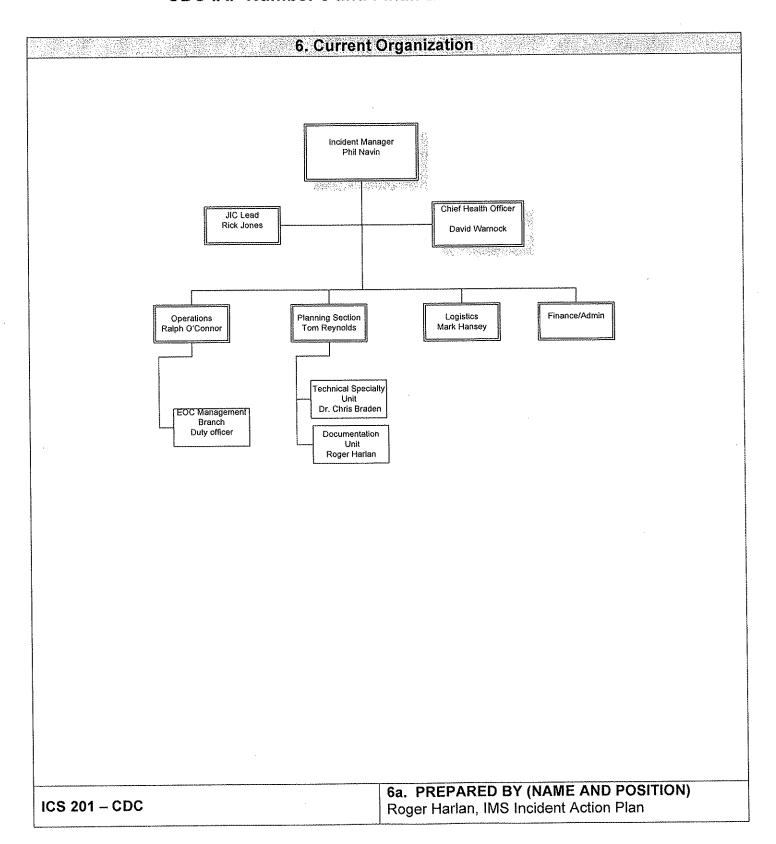
IMS Tech Specialty Unit/GIS Sections





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CDC IAP Number 8 and Final: E. coli O157 Outbreak







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CDC IAP Number 8 and Final: E. coli O157 Outbreak

7a. Resources Deployed									
Resources Ordered	Resources Ordered Resources Identified		On Scene (Y / N)	Location / Assignment	ARF / MA #				
Immuno STAT kit	1	12-12-06	Υ	Smyrna, DE	IMS Task Tracker # 87				
A									
					,				
		<u> </u>	1						

	7b. Re	sources	irces Pending Deployment						
Resources Ordered	Resources Identified	ETA	On Scene (Y / N)	Location / Assignment	ARF / MA #				
None									
ICS 201 – CDC		7c.	PREPARED E Jer Harlan, IMS Ir	l BY (NAME AND POS ncident Action Plan	BITION)				







CDC IAP Number 8 and Final: E. coli O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Restaurant case control study:
 - o 68 cases, 94 controls interviewed.
- CDC has issued a statement indicating the outbreak is over though monitoring will continue as additional cases
 could be identified.
- CDC Planning Section is standing down but reports and SITREPs concerning this event will be distributed by the Duty Desk at EOC Report.
- PulseNet data provided by IA and MN DOH laboratories indicate the strains in both states are new to the data base, they are a distinct strain and exactly match, but are different from Taco Bell strain.
- Work with FDA, USDA, and Taco Bell continues in an effort to identify hw the shredded lettuce may have become contaminated.

FDA Activities:

- FDA document review for trace back of lettuce distribution in the north-east outbreak is ongoing.
- CDC will submit request to the FDA for trace back of lettuce distribution in the mid-west outbreak.
- FDA in a press conference last night (with CDC, Chris Braden attending) reported that lettuce was the likely vehicle based on the CDC case studies and suggested that it may have been a specific batch of lettuce distributed to Taco Bell restaurants that caused people to get ill.
- FDA is prepared to issue concurrence if the CDC announces the outbreak is over.

USDA Activities:

- Even though lettuce has been identified as the likely vehicle for the outbreak, the USDA will complete current distribution and testing review process for beef and poultry.
- USDA noted its appreciation in receiving data identifying the stores where illnesses occurred, which was gathered and shared by the CDC, and stated the data is aiding in their review process.

State Activities:

- DE
- o No new information.
- IA
- No response.
- o CB: Joint press release in IA and MN.
- o IA 35 cases associated.
- MN 6 lab confirmed and 23 probable cases associated
- Epi information from both states independently found lettuce as the vehicle.
- The PFGE patterns are the same, but different from the north-east outbreak.
- NH
- No new information to report.
- NJ
- One suspect case with illness onset on 12-10 with weak association as an E. coli illness.
- NY
- o Latest onset of confirmed or probable is 12-4, latest suspect case 12-10.
- PA
- Onset 12-6 case is not from a store that is part of the Taco Bell stores previously implicated. This is a food worker. Did work for at least one day. Positive by culture.
- The latest onset of confirmed or probable cases was 12-3.







CDC IAP Number 8 and Final: E. coli O157 Outbreak

- SC
- No new data.
- WI
- No response.
- o CB: reports there is one exact match in PulseNet.
- o Did have Taco John exposure in Wisconsin.
- UT
- o No response.

CDC JIC Report: - Joint Information Center (JIC) Update 12/14/2006

Document Development & Distribution

HAN Update distributed regarding E coli outbreak

CDCHAN-00255-06-12-14-UPD-N

UPDATE/Correction: CDCHAN-00256-06-12-14-UPD-N (in development)

Letter was developed and distributed to external partners - SOPHE, Faith-based, community-based, volunteer, and non-profit organizations (31 organizations received information to disseminate to members) and Hearing and Visually impaired organizations (five organizations received information to disseminate to members).

Following Documents have been translated to Spanish and forwarded to Web team for posting: What is CDC Doing in Response to the Outbreak of E. coli O157 Infections Associated with Taco Bell Restaurants?

Multistate Outbreak of E. coli O157 Infections, November-December 2006 Updated December 13, 2006

CDC Inquiries

Media calls:	18
COCA emails	0
CDC-INFO calls	14
CDC-INFO emails	2
CDC-INFO emails escalated to COCA	10

Research Team Media Report 12.14.06

Number of Media Stories on 12.13.06 = 1190 (up from 743 on 12.12; source: Google News Search)

The following themes were observed in media headlines appearing on 12.13.06. News reports may not reflect findings of the investigation.

- Lettuce has been identified as the likely vehicle. (clearly the top story)
 - Sample Headline: "Taco Bell's lettuce likely culprit in E. coli outbreak, officials say"
 - Sample Headline: "Shredded Lettuce Is Now Chief Suspect in E. Coli Outbreak"
- Taco Bell sales are suffering as a result of the outbreak.
 - Sample Headline: "Taco Bell's sales suffering amid E. coli outbreak, exec says"

E. coli Web Report

Postings on CDC E. coli website since last report, December 14 (as of 3:00 PM):

- <u>December 14 Update: Multistate Outbreak of E. coli O157 Infection, November-December 2006</u> (http://www.cdc.gov/ecoli/current.htm)
- Spanish Translation: Multistate Outbreak of E. coli O157 Infection, November-December 2006 (http://www.cdc.gov/ecoli/2006/december/es/121206.htm)
- Spanish Translation: Multistate Outbreak of E. coli O157 Infection, November-December 2006 (http://www.cdc.gov/ecoli/2006/december/es/121106.htm)

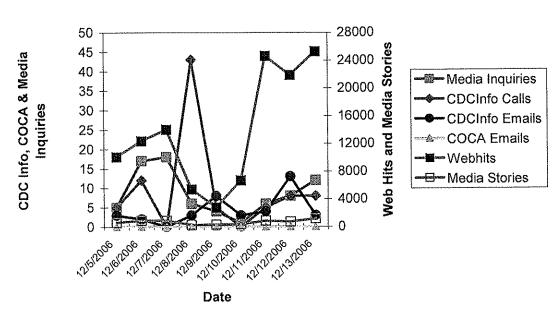






CDC IAP Number 8 and Final: E. coli O157 Outbreak





GovDelivery subscriptions to E. coli what's new page watch service

- Total subscriptions: 208 (up from 187 yesterday)
- Total clickthroughs: 149 (up from 99 yesterday)

Total traffic on all E. coli-related pages on CDC website, December 14 (as of 2:40 PM):

- Total: 14,023 views (as of 2:40 PM)
- Final total for yesterday: 25,298 views

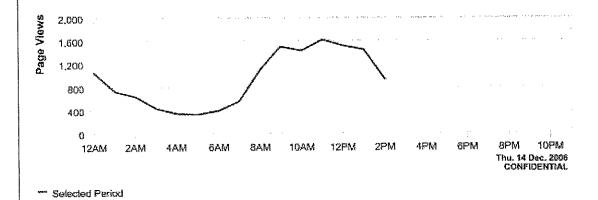
Total traffic on CDC E. coli home page (http://www.cdc.gov/ecoli/) December 14 (as of 2:40 PM):

- Total: 3,888 views (as of 2:40 PM)
- #14 on CDC Most Popular Pages (up from #18 at this time yesterday)

RSS clickthroughs on E. coli website, December 14 (as of 2:40 PM):

• Total: 68 (as of 2:40 PM)

Graph of traffic on all -E. coli-related webpages today: (dip is only because (Note that the dip at 2:00 is only because all data for that hour have not come in yet.)

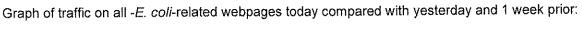


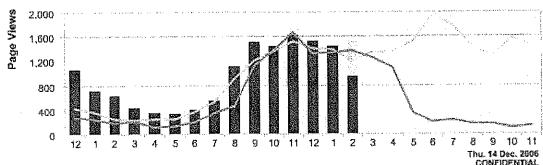




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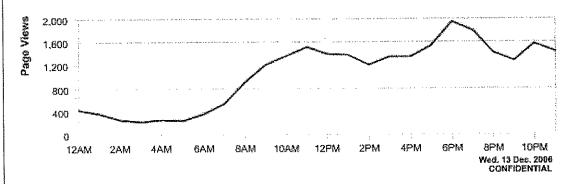
Selected Day

1 Week Prior

Forecast

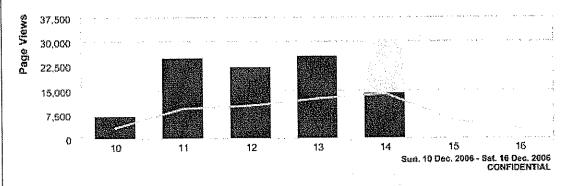
Yesterday

Final graph of traffic on all -E. coli-related webpages yesterday:



Selected Period

Graph of traffic on all -E. coli-related webpages for the entire week so far:



Selected Week

Forecast

Prior Weak

ICS 201 - CDC

8a. PREPARED BY (NAME AND POSITION)

Roger Harlan, IMS Incident Action Plan





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CDC IAP Number 8 and Final: E. coli O157 Outbreak

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1. Date 12/14/20	ne	2.	Initial Update	3. Incident Nan		~ · · ·		4. Incid	ient Numb	er		· · · · · · · · · · · · · · · · · · ·
			Final	☑	E. coli O157 Outbreak							
5. Incident i Phil Navin	_		ef Health Offic avid Warnoo		ident	8. Cause Restaura	ant		9. Activa 12/07/0			and an analysis of the state of
10. Total CD	C Personne 0	el Deploy	/ed	11. Total CDC OFF	RD Personne 0	Deployed	12. Ex	pected C	Completion		ime FBD	
13. Number Period: Total: 0	of MAs Rec	eived:	14. Number of Period: Total: 0	of MAs Completed:	Period: Period				16. Nur Period: Total:	nber of ARFs C	ompleted:	
17. Deaths O	18. Cases Confirmed Probable: Possible: Suspect: 4	med: 52 N/A ple: 19 N/A ple: 1										
21. Current	Weather- N	/A	22. Predicted	l Weather- N/A	23. Cost t	o Date				2	4. Estimated To	ital Cost
ws	·			Temp RH	Unknow	Unknown					Unknown	
WD	RH		WD		L 5. CDC As	ssets Deplo	ved					
Resources	Resources Location			Mission			Team Lead			% Mission Complete	TOTAL TEAMS	
Teams		3/5/										None
Equipmen	nt							y Nagy				
	STAT kit	Smy	rna, DE	Ship test kits	Ship test kits			Log	gistics		100%	0
Total Person Deployed						0					TEAMS:	None
26. Signifi None	cant Events											
27. Signifi None	cant Issues											
28. Prepare	d by:		į	proved by	3	0.						
Roger Harla IMS Inciden		n	1	as Reynolds, lanning Section Chie	ef	Date 1	2/14/0)6		Tim	ne 18:00 EDT	
ICS 209	- CDC	;										

Multi-state E. coli 0157 / Taco Bell Outbreak

Thursday, December 14, 2006 Updated numbers for

Information for internal use only

Table 1. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak reported to CDC as of December 14, 2006, 12:00pm EST

10000000000000000000000000000000000000	25	0 0 8	7 7 7
PA SC Grand Total		0 0	

- **6** states reported cases
- 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
 - 52 confirmed, 19 probable, 1 possible, and 469 suspect cases reported to CDC
 - 71 confirmed and probable cases reported publicly

Table 2. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 14, 2006, 12:00pm EST

71	Grand Total
14	PA
22	N
34	N
	DE
Total	StateExposure

E. coli 0157 / Taco Bell outbreak, as of December 14, 2006, 12:00pm EST Table 3. Demographic characteristics of confirmed and probable cases in the

Demographics	
Age in years, range (median), (N=68)	17.5 (4-61)
Age Categories, n (%), (N=68)	
< 5 years	1 (1)
5 - 17 years	33 (49)
18 - 59 years	32 (47)
> 59 years	2 (3)
Gender , n (%), (N=69)	
Female	36 (52)
Male	33 (48)

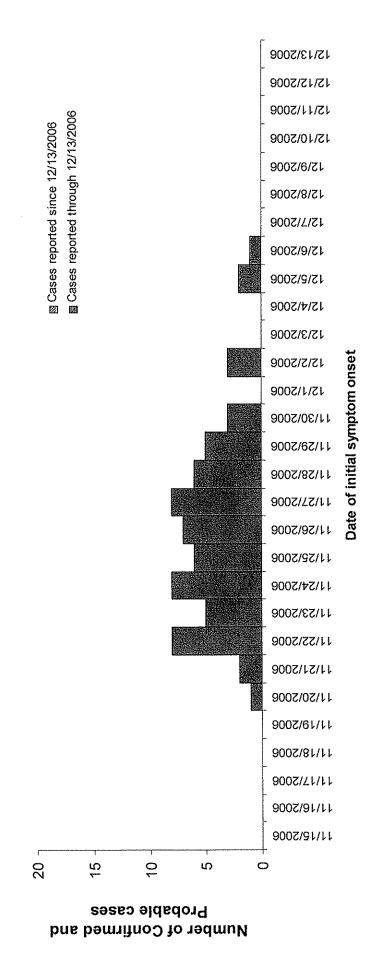
Table 4. Patient outcomes for confirmed and probable cases in the E. coli O157 / Taco Bell outbreak, as of December 14, 2006, 12:00pm EST

Outcome, N=71	(%) u
	۔۔ا
	33 (73) Median age (years)
HUS	8 (11) Range (years) 5-51
Death	0 (0)
The state of the s	T. C.

*Cases with missing outcome information were considered to not have outcome

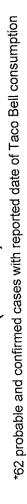
Figure 1. Epidemic curve of confirmed and probable cases in the E. coli 0157 Taco Bell outbreak, as of December 14, 2006, 12:00pm EST (N=65*)





Illness onset range: 11/20/2006 - 12/6/2006

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 14, 2006, 12:00pm EST (N=62*)





Date of Taco Bell consumption range: 11/15/2006 - 12/3/2006

CDC: E. coli Response Activities CDC IMS Planning Section

0830 CDC Internal Meeting- Exec Conf Room

Don Sharp Richard A. Jones II Phillip Navin Rob Tauxe Tom Reynolds David Warnock Patty Griffin Russell Baker Chris Braden Michael Lynch Karen Deasy (phone) Art Liang Sarah Wiley Kelley Hise (PulseNet) Molly Joyner (PulseNet) Martha Iwamoto Ali Kahn Heather Bair-Brake David Daigle Sheryl Bob Kate Glen

Colonel Cieslak (DoD Liaison)

Current Staff Rhythm:

0830 CDC Internal call and Update
0930 CDC/HHS/FDA Conference Call
1200 Final Case Count Cut-off
1400 State Partners Conference Call (E. coli)
1800 IAP Distribution

E. coli Update

Dr. Warnock-Chris Braden

- CDC is not seeing any large changes in number of cases.
- CDC is not seeing large changes in the number of suspect cases (meaning, they are not moving into the confirmed or probable categories)
- CDC is reporting 71 confirmed and probable cases, no new states of exposure.
- The latest reported cases has a reported onset date of 12-6.
- Epi-curve is not moving (has not moved in a week) and is filling in well. The Epi curve previously looked as if there might have been two peaks. It is now filling in as a typical single source outbreak.
- We are at least 15 days past the peak of the outbreak.
- Begin discussion on how we determine if the outbreak is over.
- This may be affected by the information coming from the Taco John outbreak.
- We need to press the issue and stress that the outbreak is over, since it has been eight days since the most recent report of onset.
- The last time anyone that ate at a Taco Bell was December 3. We believe the outbreak is over. We can introduce this at 930. We will announce at 1400 that will be issuing a statement that the outbreak is over.
- Maintain the staff rhythm for at least Thursday and Friday (possibly Saturday).
- State and local investigators in IA and MN, got the products and product lists and quantities. In IA were able to statistically implicate only lettuce.
- MN was able to do a case control study (of five) to identify lettuce.
- PFGE patterns match in IA and MN but is different from NE outbreak.
- Single distributor delivers lettuce for MN and IA.
- FDA has requested that the CDC drafts a memo requesting trace back on lettuce.

- CDC needs to touch base with Taco John's administration. Work with out partners. CDC will sit in on a state to state call. Act as coordinators.
- WI may now have a case as well.
- CDC is responsible for coordinating a multi-state outbreak.

Case Control

- The sales data study is supporting the findings of other case control statistics and is continuing to implicate lettuce.
- There are 57 exact matches in PulseNet to the north east outbreaks train.
- IA 6 MN 6, WI 1
- Three isolates from IA are non-modal. A reminder should be sent to the affected states in remind that shiga toxin testing may be required as H7 cannot be identified in non-modal isolates.
- Case control study info:
- Additional data is supporting the findings of other case control statistics and is continuing to implicate lettuce.
- FSIS, ground beef, temps for cooking had been verified at processing facilities, (1990s ground beef, created changes, including second lethal cooking step in stores) and cooking in stores, and make it a non-plausible vehicle.
- Cheese, is pasteurized. Cheese is used in two cheese types. Cheese was distributed to other states.
- Right before press conference FDA reported there was a production of cheese was not the same as the three cheese blend and was only distributed in are of the affected states.
- CDC still believes that lettuce was the likely vehicle for the north east outbreak.
- It is noted and considered that lettuce has no "kill" steps involved in the processing and distribution of lettuce before consumption.
- Case control study, information is still being collected and analyzed. This information will also be cross analyze with multiple studies.

Taco Bell meeting discussion

- Yum! Brands and Taco Bell executives. Sales down 20-30%
- Yum executives had five specific issues that wanted discussed:
 - o The progress of the investigation. Want to review data.
 - O Want to know the criteria for the end of the outbreak.
 - O Coordination of press releases and sharing info before release.
 - O What data is needed from Taco bell?
 - O Discussion about how does CDC know that Taco Bell is the source?
- Taco Bell discussed wanting to be proactive about food safety.
- They want to take a leadership role in public health.
- Yum executives would like to see CDC data being analyzed.
- Yum executives were told about three cases that express no association with CDC. Yum Brands press release following the meeting reported the three cases that were not associated with Taco Bell.

CDC: E. coli Response Activities CDC IMS Planning Section

Media Inquiries

- Will we issue a dispatch?
- We will work on a HAN maybe two.
- We will issue a single HAN discussing both outbreaks.
- Reviewing stories show that lettuce is the likely vehicle and impact to Taco Bell.
- JIC cleared piece on what the CDC is doing for outbreak for release today
- Q&A piece for the outbreak
- Anatomy of an outbreak for release today.

Congressional

• Discussion with a congressman today (1530).

Plans and Ops Update

Nothing to report

HHS/FDA/CDC/USDA Call 0930

Phil Navin
Russell Baker
Richard A. Jones II
Karen Deasy (FDA)
Kevin Yesky (HHS)
Mitch Cohen

David Warnock
Richard A. Jones II
Chris Braden
David Atchenson
David Atchenson
USDA EOC
Andy Flacks(REC Region II)

Danetta King (FDA EOC) Chris Harris (HHS) Ted Kennedy (HHS)

Michael Johnson Elizabeth Hagen (FDA FSIS) Mark Wilson – public affairs Kristin Holt (USDA) Karen Cleveland (REC IV) Capt. Wamsley (REC IX)

Colonel Cieslak (DoD Liaison)

Current Staff Rhythm:

0830 CDC Internal call and Update
0930 CDC/HHS/FDA Conference Call
1200 Final Case Count Cut-off
1400 State Partners Conference Call (*E. coli*)
1800 IAP Distribution

CDC Update

- Taco Bell:
- 48 confirmed 23 probable (71) from Taco Bell
- No new states for exposure
- 1 probable case with more recent onset (12-6)
- Peak of epi curve unchanged for a week
- Plan to announce today the outbreak is over
- Taco John's:
- IA-6, MN-6 and WI-1
- IA has implicated lettuce through statistical and dose response analysis.
- MN statistics also implicate lettuce.
- PulseNet data from IA and MN indicates that the strains are a distinct strain and exactly match each other, but are different from Taco Bell.
- It appears the IA and MN Taco John's stores share a common lettuce distributor.
- CDC will request trace back from FDA.
- WI 1 PulseNet is an exact match to
- 57 exact matches for Taco Bell outbreak in the north-east.
- 13 exact matches for Taco John's in the mid-west.
- The Taco John's pattern is a new unique pattern to the database.
- The mid-west outbreak numbers are IA-6, MN-6 and WI-1
- Additional data yesterday helped to solidify that lettuce is the vehicle for the Taco Bell outbreak
- CDC website updated to indicate beef, cheese and lettuce, and stated lettuce was the likely vehicle.

CDC: E. coli Response Activities CDC IMS Planning Section

- CDC will issue a HAN today about lettuce and the outbreak
- CDC met with Taco Bell yesterday.
- IA information (from their DOH press release).
- Mid West outbreak implicates lettuce.
- 50 illnesses in at least two states.
- CDC will issue final IAP for Taco Bell outbreak today.
- Suggest that tomorrow be the last day to do the calls and documentation.

FDA Update

- FDA, CDC and Yum Brands conference call.
- FDA requested data to assist with conducting a trace back for lettuce.
- Trace back has been initiated on legs that impacted five affected stores.
- At least three more trace backs will be initiated as early as today.
- FDA, CDC, IA and MN conference call.
- Trace back assignments in MN and IA to begin today.
- FDA (with CDC) held a press conference.
- Provided similar data as listed above.
- A lot of questions about the outbreak and why people are sick.
- Suggest that it may have been a specific batch that went to Taco bell that made people sick.
- FDA will update press release to indicate outbreak is over if CDC does.
- REC Region II
 - o Nothing to add.
- REC Region III
 - o Nothing to report.
- REC Region IX
 - o Nothing to report.

USDA Update

- FSIS is completing supply and distribution review for the beef products.
- The report from the review should be completed today as well.
- Other beef and poultry reviews are ongoing.
- With CDC information gathered on stores/locations with illnesses the trace back is further narrowed.
- Monitoring the lots that may have matched the outbreak info.

HHS Update

• Tomorrow will be the last day for calls.

Summation of CDC: E. coli Response Activities CDC IMS Planning Section

Summary CDC Internal Meeting, 0830 CDC/FDA/HHS Conference Call, 0930

General Information

- There have been no reported onset dates after 12-6 in the north-east outbreak.
- Epi-curve is filling out as predicted for a single source scenario in the north-east outbreak.
- The peak of the epi-curve in the north-east outbreak has not shifted in over a week.
- During the 0830 CDC internal conference call concurred they are prepared to issue statement today to indicate the outbreak is over.
- Yum! Brands team of executives met with the CDC December 12. They indicated they were ready and willing to take a leadership role in "safeguarding the produce supply chain and public health."
- PulseNet data provided by IA and MN DOH laboratories indicate the strains in both states are new to the data base, they are a distinct strain and exactly match, but are different from Taco Bell strain.

E. coli Update

North-east Outbreak (Taco Bell)

- There are 71 confirmed and probable cases in the north-east outbreak.
- There are 57 exact matches in PulseNet to the north-east outbreak strain.
- CDC case control study analysis implicates lettuce as the vehicle for the north-east outbreak.

Mid-west Outbreak (Taco John's)

- There are 13 confirmed cases in the mid-west outbreak
- There are 13 exact matches in PulseNet to the outbreak strain, 6 in IA, 6 in MN and 1 in WI.
- IA DOH case control study analysis implicates lettuce as the vehicle for the mid-west outbreak.
- MN DOH case control study analysis implicates lettuce as the vehicle for the mid-west outbreak.

FDA Update

- FDA document review for trace back of lettuce distribution in the north-east outbreak is ongoing.
- CDC will submit request to the FDA for trace back of lettuce distribution in the mid-west outbreak.
- FDA in a press conference last night (with CDC, Chris Braden attending) reported that lettuce was the likely vehicle based on the CDC case studies and suggested that it may have been a specific batch of lettuce distributed to Taco Bell restaurants that caused people to get ill.
- FDA is prepared to issue concurrence if the CDC announces the outbreak is over.

USDA Update

- Even though lettuce has been identified as the likely vehicle for the outbreak, the USDA will complete current distribution and testing review process for beef and poultry.
- USDA noted its appreciation in receiving data identifying the stores where illnesses occurred, which was gathered and shared by the CDC, and stated the data is aiding in their review process.

Media Update

- CDC issued a HAN today concerning "Multi- state Outbreak of E-coli 0157 Infections, November-December 2006"
- CDC posted the following article on the CDC website: "What CDC and Other Agencies Are Doing in Response to the Outbreak of *E. coli* O157:H7 Infections"





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CDC IAP Number 7: E. coli O157 Outbreak

1. Incident Name	2. Operational Period (Da	te/Time)	3. Documents Attached 1. ICS 201
E. coli O157 Outbreak	From: 12/13 18:00 Hours	rom: 12/13 18:00 Hours EST To: 12/14 18:00 Hours EST	
4. IMS Position	4a. Staff Member	5. IMS Mailbox	6. Phone number
Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov	770-488-7100
Chief Health Officer	Dr. David Warnock	IMS Chief Health/Science Officer eocchiefhealthscienceofficer@cdc.	gov 404-553-7737
Operations Section Chief	CAPT Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Ch eocplansectionchief@cdc.gov	nief 404-553-7815
Logistics Section Chief	Mark Hansey	IMS Logistics Section Chief eoclogsectionchief@cdc.gov	770-488-7100
Finance/Admin Section Chief		IMS Fin & Admin Section Chief eocprocfinancechief@cdc.gov	770-488-7100
IMS JIC Lead	Rick Jones	eocjicleadership@cdc.gov	404-202-1030
IMS Safety Official		eocsafety@cdc.gov	404-639-2432
Duty Officer		eocreport@cdc.gov	770-488-7100

7. Current Situation/Threats:

Six states are now reporting cases to date. Five of the states have reported confirmed or probable case for a total of 71 cases reported. Food consumption/restaurant histories are continuing. Completed Interviews for cases under investigation reveal that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets continue to range from 11/20 to 12/06. Other cases under investigation had illness onset as recent as 12/8. PFGE information for 55 case isolates is now available, and PFGE testing on remaining isolates is underway.

CDC is working with state and local health officials, the Food and Drug Administration (FDA), the Department of Agriculture (USDA), and the restaurant chain to determine what food caused the outbreak. These investigations include an ongoing investigation that involves interviews of ill and well Taco Bell restaurant patrons about what food items they consumed. These food items include a variety of different ingredients. By comparing foods consumed by ill and well persons, investigators can show statistical links between illness and consumption of particular food ingredients. Public health investigators have identified a few ingredients that were consumed more often by ill persons than well persons and were statistically linked with illness: lettuce, cheddar cheese, and ground beef. This analysis also indicates that onions of any type are not linked to this outbreak. The investigators have also gathered additional information about the locations of involved restaurants, the patterns of distribution of food ingredients, and the characteristics and preparation of food ingredients. Evaluation of all these data indicates that shredded lettuce consumed at Taco Bell restaurants in the northeastern United States was the most likely source of the outbreak. Because multiple Taco Bell restaurants were involved during the same time period, contamination of lettuce likely occurred before reaching the restaurants. Health officials and the restaurant chain are working collaboratively to learn more about the shredded lettuce to determine how it may have become contaminated.

Minnesota and Iowa continue to investigate the recent *E. coli* O157 outbreak with a regional restaurant chain and will share their investigatory results with CDC, FDA, and USDA in the coming days.







CDC IAP Number 7: E. coli O157 Outbreak

E. coli Update, 536 Case Counts as of 12:00pm December 13

536 Confirmed/Probable/Possible/Suspect cases total, in 6 states*

State	Confirmed Cases Reported	Probable Cases Reported	Possible Cases Reported	Suspected Cases Reported
DE	2	0	0	1
NH	0	0	1	1
NJ	23	10	0	43
NY	15	7	1	338
PA	7	6	0	80
SC	1	0	0	0
Total:	48	23	2	463

^{*}Only confirmed and probable cases are being reported to the public at this time.

Hospitalized: 53 (75%)

Hemolytic Uremic Syndrome (HUS): 8 (11%)

Deaths: 0

8. Planning Assumptions:

- 1. No known intentional foodborne threats have been identified by intelligence sources.
- 2. The outbreak vehicle still has not been confirmed at this time. However, shredded lettuce served in Taco Bell restaurants in the north east is the likely vehicle.
- 3. The peak of the outbreak was in the last week of November; the number of new cases being identified has declined substantially.
- 4. We anticipate maintaining the current staff rhythm for the rest of this week.

9. Planning Objectives:

- 1. Continue to pursue the identification of the food vehicle for the outbreak with USDA, FDA, the restaurant chain, state and local health officials.
- 2. Maintain situational awareness of media interest, reports, etc. of outbreak events.
- 3. Continue to coordinate with FDA, DHHS and the states for information messaging to the public.
- 4. Continue to collect case counts from the states for reporting to the media and the public from the 12:00 noon electronic data submitted by the affected states.
- 5. Continue detailed analysis of case control data collected and recruit additional controls.

10. Work Assignment Special Instructions (if any):

None

11. Special Equipment/Supplies Needed for Assignment (if any)

N/A

12. Special Environmental Considerations (if any)

N/A

13. Special Site-Specific Safety Considerations (if any)

N/A

14. Other Attachments (if any)

Map

5.	PREPAR	RED B	Y (NAME	EAND	POSITION
	ger Harla				

ICS 202 - CDC





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CDC IAP Number 7: E. coli O157 Outbreak

1. Incident Name E. coli O157 Outbreak	2. Date 12/13/06	3. Time 18:00 EDT
4. Map and Epidem	iiological Data	

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 13, 2006, 12:00pm EST

State	Confirmed	Probable	Possible	Suspect
DE	2	0	0	1
NH	0	0	1	1
NJ	23	10	0	43
NY	15	7	1	338
PΔ	7	6	0	80
PA SC	1	0	0	0
Grand Total	48	23	2	463

- 6 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 48 confirmed, 23 probable, 2 possible, and 463 suspect cases reported to CDC
 - 71 confirmed and probable cases reported publicly





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CDC IAP Number 7: E. coli O157 Outbreak

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 13, 2006, 12:00pm EST

State of Taco Bell	Total
DE	1
NJ	34
NY	22
PA	14
Grand Total	71

Table 3. Demographic characteristics of confirmed and probable cases in the E. coli O157 / Taco Bell outbreak, as of December 13, 2006, 12:00pm EST

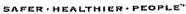
Demographics	
Age in years, range (median), (N=68)	17.5 (4-61)
Age Categories, n (%), (N=68)	
< 5 years	1 (2)
5 - 17 ye <i>sir</i> s	33 (49)
18 - 5ë years	32 (47)
> 59 years	2 (3)
Gender, n (%), (N=69)	
Female	36 (52)
Male	33 (48)

Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 13, 2006, 12:00pm EST

Outcome, N=71	n (%)	HUS CS968, N=5	
Hospitalized	53 (75)	Median age (years)	11
HUS Death	0(0)	Range (years)	5-51

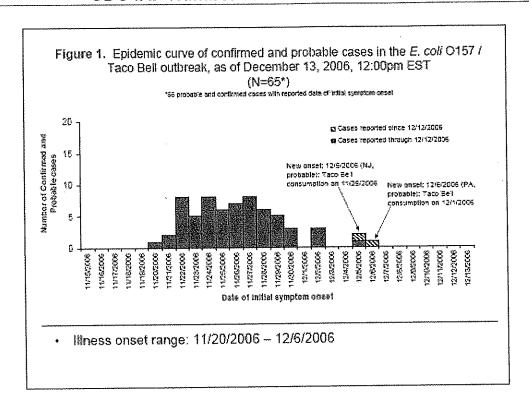
"Cases with missing outcome information were considered to not have outcome

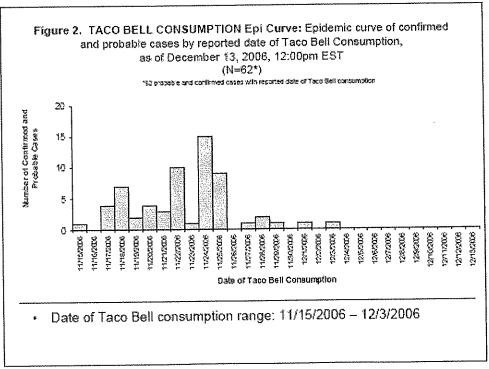






CDC IAP Number 7: E. coli O157 Outbreak





ICS 201 - CDC

5. PREPARED BY (NAME AND POSITION)

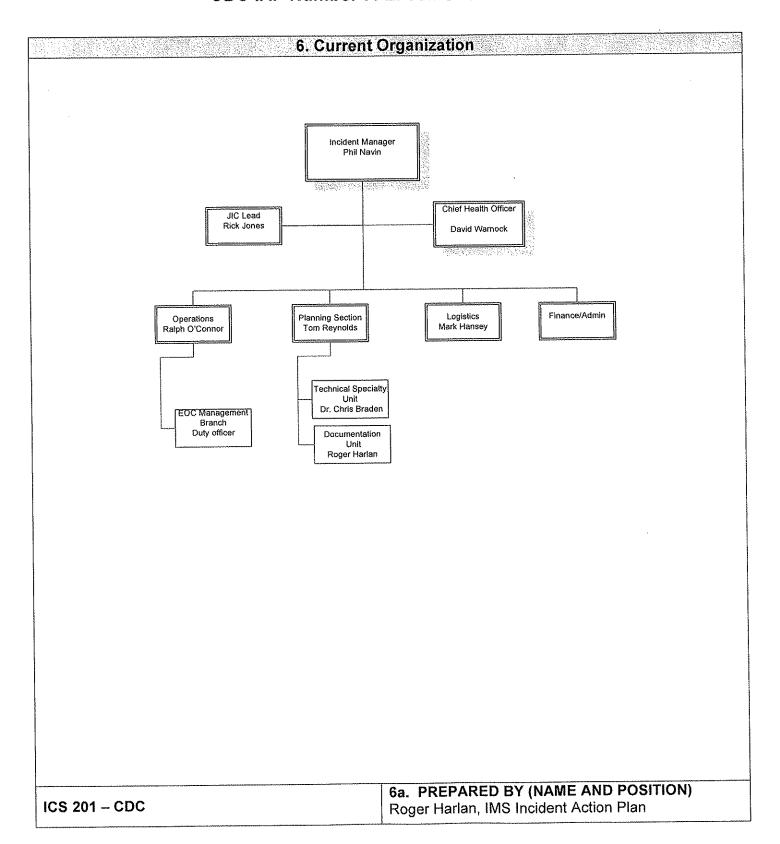
IMS Tech Specialty Unit/GIS Sections





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CDC IAP Number 7: E. coli O157 Outbreak







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CDC IAP Number 7: E. coli O157 Outbreak

		7a. Resou	rces Deplo	yed	
Resources Ordered	Resources Identified	ETA	On Scene (Y / N)	Location / Assignment	ARF / MA #
Immuno STAT kit	1	12-12-06	Y	Smyrna, DE	IMS Task Tracker # 87

	7b. Resources Pending Deployment						
Resources Ordered	Resources Identified	ETA	On Scene (Y / N)	Location / Assignment	ARF / MA #		
None							
ICS 201 – CDC			7c. PREPARED BY (NAME AND POSITION) Roger Harlan, IMS Incident Action Plan				

Page 7 of 12







CDC IAP Number 7: E. coli O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- · Restaurant case control study:
 - o 46 cases: 92 controls interviewed.
 - Association with Taco Bell is very strong from the analyzed data.
- Food item case control study:
 - o 66 cases, 80 controls interviewed.
 - o Analysis has statistical links with lettuce, beef and cheese.
- CDC would like to continue control recruitment.
- Case control analysis is ongoing.
- CDC has 55 exact PFGE matches to the outbreak strain.
- CDC is anticipating PFGE testing results on December 13 from the IA and MN DOH associated with the Taco
 John cases.

FDA Activities:

- Based on preliminary case control study by the CDC, the FDA has requested trace back documentation for lettuce used in the Taco Bell stores.
- FDA is in the process of matching up the product lots to the stores.
- FDA held discussion concerning when focus will shift from raw food to name a specific item (like lettuce).
- FDA working to trace back process on lettuce. FDA has store information (from states for affected stores). Investigation is ongoing, no results yet.
- FDA suggested contact with Public Health Canada.

USDA Activities:

- Based on preliminary case control study by the CDC, the USDA is focusing on ground beef.
- USDA focus is on the product safety standards in production, required testing and self imposed sample testing.
- Reports indicate that all finished product reached the required temperatures.
- All test results performed, required or not, have come back negative.
- At this time evidence does not support further action at the production facilities.

State Activities:

- CA
- No cases, no update.
- CT
- Nothing to report.
- DE
- o New suspect case with onset date of 12/4.
- NH
- The possible case is a full-time college student in New Hampshire but is a Massachusetts resident.
 PFGE test results will be back on Friday 12/5.
- One suspect case who ate at a Taco Bell with previously confirmed cases.
- NJ
- o Most recent onset is 12/7.
- o Providing information on matching PFGE patterns that do not match the Taco Bell pattern.
- NY
- o Latest confirmed and probable cases have an onset date of 12/4.







CDC IAP Number 7: E. coli O157 Outbreak

- PA
- o The 12/6 case is not from a store that is part of the previously implicated Taco Bell cases.
- No onset dates after 12/7.
- When questioned about suspect cases on 12/5, it would correlate when media stories started.
- SC
- No new cases.
- UT
- Cases dropped out because the PFGE pattern did not match the outbreak.

CDC JIC Report: - Joint Information Center (JIC) Update 12/13/2006

Documents currently in development:

- Questions and Answers about E. Coli O157:H7 Outbreak in Taco Bell sent for clearance 12/13/06
- What CDC and Other Agencies Are Doing in Response to the Outbreak of E. coli O157:H7 Infections sent for clearance 12/12/06
- GIS Map of Taco Bell physical locations in development (with DFBMD epi team)
- Timeline of E. coli infection (detailed) in development (with DFBMD epi team).

Team Actions/Notifications

- As requested by ADCS Dave Daigle, New Jersey and New York members of the National Public Health Information Coalition were alerted to our daily postings for the E coli update.
- A member of the ECS Policymaker Team will be attending the Waxman Joint CDC/FDA briefing (Washington DC) that will be occurring at 3:30pm on 12/14. He will provide notes to the JIC following that meeting.

Inquiries to CDC Hotlines:

COCA emails	1
CDC-INFO calls	8
CDC-INFO emails	2
CDC-INFO emails escalated to COCA	1

Media Inquiries:

As of 3pm 12/13 total media calls: 12

Research Team Media Report

Number of Media Stories on 12.12.06 = 743 (down from 890 on 12.11; source: Google News Search)

The following themes were observed in media headlines appearing on 12.12.06. News reports may not reflect findings of the investigation.

 The source of the outbreak is not green onions, but rather is a "mystery" and the investigation may continue for some time.

Sample Headline: "Lack of E.coli source may prolong Taco Bell crisis"
Sample Headline: "Source of E. coli still a mystery as state continues testing"

The cases of illness in Minnesota have been linked to those in Iowa.

Sample Headline: "E. coli outbreak widens in Minnesota"

Sample Headline: "E. coli cases spread in southern Minnesota"







CDC IAP Number 7: E. coli O157 Outbreak

- Taco Bell is assuring customers via public relations campaign that its food is safe.
 Sample Headline: "Taco Bell aims to persuade customers its food is safe"
 Sample Headline: "Taco Bell says food safe; source of E. coli still a mystery"
- The systems in place for ensuring food safety need attention and action.
 Sample Headline: "E. coli outbreaks reveal holes in food safety net"
 Sample Headline "Third E.coli outbreak this year has spawned criticism of federal oversight"

Web Team Report

Postings on CDC E. coli website since last report, December 12 (as of 3:00 PM):

- December 12 Update: Multistate Outbreak of E. coli O157 Infection, November-December 2006 (http://www.cdc.gov/ecoli/current.htm)
- Spanish Translation: Questions & Answers: Sickness caused by E. coli (http://www.cdc.gov/ecoli/es/ga_ecoli_sickness.htm)

GovDelivery subscriptions to E. coli what's new page watch service

- Total subscriptions: 187 (up from 156 yesterday)
- Total clickthroughs: 99

Total traffic on all E. coli-related pages on CDC website, December 13 (as of 1 PM):

- Total: 8,770 views (as of 1 PM)
- Final total for yesterday: 21,883 views (down from 24,639 on Monday)
- Projection of today's page views is slightly less than yesterday's page views (see *Graph of traffic on all -E. coli-related webpages for the entire week so far* below)

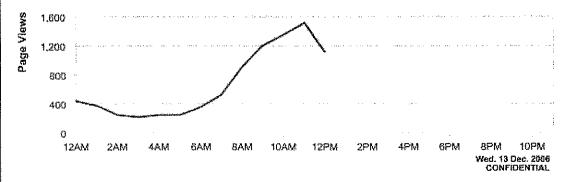
Total traffic on CDC E. coli home page (http://www.cdc.gov/ecoli/) December 13 (as of 1 PM):

- Total: 2,680 views (as of 1 PM)
- #18 on CDC Most Popular Pages (dropped from #16 at this time yesterday)

RSS clickthroughs on E. coli website, December 13 (as of 1 PM):

Total: 73 (as of 1 PM)

Graph of traffic on all -E. coli-related webpages today:



Selected Period

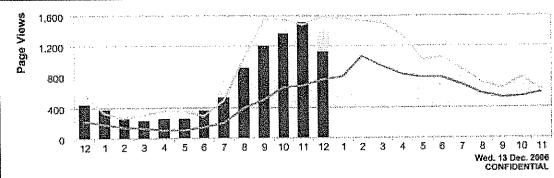
Graph of traffic on all -E. coli-related webpages today compared with yesterday and 1 week prior:







CDC IAP Number 7: E. coli O157 Outbreak



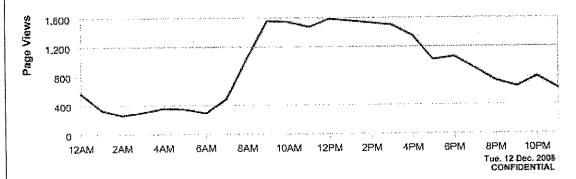
Selected Day

1 Week Prior

Forecast

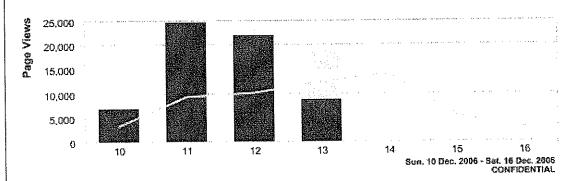
Yesterday

Final graph of traffic on all -E. coli-related webpages yesterday:



Selected Period

Graph of traffic on all -E. coli-related webpages for the entire week so far:



Selected Week

Forecast

Prior Week

ICS 201 - CDC

8a. PREPARED BY (NAME AND POSITION)

Roger Harlan, IMS Incident Action Plan





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CDC IAP Number 7: E. coli O157 Outbreak

			INCIDE	NT STA CDC-	TUS SU ICS 209		IARY				
1. Date 12/13/2006	2.	Initial Update	☐ 3. Incident Nan	ne oli 0157 0	utbreak		4. Incid	lent Numb	er		
5. Incident Manager 6. Chief Health Officer 7. Type of Incident Navin Dr. David Warnock Biological			nt 8. Cause 9. Activ		1	ivation Date/Time 7/06 08:30					
10. Total CDC Personr		red .	11. Total CDC OFF	RD Personne	Deployed	12. Ex	pected C	Completion	Date/T	íme	
13. Number of MAs Re Period: Total: 0		Period: Total: 0	I MAs Completed:	Period: Total: 0	er of ARFs Re				16. Nun Period: Total:	nber of ARFs Co	ompleted:
17. Deaths 18. Case O Confirme Probable Possible Suspect:	d: 48 : 23 : 2	N/A		N/A			y y poi.				
21. Current Weather- WS Temp	N/A	22. Predicted	I Weather- N/A Temp	23. Cost to Unknow						4. Estimated To Inknown	tai Cost
WD RH		WD	RH	5. CDC As	sets Deni	oved					
Resources	Lo	cation	Mission		Number of Personnel Assigned		Tea	m Lead	· · · · · · · · · · · · · · · · · · ·	% Mission Complete	TOTAL TEAMS
Teams											None
Equipment											
Immuno STAT ki	t Smy	/ma, DE	Ship test kits		0		Lo	gistics		100%	0
Total Personnel Deployed					0					TEAMS:	None
26, Significant Ever None	its					····					
27. Significant Issue	es										
28. Prepared by: Roger Harlan, IMS Incident Action P	lan	Thom	pproved by nas Reynolds, Planning Section Chi		0. Date	12/13/0)6		Tir	ne 18:00 EDT	
ICS 209 - CD	C	1									



IMS Operations Section Shift Change Brief



PERIOD OF: 0800 (8:00 AM) to 1630 (4:30 PM) - 12/13/2006

EMERGENCY RESPONSE COORDINATORS:

Briefer: Randy Riggs

Individual(s) Briefed: B-Shift Duty & Watch Officers (Willie Phillips, Nathan Pyles, & Marcy Dalziel)

THREAT LEVEL: ELEVATED - Yellow - National

SHIFT OBJECTIVES/TASKERS:

Review daily Meeting Notes, Shift Change Brief and DEOC Request System (DRS).

• Participate in all E. coli conference calls.

Maintain IMS Task Tracker (DRS).

 Maintain accountability of personnel supporting the event using PWMS and User Accountability System (Admin Staff).

• Distribute IAP on Taco Bell E. coli outbreak.

NEW MISSION TASKS:

None

SIGNIFICANT ACTIVITIES:

Request for Immuno STAT Kit (DRS # 87). Closed

SIGNIFICANT REQUESTS FOR INFORMATION / ASSISTANCE:

• None

ONGOING ACTIVITIES:

• Conference calls (0830, 0930, & 1400)

• Complete a Shift Change brief document and update your relief with actions that occurred during the shift.

Multi-state E. coli 0157 / Taco Bell Outbreak

Wednesday, December 13, 2006 Updated numbers for

Information for internal use only

Table 1. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak reported to CDC as of December 13, 2006, 12:00pm EST

Suspect	-	~	43	338	80	0	463
Possible	0		0	_	0	0	7
Probable	0	0	10	7	9	0	23
Confirmed	2	0	23	15	7	-	48
State	DE	丟	S	ŻN	PA	SC	Grand Total

- 6 states reported cases
- 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
 - 48 confirmed, 23 probable, 2 possible, and 463 suspect cases reported to CDC
 - 71 confirmed and probable cases reported publicly

Table 2. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 13, 2006, 12:00pm EST

1	Grand Tetal
14	PA
22	NY
34	ſN
	DE
Total	State of Taco Bell

E. coli 0157 / Taco Bell outbreak, as of December 13, 2006, 12:00pm EST Table 3. Demographic characteristics of confirmed and probable cases in the

Demographics	
Age in years, range (median), (N=68)	17.5 (4-61)
Age Categories, n (%), (N=68)	
< 5 years	1 (2)
5 - 17 years	33 (49)
18 - 59 years	32 (47)
> 59 years	2 (3)
Gender, n (%). (N=69)	
Female	36 (52)
Male	33 (48)

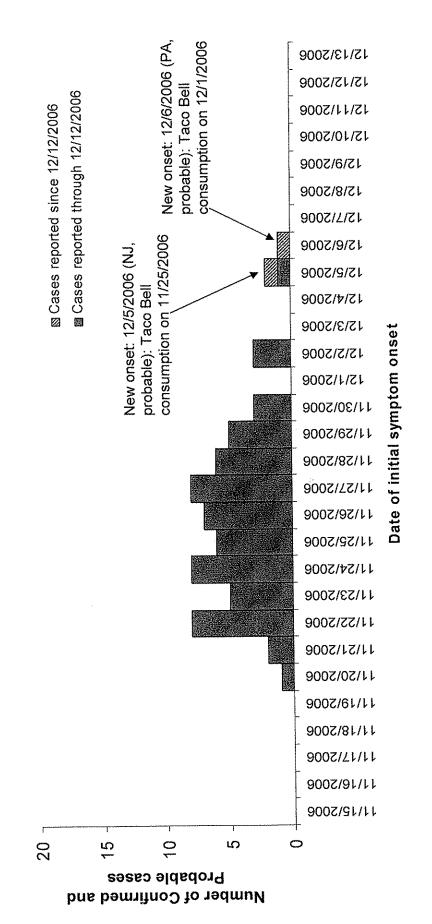
Table 4. Patient outcomes for confirmed and probable cases in the E. coli O157 / Taco Bell outbreak, as of December 13, 2006, 12:00pm EST

		- !	5-51	
HIIS Cases, N=8	Median age (years)	श्रद्धवाद्या वहुर (१८दा ५)	Range (years)	
T (%) L	53 (75)	2 (77)		(0) 0
Outcome, N=/1	Hospitalized	- (HOS	Death

*Cases with missing outcome information were considered to not have outcome

Figure 1. Epidemic curve of confirmed and probable cases in the E. coli 0157 Taco Bell outbreak, as of December 13, 2006, 12:00pm EST (N=65*)

*65 probable and confirmed cases with reported date of initial symptom onset

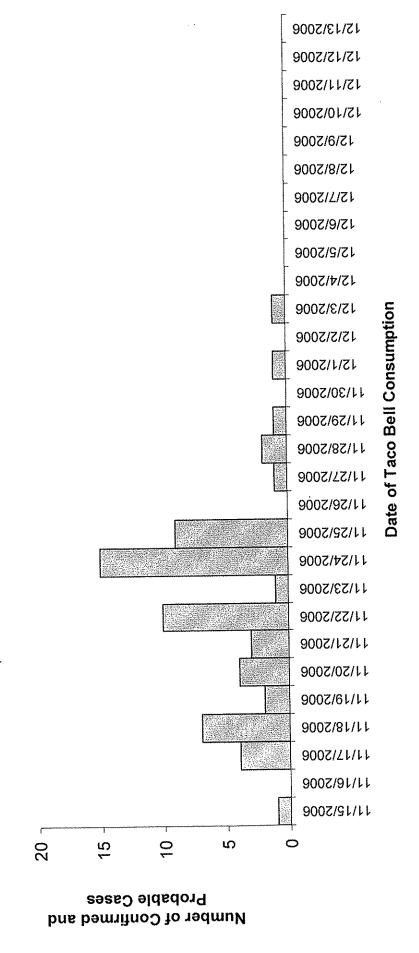


Illness onset range: 11/20/2006 - 12/6/2006

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 13, 2006, 12:00pm EST

(N=62*)

*62 probable and confirmed cases with reported date of Taco Bell consumption



Date of Taco Bell consumption range: 11/15/2006 - 12/3/2006

12/13/2006

CDC: E. coli Response Activities CDC IMS Planning Section

0830 CDC Internal Meeting- Exec Conf Room

Phil NavinGail WilliamsBruce BurneyClint MatthewsDavid WarnockRob TauxeChris BradenCapt. O'ConnorPatty GriffinKaren DeasyPeter Gerner-SmidtMichael Johnson

Current Staff Rhythm:

0830 CDC Internal call and Update
0930 CDC/HHS/FDA Conference Call
1200 Final Case Count Cut-off
1400 State Partners Conference Call (*E. coli*)
1800 IAP Distribution

E. coli Update

Dr. Warnock-Chris Braden

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Congressional

Nothing to report

Plans Update

• Nothing to report

Ops Update

• Still here to support AAR.

HHS/FDA/CDC/USDA Call 0930

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- REC Region III
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- REC Region IX
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- Review of beef and poultry products.
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HHS Update

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Summary CDC Internal Meeting, 0830 CDC/FDA/HHS Conference Call, 0930

General Information

- There is a new case reported with onset on 12-5 and exposure 12-3.
- Yum! Brands team of executives will be meeting with the CDC today to discuss response strategies to the outbreak.
- IA and MN DOH will be invited to participate in the 1400 conference calls and should be, starting today.

E. coli Update

- There are 47 confirmed cases in five states (DE, NJ, NY, PA and SC)
- There are 20 probable cases in three states (NJ, NY and PA)
- There are 474 suspect cases in six states (DE, NH, NJ, NY, PA and UT)
- There are 54 exact matching PFGE patterns.

FDA Update

- Based on preliminary case control study by the CDC, the FDA has requested trace back documentation for lettuce used in the Taco Bell stores.
- FDA is in the process of matching up the product lots to the stores.
- FDA held discussion concerning when focus will shift from raw food to name a specific item (like lettuce).

USDA Update

- Based on preliminary case control study by the CDC, the USDA is focusing on ground beef.
- USDA focus is on the product safety standards in production, required testing and self imposed sample testing.
- Reports indicate that all finished product reached the required temperatures.
- All test results performed, required or not, have come back negative.
- At this time evidence does not support further action at the production facilities.

Media Update

- The JIC is working on the following documents for release:
 - o Questions and Answers about E. Coli O157:H7 Outbreak in Taco Bell sent for clearance 12/13/06
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CDC IAP Number 6: E. coli O157 Outbreak

1. Incident Name	2. Operational Period (Dat	e/Time)	3. Documents Attached
E. coli O157 Outbreak	From: 12/12 18:00 Hours EST To: 12/13 18:00 Hours EST		1. ICS 201 2. ICS 209
4. IMS Position	4a. Staff Member	5. IMS Mailbox	6. Phone number
Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov	770-488-7100
Chief Health Officer	Dr. David Warnock	IMS Chief Health/Science Officer eocchiefhealthscienceofficer@cdc.	.gov 404-553-7737
Operations Section Chief	CAPT Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Cl eocplansectionchief@cdc.gov	hief 404-553-7815
Logistics Section Chief	Mark Hansey	IMS Logistics Section Chief eoclogsectionchief@cdc.gov	770-488-7100
Finance/Admin Section Chief		IMS Fin & Admin Section Chief eocprocfinancechief@cdc.gov	770-488-7100
IMS JIC Lead	Rick Jones	eocjicleadership@cdc.gov	404-202-1030
IMS Safety Official		eocsafety@cdc.gov	404-639-2432
Duty Officer		eocreport@cdc.gov	770-488-7100

7. Current Situation/Threats:

Seven states are now reporting cases to date. Five of the states have reported confirmed or probable case for a total of 67 cases reported. Food consumption/restaurant histories are continuing. Completed Interviews for cases under investigation reveal that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets continue to range from 11/20 to 12/05. Other cases under investigation had illness onset as recent as 12/8. PFGE information for 59 case isolates is now available, and PFGE testing on remaining isolates is underway.

The source of the outbreak has not been determined though it is presumed to be a contaminated food or foods. CDC is working with state and local health officials, the Food and Drug Administration (FDA), the Department of Agriculture (USDA), and the restaurant chain to determine what food caused the outbreak. These investigations include an ongoing study that involves interviews of ill and well Taco Bell restaurant patrons about what food items they consumed. By comparing foods consumed by ill and well persons, investigators can show statistical links to particular food ingredients. Public health officials are focusing on ingredients that were consumed by many ill persons and fewer well persons. Of these ingredients, those consumed raw are of particular interest. This analysis is also demonstrating that onions of any type are probably not linked to this outbreak. Health officials and the restaurant chain are working collaboratively to learn more about the ingredients of particular interest to help pinpoint the food that caused the outbreak and to determine how it became contaminated.

E. coli Update, 541 Case Counts as of 12:00pm December 12

541 Confirmed/Probable/Suspect cases total, in 7 states*

State	Confirmed Cases Reported	Probable Cases Reported	Suspected Cases Reported
DE	2	0	3
NH	0	0	1
NJ	23	7	42
NY	14	8	347
PA	7	5	80
SC	1 1	0	0
UT	0	0	1
Total:	47	20	474

*Only confirmed and probable cases are being reported to the public at this time.

Hospitalized: 51 (76%)

Hemolytic Uremic Syndrome (HUS): 8 (12%)

Deaths: 0





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CDC IAP Number 6: E. coli O157 Outbreak

8. Planning Assumptions:

- 1. No known intentional foodborne threats have been identified by intelligence sources.
- 2. The outbreak vehicle still has not been confirmed at this time. However, food testing is continuing.
- 3. The peak of the outbreak was in the last week of November; the number of new cases being identified has declined substantially.
- 4. We anticipate maintaining the current staff rhythm for the rest of this week.

9. Planning Objectives:

- 1. Continue to pursue the identification of the food vehicle for the outbreak with USDA, FDA, the restaurant chain, state and local health officials.
- 2. Maintain situational awareness of media interest, reports, etc. of outbreak events.
- 3. Continue to coordinate with FDA, DHHS and the states for information messaging to the public.
- 4. Continue to collect case counts from the states for reporting to the media and the public from the 12:00 noon electronic data submitted by the affected states.
- 5 Continue detailed analysis of case control data collected and recruit additional controls.

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Monitor for any requests from the States for personnel augmentation for the event.						
11. Special Equipment/Supplies Needed for Assignment (if any)						
• N/A						
12. Special Environmental Considerations (if any)	12. Special Environmental Considerations (if any)					
• N/A						
13. Special Site-Specific Safety Considerations (if any)						
• N/A						
14. Other Attachments (if any)						
п Мар						
5. PREPARED BY (NAME AND POSITION)						
ICS 202 – CDC	Roger Harlan, IMS Incident Action Plan					







CDC IAP Number 6: E. coli O157 Outbreak

MARCHE PRINCIPALITY	1. Incident Name E. coli O157 Outbreak	2. Date 12/12/06	3. Time 18:00 EDT
INCIDENT BRIEFING	E. Coll O137 Outbreak	12/12/00	10.00 LD1
	4 Map and Epidem	iiological Data	

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 12, 2006, 12:00pm EST

State	Confirmed	Probable	Suspect
DE	2	0	3
NH	0	0	1
NJ	23	7	42
NY	14	8	347
PA SC	7	5	80
SC	4	0	Q
UT	. 0	0	1
Grand Total	47	20	474

- 7 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 47 confirmed, 20 probable, and 474 suspect cases reported to CDC
 - 67 confirmed and probable cases reported publicly



Department of Health and Human Services Centers for Disease Control and Prevention SAFER-HEALTHIER-PEOPLE?



CDC IAP Number 6: *E. coli O157* Outbreak

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 12, 2006, 12:00pm EST

State of Taco Bell	Total
DE	1
NJ	31
NY	22:
PΑ	13
Grand Total	67

Table 3. Demographic characteristics of confirmed and probable cases in the *E. coll* O157 / Taco Bell outbreak, as of December 12, 2006, 12:00pm EST

Demographics	
Age in years, range (median), (N=64)	17 (4-61)
Age Categories, n (%), (N=64)	
< 5 years	1 (2)
5 - 17 years	33 (52)
18 - 59 years	28 (44)
> 59 years	2 (3)
Gender, n (%), (N=50)	
Female	34 (52)
Male	31 (48)

Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 12, 2006, 12:00pm EST

Outcome, N=67	n (%)	HUS Caces, N=3	
Hospitalized	51 (76)	Median age (years)	91
HUS	3 (12)	Range (years)	5-51
Ceath	0 (0)		

*Cases with missing extreme information were considered to not have outcome $% \left\{ \mathbf{r}_{i}^{\mathrm{T}}(\mathbf{r}_{i}^{\mathrm{T}})\right\}$



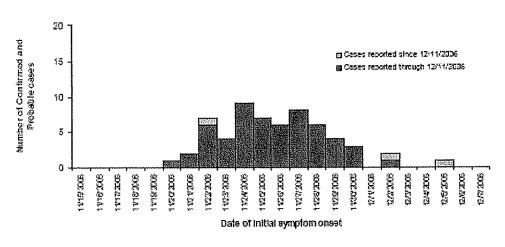




CDC IAP Number 6: E. coli O157 Outbreak

Figure 1. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 12, 2006, 12:00pm EST (N=60*)

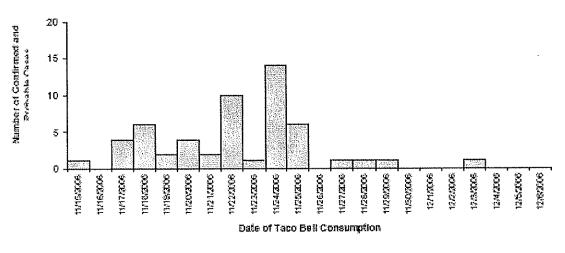
"50 processe and confirmed cases with reported date of initial symptom once!



Illness onset range: 11/20/2006 – 12/5/2006

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 12, 2006, 12:00pm EST (N=54*)

"54 probable and confirmed cases with reported date of Taca Seli consumption



Date of Taco Bell consumption range: 11/15/2006 – 12/3/2006

ICS 201 - CDC

5. PREPARED BY (NAME AND POSITION)

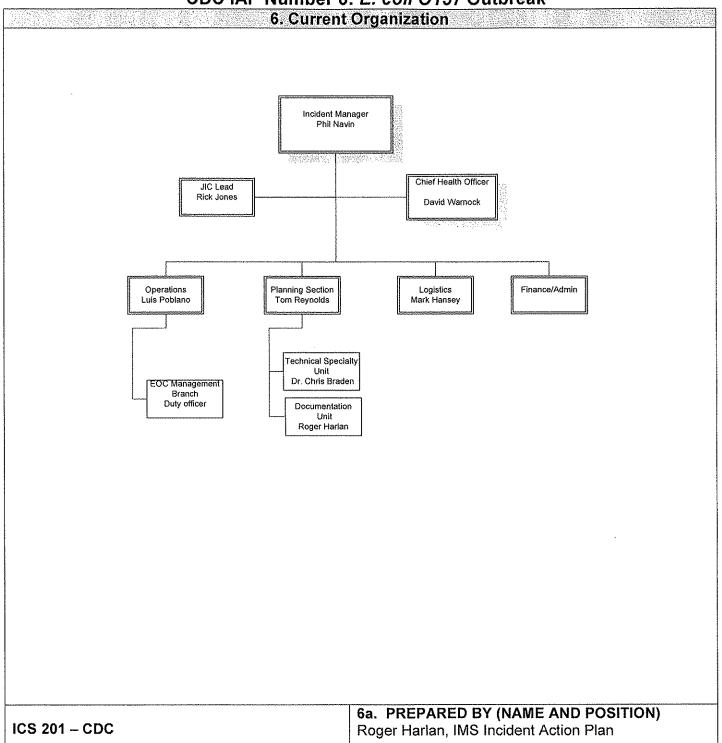
IMS Tech Specialty Unit/GIS Sections





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CDC IAP Number 6: E. coli O157 Outbreak







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CDC IAP Number 6: E. coli O157 Outbreak

7a. Resources Deployed							
Resources Ordered	Resources Identified	ETA	On Scene (Y / N)	Location / Assignment	ARF / MA #		
Immuno STAT kit	1	12-12-06	Υ	Smyrna, DE	IMS Task Tracker # 87		
2							

1. 多数10 多数数10 数数10 数数10 数	7b. Re	esources	Pending Depl		
Resources Ordered	Resources Identified	ETA	On Scene (Y / N)	Location / Assignment	ARF / MA #
None					
					-

ICS 201 – CDC		7c. Rog	PREPARED B' er Harlan, IMS Ind	Y (NAME AND POS cident Action Plan	SITION)







CDC IAP Number 6: E. coli O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - o 62 Cases, 71 controls interviewed.
 - o Interview data is being cleaned and analyzed.
- Recruiting additional controls around affected stores.
- Further clarifying ingredients and quantities with Yum! Brands.
- CDC is anticipating PFGE testing results on December 13 from the IA and MN DOH associated with the Taco
 John cases.

FDA Activities:

- FDA had previously requested and has received processing and distribution records for both lettuce and cilantro.
- Based on the preliminary data from the cases control study by CDC, the FDA has now requested processing and distribution data on cheese for trace back.
- FDA and CDC held a joint press conference December 11, and provided an overview of how an outbreak response unfolds. FDA Laboratory results were discussed (negative E coli in the original green onion samples and broth provided by Taco Bell). Questions from the press focused on how funding effects outbreak response and the need for tighter regulations. FDA discussed that even though there are some "lessons learned" from the previous spinach related E coli outbreak, the two outbreaks are very different in nature in that the spinach was identified from the start and this outbreak the vehicle will only be identified through investigation.

USDA Activities:

- Given the case control study, USDA will focus on ground beef.
- There is a single processing plant, in Iowa. Inspectors are at the plant and verifying the steps, in house samples and plant records. The plants have a very aggressive self imposed testing process.
- FSIS is conducting an onsite evaluation of the beef company's records, testing procedures and library samples. Results are expected to be submitted in AM hours of December 13.
- Investigators visited the Burlington distribution facility.
 - The same beef products were handled by multiple distribution facilities inside and outside the outbreak area.

State Activities:

- NY
 - o Remain at 14 and 8 today. (one probable case dropped and one added).
 - o Onset dates from 11-20 to 11-30 (exposure dates from 11-18 to 11-29)
 - o Among suspect cases latest onset is 12-7
 - o Conducting testing on 197 opened and unopened food samples
- NJ
- VA case (NJ resident) no contact with patient.
- o Have 3 PFGE matches that deny Taco Bell exposure.
- o One did report eating at a KFC. They use a different lettuce, but same supplier.
- o 23 and 7 is correct.
- PA
- o Added a probable case. Onset of 12-3 with an O157 received treatment. Sample is being tested.
- Onset dates from 11-21 to 12-7 on suspect cases.
- One new case reported. The new case ate at a restaurant that has confirmed cases already reported.
- This restaurant was closed as of 12-5. There are workers that reported illness and are suspect cases with sample testing pending.







CDC IAP Number 6: E. coli O157 Outbreak

- CA
- One case from yesterday is different pattern. It is removed.
- No other information.
- CT
 - Nothing new to report.
- DE
- Two of three samples from suspect cases were shiga toxin negative.
- o 12-7 is latest onset for suspect case.
- SC
 - No new information.
- UT
- o No new case.
- O Suspect case testing is negative, sample is forwarded to state lab for confirmation testing.
- MO
 - o Has suspect cases, but with not confirmed or probable then it does not meet the case definition.
- VA
 - Nothing to report.
- NH
 - One new case who is a college student from Massachusetts with exposure in NH and an onset date of December 6. The case is still under investigation.

CDC JIC Report: - Joint Information Center (JIC) Update 12/12/2006

Documents currently under development:

What CDC and other agencies are doing.

Revised Q&A Document

DEOC/GIS working with NZVED staff to develop map of restaurant locations

Postings on CDC E. coli website since last report, December 11 (as of 3:00 PM):

- December 11 Update: Multistate Outbreak of E. coli O157 Infection, November-December 2006 (http://www.cdc.gov/ecoli/current.htm)
- December 11 Map of States where Persons with Illness Live (http://www.cdc.gov/ecoli/2006/december/statesmap121106.htm)
- December 11 Map of States with Taco Bell Restaurants Where Persons With Confirmed Cases (Infected With the Outbreak Strain) Have Eaten (http://www.cdc.gov/ecoli/2006/december/restaurantsmap121106.htm)

GovDelivery subscriptions to 'E. coli what's new' page watch service

• Total subscriptions: 156

Total traffic on all E. coli-related pages on CDC website, December 12 (as of 2 PM):

- Total: 11.699 views (as of 2 PM)
- Final total for yesterday: 24,639 views
- Projection of today's page views is slightly less than yesterday's page views (see *Graph of traffic on all -E. coli-related webpages for the entire week so far* below)

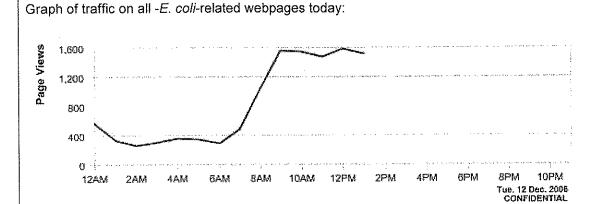
Total traffic on CDC E. coli home page (http://www.cdc.gov/ecoli/) December 12 (as of 2 PM):

- Total: 3.700 views (as of 2 PM)
- Final total for yesterday: 8,751 views
- #16 on CDC Most Popular Pages (dropped from #12 at this time yesterday)



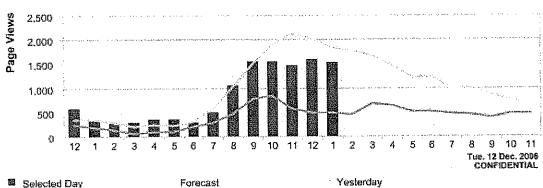


CDC IAP Number 6: E. coli O157 Outbreak



- Selected Period

Graph of traffic on all -E. coli-related webpages today compared with yesterday and 1 week prior:

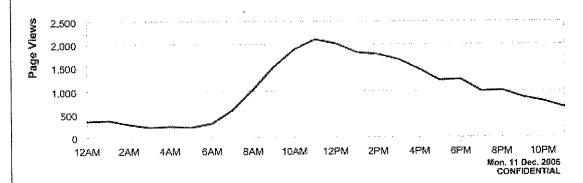


- 1 Week Prior

Forecast

Yeslerday

Final graph of traffic on all -E. coli-related webpages yesterday:



- Selected Period

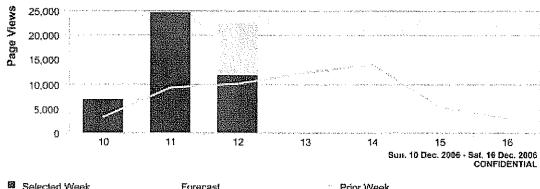






CDC IAP Number 6: E. coli O157 Outbreak

Graph of traffic on all -E. coli-related web pages for the entire week so far:



Selected Week

Prior Week

Media Inquiries courtesy of CDC/Division of Media Relations: 12/12 - 8 calls

Inquiries to the Clinician Outreach Communication Activity (COCA), 1800-CDC Info, and COCA email inquiries courtesy of the Clinician Communication Team:

COCA emails=0

CDC-INFO calls=8

CDC-INFO emails=12

CDC-INFO emails escalated to COCA=1

Community Health Education Team Activities

- Posted the Low Lit Q&A document on E coli (English)
- Spanish translation of the same document has been completed and is awaiting posting.

Document Title: Questions & Answers: Sickness caused by E. coli www.cdc.gov/ecoli/ga ecoli sickness.htm

Research Team Media Analysis Report

On T/TH the JIC Research team performs a comprehensive review of multiple media outlets for publication in the CDC IAP for E Coli. The following report has been submitted for the 12/13 IAP:

Number of Media Stories on 12.11.06 = 890 (up from 386 on 12.9; source; Google News Search)

The following themes were observed in media headlines appearing on 12.11.06.

News reports may not reflect findings of the investigation.

Despite the results of test results reported by Taco Bell, federal officials have not yet determined that the source of the outbreak.

Sample Headline: "FDA can't confirm green onions link to Taco Bell outbreak"

Sample Headline: "Source of Taco Bell E.coli still a mystery"

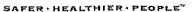
The processing and increased shelf life of fresh produce increase the number of chances for contamination. Sample Headline: "Produce Trail Leaves Vulnerable Points"

Summary Report: 12.8 - 12.11.06

The following summary is based on data collected from 12/8 to 12/11/06.

Unless otherwise indicated, the results are based on examination of 134 stories. Note that some percentages will not sum to 100 due to rounding error.







CDC IAP Number 6: E. coli O157 Outbreak

Observations from this summary include:

- Noticeable change (compared stories analyzed for 12.7 summary) in the distribution of topics, including marked increases in the frequency of "Industry Response" and "Blame and Responsibility" topics.
- Substantial increase (compared stories analyzed for 12.7 summary) from 23% to 49% in stories mentioning the CDC.
- A substantial proportion of stories implying that the source of the outbreak had been determined as green onions at Taco Bell restaurants.

News Source Type

Record the type of media outlet in which the story appeared.

1. Newspaper = 71%
2. Network television = 4%
3. Cable Television = 0%
4. Local Television = 1%
5. News website = 25%

Story Location

Record the location of the story as it appears in the media outlet. For video, the lead story is the first story in the broadcast.

(N = 129)

1. Front page or home page or lead (video) = 7%
0. Any other location = 93%

Byline

Record the source: the organization or individual responsible for the content of the story.

(N = 133)

1. reporter/staff = 48%

Reporter/staff = a specific individual's name is attached to the story or the source is given as "staff"

2. wire service 49%

Wire Service = AP, Reuters, UPI or other wires service is credited

3. wire/staff 09

The story is a wire service story with some edits by the staff

4. other 1%

Source not described by any other option

5. indeterminate 2%

The source is not given or can't be determined

Topic

Assign the story a primary topic based on the headline and the first paragraph of the text. (N = 133)

Investigative Efforts/Status	25%
2. Public Health Impact	10%
3. Event Facts/background Information	23%
4. Rescue/First Responder Efforts	0%
5. Recommended Actions	0%
6. Industry Response	13%
7. Community Response	2%
8 Government Response	5%







CDC IAP Number 6: E. coli O157 Outbreak

9. Corrective Actions Needed	3%
10. Economic Impact	3%
11. Blame and Responsibility	13%
12. Recovery Efforts	0%
13. Human interest	2%
14. Other	2%

Unaffiliated Source

The story may quote an individual with knowledge/expertise regarding the event without mentioning his/her affiliation with any organization. If so, code "yes."

1. yes = 46% 0. no = 54%

Organizational Source

The story may quote one or more individuals with knowledge/expertise regarding the event and give the name of an organization he/she is affiliated with. Or, it may attribute information to "staff" or "sources" of an organization without mentioning any particular individual. If so, code "yes" and record the name of the organization(s).

1. yes (record organization name) = 86% 0. no = 14%

CDC Mention

If there is any mention of the CDC at all, code "yes."

1. yes = 49% 0. no = 51%

CDC Spokespersons

The story may quote one or more individual with knowledge/expertise regarding the event that is associated with the CDC. If so, code "yes" and record the name of the individual(s).

1. yes (record individual name) = 9% 0. no = 91%

Public Health Risk Description

Does the story describe potential public health risks? This includes and information that would assist a person in assessing the level of personal risk represented by the event. Examples would include:

- · symptoms of disease or poisoning
- the possibility of death or various injuries
- the potential for widespread infection of a disease
- the probability of a hurricane making landfall
- the most likely targets of terrorist attacks
- Note reports of actual harm are recorded in the number of cases" variable. If so, code yes" and record the
 information.

(N = 133)

1. yes (record information) = 57% 0. no = 43%

Sample Descriptions

- 1) "E. coli, or Escherichia coli, is a common and ordinarily harmless bacteria, but certain strains can cause abdominal cramps, fever, bloody diarrhea, kidney failure, blindness, paralysis, even death."
- 2) "E. coli is found in the feces of humans and livestock. Most E. coli infections are associated with undercooked meat. The bacteria also can be found on sprouts or leafy vegetables such as spinach. The germs can be spread by people if they do not thoroughly wash their hands after using the bathroom."







CDC IAP Number 6: E. coli O157 Outbreak

Health Risk Level

How would a typical audience member judge the risk to themselves based on this story? Consider how severe the health threats described in item 12 are. What indication is given about who might be affected by the event and under what circumstances?

- 1. Low Risk
- 2. Moderate Risk
- 3. High Risk
- 4. No health risk description is given

(N = 133)

Summary: Average Rating = 1.0

Inaccurate Health Risk Description

Is there inaccurate or misleading information about health risks associated with the event? For example, there could be inaccurate reporting concerning

the danger posed by a radioactive material

If so, code yes" and describe the error.

the possibility of dying from an infection

the severity or likely path of a hurricane

1. yes (describe) = 0% 0. no = 100%

Prevention/protection Message

Does the story give directions on how one can avoid harm in the context of the current event? For example:

The FDA is advising consumers not to eat bagged, fresh spinach while it probes a multi-state outbreak of E. coli which has reportedly killed one person and sickened 50 others." The message should be in the form of explicit directions/instructions/advice.

If so, code "yes" and record the message.

1. yes (record) = 4% 0. no = 96%

Sample Messages

- 1) "Consumers who are concerned about the safety of fresh produce can take simple steps to minimize the dangers, food safety experts say. If *E. coli* is present, washing the produce will remove some of it; using vinegar to do so will kill most of the bacteria. Cooking food to 160 degrees for 15 seconds will kill any *E. coli* O157:H7, the FDA said."
- 2) "If a person has diarrheal illness . . . and ate at a Taco Bell restaurant within seven days before becoming ill, they should contact their health-care provider," the state health department said."

Inaccurate Prevention/protection Message

Is there inaccurate or misleading information regarding recommended protection/prevention measures? If so, code "yes" and describe the error.

1. yes (describe) = 0% 0. no = 100%

Resource Direction Message

Does the story direct the audience to sources of further information or assistance? (e.g., to CDC or FDA websites) If so, code "yes" and record the source(s).

1. yes (record) = 14% 0. no = 86%







CDC IAP Number 6: E. coli O157 Outbreak

Results Summary

Nearly all these messages directed audience members to one of two sources:

1) Taco Bell's 800 number

2) NIH website: www.nlm.nih.gov/medlineplus/ecoliinfections.html

Other Inaccurate Information

Is there inaccurate information about an aspect of the event not addressed by items 14 and 16? For example, a story could report inaccurate information regarding the known cause of a disease outbreak, the organization or individuals responsible for a terrorist attack, and so on. If so, code "yes" and describe the error.

1. yes (describe) =

49%

0. no =

51%

Summary:

The results for this variable reflect a substantial number of stories that either 1) made unqualified statements indicating that the source of the outbreak was known to be green onions served at Taco Bell restaurants, or 2) used some qualifying language but still gave the strong impression that these green onions were the source.

Sample texts:

- 1) "Test by independent lab found three samples of green onions that appeared to have a dangerous strain of bacterium"
- 2) "Taco Bell ordered scallions removed from its 5,800 U.S. restaurants Wednesday after tests suggested they may be responsible for the E. coli outbreak that has sickened at least three dozen people in three states. The fast-food chain said preliminary testing by an independent lab found three samples of green onions appeared to have a dangerous strain of the bacteria."
- 3) "Taco Bell officials said Saturday they had determined that scallions were the likely source of the bacteria."

Outbreak Source

Indicate what is reported with regard to the source of the outbreak. If no mention at all is made of this, enter 0. Otherwise, code "1" and summarize and record the reference (e.g., "source not determined", "source under investigation," "suspected source is Taco Bell" "Taco Bell," etc.)

1. yes (record) =

93%

0. no =

7%

Results Summary

Nearly all articles named Taco Bell in describing the likely source of the outbreak and most stories also mentioned green onions.

Number of Cases

If no information is given code as 0, otherwise enter the number reported.

cases reported =

86%

0. not reported =

14%

Results Summary

Most stories reported the number of ill individuals and there was substantial variation in the numbers reported, in part because some stories included numbers reported 36 cases from lowa while some dealt only with cases reported in the northeast. Stories also used various language in reporting cases as "possible," "suspected," or "confirmed."

Lowest reported number for the northeast:

46

Highest reported number for the northeast:

300

ICS 201 - CDC

8a. PREPARED BY (NAME AND POSITION)
Roger Harlan, IMS Incident Action Plan





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CDC IAP Number 6: E. coli O157 Outbreak

					INCIDEN		ATUS SI ICS 209		IARY	•			LALAM CONTRACTOR CONTR
1. Date	~~~~~~	2.	Initial		3. Incident Name	 		****	4. Incident Number				
12/12/2006 Update ⊠		1	E. coli O157 Outbreak										
5. Incident Manager 6. Chief Health Officer Phil Navin Dr. David Warnock		сег	7. Type of Incident Biological		8. Cause 9. Activation Restaurant 12/07/06				and the second s				
10. Total CDC Personnel Deployed 1		11.	Total CDC OFRD	Personne 0	el Deployed	12. Ex	pected C	Completic	n Date/	Time			
13. Number of MAs Received: 14. Number of I Period: Period: Total: 0 Total: 0		of MA				16. Number of ARFs Completed: Period: Total: 0		ompleted:					
17. Deaths 0	18. Cases Confirmed Probable: Suspect: 4	i: 47 20	19. Current l N/A	Numb	er of Evacuees	acuees 20. Current Number of Shelters Open N/A							
21. Current V	Veather- N	I/A	22. Predicte	d Wea	ather- N/A	23. Cost t	o Date				2	24. Estimated To	otal Cost
ws wd	Temp RH		ws wd		Temp RH	Unknow	n					Jnknown	
						. CDC A	ssets Depl	oyed					
Resources		Lc	ecation		Mission	· • • • • • • • • • • • • • • • • • • •	Number of Personnel Assigned		Tear	n Lead	-	% Mission Complete	TOTAL TEAMS
Teams													
													None
													-
Equipmen	ıt								. 1509-004 . 1509-004				
Immuno	STAT kit	Smy	/rna, DE	Shi	ip test kits		0		Log	gistics		100%	0
Total Person Deployed	nel						0					TEAMS:	None
26. Signific	cant Events	3											
	cant Issues		····								,		
28. Prepared	d by:		1		ed by	3	0.	************					
Roger Harla		n	1		eynolds, ing Section Chief		Date 1	12/12/08	3		Tir	ne 18:00 EDT	
ICS 209													







CDC IAP Number 6: E. coli O157 Outbreak

1. Incident Name	2. Operational Period (Da	3. Documents Attached	
E. coli O157 Outbreak From: 12/12 18:00 Hours EST To: 12/13 18:00 Hours ES		EST To: 12/13 18:00 Hours EST	1. ICS 201 2. ICS 209
4. IMS Position	4a. Staff Member	5. IMS Mailbox	6. Phone number
Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov	770-488-7100
Chief Health Officer	Dr. David Warnock	IMS Chief Health/Science Officer eocchiefhealthscienceofficer@cdc.	gov 404-553-7737
Operations Section Chief	CAPT Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Cf eocplansectionchief@cdc.gov	nief 404-553-7815
Logistics Section Chief	Mark Hansey	IMS Logistics Section Chief eoclogsectionchief@cdc.gov	770-488-7100
Finance/Admin Section Chief		IMS Fin & Admin Section Chief eocprocfinancechief@cdc.gov	770-488-7100
IMS JIC Lead	Rick Jones	eocjicleadership@cdc.gov	404-202-1030
IMS Safety Official		eocsafety@cdc.gov	404-639-2432
Duty Officer		eocreport@cdc.gov	770-488-7100

7. Current Situation/Threats:

Seven states are now reporting cases to date. Five of the states have reported confirmed or probable case for a total of 67 cases reported. Food consumption/restaurant histories are continuing. Completed Interviews for cases under investigation reveal that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets continue to range from 11/20 to 12/05. Other cases under investigation had illness onset as recent as 12/8. PFGE information for 59 case isolates is now available, and PFGE testing on remaining isolates is underway.

The source of the outbreak has not been determined though it is presumed to be a contaminated food or foods. CDC is working with state and local health officials, the Food and Drug Administration (FDA), the Department of Agriculture (USDA), and the restaurant chain to determine what food caused the outbreak. These investigations include an ongoing study that involves interviews of ill and well Taco Bell restaurant patrons about what food items they consumed. By comparing foods consumed by ill and well persons, investigators can show statistical links to particular food ingredients. Public health officials are focusing on ingredients that were consumed by many ill persons and fewer well persons. Of these ingredients, those consumed raw are of particular interest. This analysis is also demonstrating that onions of any type are probably not linked to this outbreak. Health officials and the restaurant chain are working collaboratively to learn more about the ingredients of particular interest to help pinpoint the food that caused the outbreak and to determine how it became contaminated.

E. coli Update, 541 Case Counts as of 12:00pm December 12

541 Confirmed/Probable/Suspect cases total, in 7 states*

State	Confirmed Cases Reported	Probable Cases Reported	Suspected Cases Reported
DE	2	0	3
NH	0	0	1
NJ	23	7	42
NY	14	8	347
PA	7	5	80
SC	1	0	0
UT	0	0	1
Total:	47	20	474

*Only confirmed and probable cases are being reported to the public at this time.

Hospitalized: 51 (76%)

Hemolytic Uremic Syndrome (HUS): 8 (12%)

Deaths: 0





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CDC IAP Number 6: E. coli O157 Outbreak

8. Planning Assumptions:

- 1. No known intentional foodborne threats have been identified by intelligence sources.
- 2. The outbreak vehicle still has not been confirmed at this time. However, food testing is continuing.
- 3. The peak of the outbreak was in the last week of November; the number of new cases being identified has declined substantially.
- 4. We anticipate maintaining the current staff rhythm for the rest of this week.

9. Planning Objectives:

- 1. Continue to pursue the identification of the food vehicle for the outbreak with USDA, FDA, the restaurant chain, state and local health officials.
- 2. Maintain situational awareness of media interest, reports, etc. of outbreak events.
- 3. Continue to coordinate with FDA, DHHS and the states for information messaging to the public.
- 4. Continue to collect case counts from the states for reporting to the media and the public from the 12:00 noon electronic data submitted by the affected states.
- 5. Continue detailed analysis of case control data collected and recruit additional controls.
- 6. Monitor for any requests from the States for personnel augmentation for the event.

11. Special Equipment/Supplies Needed for Assignment (if any) • N/A

12. Special Environmental Considerations (if any)

N/A

13. Special Site-Specific Safety Considerations (if any)

N/A

14. Other Attachments (if any)

□ Мар

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)
Roger Harlan, IMS Incident Action Plan





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CDC IAP Number 6: E. coli O157 Outbreak

	1. Incident Name	2. Date	3. Time
INCIDENT BRIEFING	E. coli O157 Outbreak	12/12/06	18:00 EDT
	4 Man and Enidem	iological Data	

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 12, 2006, 12:00pm EST

State	Confirmed	Probable	Suspect
DE	2	0	3
NH	0	0	1
N	23	7	42
NY	14	8	347
PA	7	5	80
PA SC	1	0	0
UT	0	0	1
Grand Total	47	20	474

- 7 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 47 confirmed, 20 probable, and 474 suspect cases reported to CDC
 - 67 confirmed and probable cases reported publicly





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CDC IAP Number 6: E. coli O157 Outbreak

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 12, 2006, 12:00pm EST

State of Taco Bell	Total
DE	1
NJ	31
NY	22
PA	13
Grand Total	67

Table 3. Demographic characteristics of confirmed and probable cases in the *E. coll* O157 / Taco Bell outbreak, as of December 12, 2006, 12:00pm EST

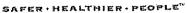
Demographics	
Age in years, range (median), (N=84)	17 (4-61)
Age Categories, n (%), (N=64)	
< 5 years	1 (2)
5 - 17 years	33 (52)
18 - 59 years	28 (44)
> 50 years	2 (3)
Gender, n (%). (N=60)	
Female	34 (52)
Male	31 (48)

Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 12, 2006, 12:00pm EST

Outcome, N=67	n (%)	HUS Cages, N=5	
Hospilařzed	51 (76)	Median age (years)	*1
HUS	8 (12)	Range (years)	<u>5-51</u>
Ceath	Ø (D)		

^{&#}x27;Cases with missing outcome information were considered to not have outcome



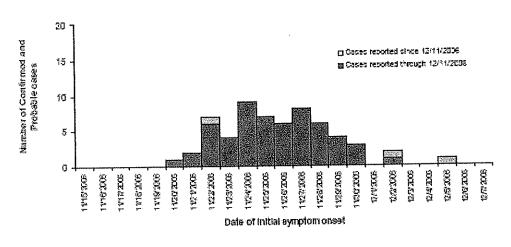




CDC IAP Number 6: E. coli O157 Outbreak

Figure 1. Epidemic curve of confirmed and probable cases in the E. coli O157 / Taco Bell outbreak, as of December 12, 2006, 12:00pm EST (N=60*)

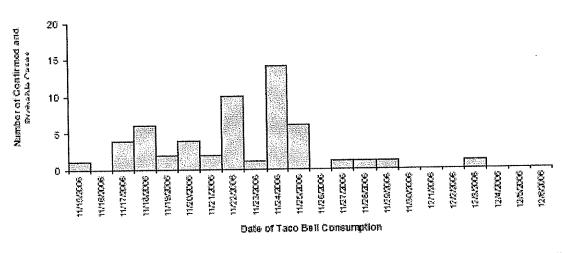
*50 present and confirmed cases with reported date of initial symptom onset



Illness onset range: 11/20/2006 – 12/5/2006

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 12, 2006, 12:00pm EST (N=54*)

"54 probable and confirmed cases with reparted date of Taca Bell consumption



Date of Taco Bell consumption range: 11/15/2006 – 12/3/2006

ICS 201 - CDC

5. PREPARED BY (NAME AND POSITION)

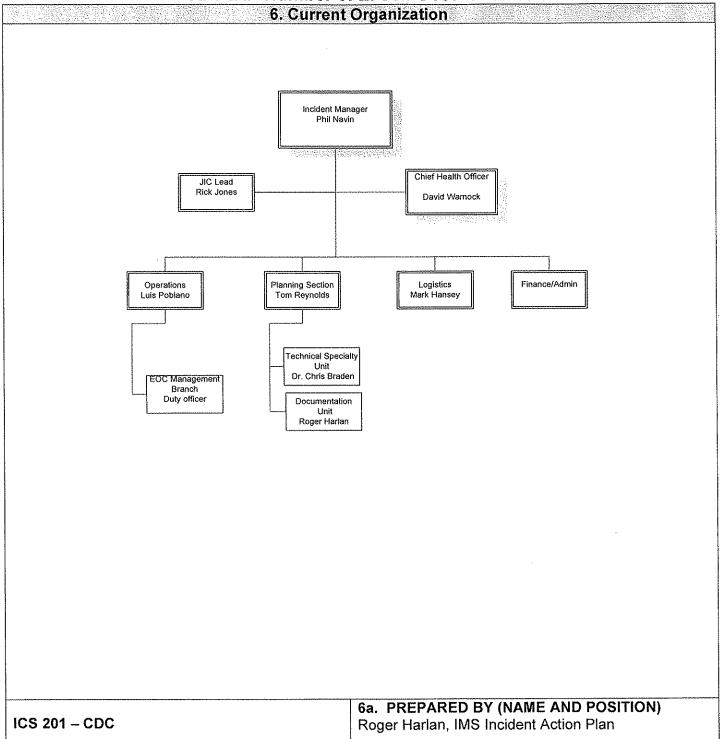
IMS Tech Specialty Unit/GIS Sections





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CDC IAP Number 6: E. coli O157 Outbreak







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CDC IAP Number 6: E. coli O157 Outbreak

		7a. Resou	rces Deplo	yed	
Resources Ordered	Resources Identified	ETA	On Scene (Y / N)	Location / Assignment	ARF / MA #
Immuno STAT kit	1	12-12-06	Υ	Smyrna, DE	IMS Task Tracker # 87
			1	<u> </u>	

	7b. Re	sources	Pending Depl			
Resources Ordered	Resources Identified	ETA	On Scene (Y / N)	Location / Assignment	ARF / MA #	
Vone						
					2	
ICS 201 – CDC			7c. PREPARED BY (NAME AND POSITION) Roger Harlan, IMS Incident Action Plan			

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CDC IAP Number 6: E. coli O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - o 62 Cases, 71 controls interviewed.
 - o Interview data is being cleaned and analyzed.
- Recruiting additional controls around affected stores.
- Further clarifying ingredients and quantities with Yum! Brands.
- CDC is anticipating PFGE testing results on December 13 from the IA and MN DOH associated with the Taco
 John cases.

FDA Activities:

- FDA had previously requested and has received processing and distribution records for both lettuce and cilantro.
- Based on the preliminary data from the cases control study by CDC, the FDA has now requested processing and distribution data on cheese for trace back.
- FDA and CDC held a joint press conference December 11, and provided an overview of how an outbreak response unfolds. FDA Laboratory results were discussed (negative E coli in the original green onion samples and broth provided by Taco Bell). Questions from the press focused on how funding effects outbreak response and the need for tighter regulations. FDA discussed that even though there are some "lessons learned" from the previous spinach related E coli outbreak, the two outbreaks are very different in nature in that the spinach was identified from the start and this outbreak the vehicle will only be identified through investigation.

USDA Activities:

- Given the case control study, USDA will focus on ground beef.
- There is a single processing plant, in lowa. Inspectors are at the plant and verifying the steps, in house samples and plant records. The plants have a very aggressive self imposed testing process.
- FSIS is conducting an onsite evaluation of the beef company's records, testing procedures and library samples. Results are expected to be submitted in AM hours of December 13.
- Investigators visited the Burlington distribution facility.
 - o The same beef products were handled by multiple distribution facilities inside and outside the outbreak area.

State Activities:

- NY
- Remain at 14 and 8 today. (one probable case dropped and one added).
- o Onset dates from 11-20 to 11-30 (exposure dates from 11-18 to 11-29)
- o Among suspect cases latest onset is 12-7
- o Conducting testing on 197 opened and unopened food samples
- NJ
- VA case (NJ resident) no contact with patient.
- Have 3 PFGE matches that deny Taco Bell exposure.
- o One did report eating at a KFC. They use a different lettuce, but same supplier.
- o 23 and 7 is correct.
- PA
- o Added a probable case. Onset of 12-3 with an O157 received treatment. Sample is being tested.
- o Onset dates from 11-21 to 12-7 on suspect cases.
- One new case reported. The new case ate at a restaurant that has confirmed cases already reported.
- This restaurant was closed as of 12-5. There are workers that reported illness and are suspect cases with sample testing pending.



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CDC IAP Number 6: E. coli O157 Outbreak

- CA
- One case from yesterday is different pattern. It is removed.
- No other information.
- CT
 - Nothing new to report.
- DE
- o Two of three samples from suspect cases were shiga toxin negative.
- o 12-7 is latest onset for suspect case.
- SC
 - No new information.
- UT
- o No new case.
- Suspect case testing is negative, sample is forwarded to state lab for confirmation testing.
- MO
 - o Has suspect cases, but with not confirmed or probable then it does not meet the case definition.
- VA
 - Nothing to report.
- NH
 - One new case who is a college student from Massachusetts with exposure in NH and an onset date of December 6. The case is still under investigation.

CDC JIC Report: - Joint Information Center (JIC) Update 12/12/2006

Documents currently under development:

What CDC and other agencies are doing.

Revised Q&A Document

DEOC/GIS working with NZVED staff to develop map of restaurant locations

Postings on CDC E. coli website since last report, December 11 (as of 3:00 PM):

- December 11 Update: Multistate Outbreak of E. coli O157 Infection, November-December 2006 (http://www.cdc.gov/ecoli/current.htm)
- December 11 Map of States where Persons with Illness Live (http://www.cdc.gov/ecoli/2006/december/statesmap121106.htm)
- December 11 Map of States with Taco Bell Restaurants Where Persons With Confirmed Cases (Infected With the Outbreak Strain) Have Eaten (http://www.cdc.gov/ecoli/2006/december/restaurantsmap121106.htm)

GovDelivery subscriptions to 'E. coli what's new' page watch service

Total subscriptions: 156

Total traffic on all E. coli-related pages on CDC website, December 12 (as of 2 PM):

- Total: 11,699 views (as of 2 PM)
- · Final total for yesterday: 24,639 views
- Projection of today's page views is slightly less than yesterday's page views (see *Graph of traffic on all -E. coli-related webpages for the entire week so far* below)

Total traffic on CDC E. coli home page (http://www.cdc.gov/ecoli/) December 12 (as of 2 PM):

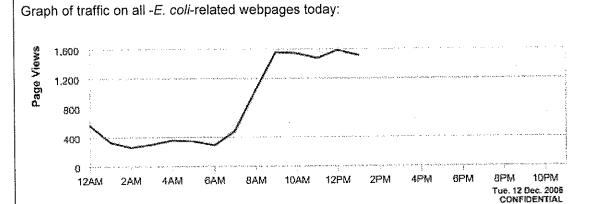
- Total: 3,700 views (as of 2 PM)
- Final total for yesterday: 8,751 views
- #16 on CDC Most Popular Pages (dropped from #12 at this time yesterday)





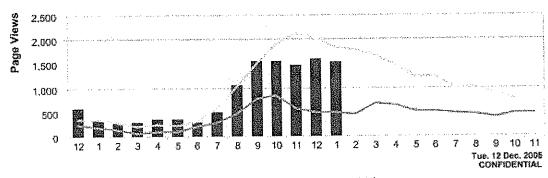
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CDC IAP Number 6: E. coli O157 Outbreak



Selected Period

Graph of traffic on all -E. coli-related webpages today compared with yesterday and 1 week prior:



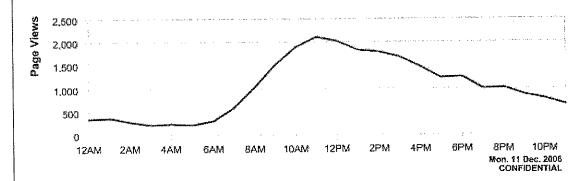
Selected Day

1 Week Prior

Forecast

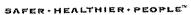
Yesterday

Final graph of traffic on all -E. coli-related webpages yesterday:



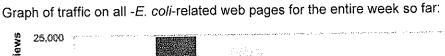
Selected Period

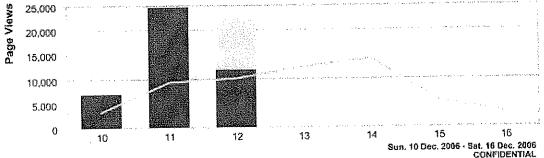






CDC IAP Number 6: E. coli O157 Outbreak





Selected Week

Forecast

Prior Week

Media Inquiries courtesy of CDC/Division of Media Relations: 12/12 - 8 calls

Inquiries to the Clinician Outreach Communication Activity (COCA), 1800-CDC Info, and COCA email inquiries courtesy of the Clinician Communication Team:

COCA emails=0

CDC-INFO calls=8

CDC-INFO emails=12

CDC-INFO emails escalated to COCA=1

Community Health Education Team Activities

- Posted the Low Lit Q&A document on E coli (English)
- Spanish translation of the same document has been completed and is awaiting posting.

Document Title: Questions & Answers: Sickness caused by E. coli www.cdc.gov/ecoli/qa ecoli sickness.htm

Research Team Media Analysis Report

On T/TH the JIC Research team performs a comprehensive review of multiple media outlets for publication in the CDC IAP for E Coli. The following report has been submitted for the 12/13 IAP:

Number of Media Stories on 12.11.06 = 890 (up from 386 on 12.9; source: Google News Search)

The following themes were observed in media headlines appearing on 12.11.06.

News reports may not reflect findings of the investigation.

Despite the results of test results reported by Taco Bell, federal officials have not yet determined that the source

Sample Headline: "FDA can't confirm green onions link to Taco Bell outbreak"

Sample Headline: "Source of Taco Bell E.coli still a mystery"

The processing and increased shelf life of fresh produce increase the number of chances for contamination. Sample Headline: "Produce Trail Leaves Vulnerable Points"

Summary Report: 12.8 - 12.11.06

The following summary is based on data collected from 12/8 to 12/11/06.

Unless otherwise indicated, the results are based on examination of 134 stories. Note that some percentages will not sum to 100 due to rounding error.



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CDC IAP Number 6: E. coli O157 Outbreak

Observations from this summary include:

- Noticeable change (compared stories analyzed for 12.7 summary) in the distribution of topics, including marked increases in the frequency of "Industry Response" and "Blame and Responsibility" topics.
- Substantial increase (compared stories analyzed for 12.7 summary) from 23% to 49% in stories mentioning the CDC.
- A substantial proportion of stories implying that the source of the outbreak had been determined as green onions at Taco Bell restaurants.

News Source Type

Record the type of media outlet in which the story appeared.

1. Newspaper = 71%
2. Network television = 4%
3. Cable Television = 0%
4. Local Television = 1%
5. News website = 25%

Story Location

Record the location of the story as it appears in the media outlet. For video, the lead story is the first story in the broadcast.

(N = 129)

1. Front page or home page or lead (video) = 7% 0. Any other location = 93%

Byline

Record the source: the organization or individual responsible for the content of the story.

(N = 133)

1. reporter/staff = 48%

Reporter/staff = a specific individual's name is attached to the story or the source is given as "staff"

2, wire service 4

Wire Service = AP, Reuters, UPI or other wires service is credited

3. wire/staff 0%

The story is a wire service story with some edits by the staff

4. other 1%

Source not described by any other option

5. indeterminate 2%

The source is not given or can't be determined

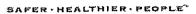
Topic

Assign the story a primary topic based on the headline and the first paragraph of the text.

(N = 133)

1. Investigative Efforts/Status25%2. Public Health Impact10%3. Event Facts/background Information23%4. Rescue/First Responder Efforts0%5. Recommended Actions0%6. Industry Response13%7. Community Response2%8. Government Response5%







CDC IAP Number 6: E. coli O157 Outbreak

 9. Corrective Actions Needed 10. Economic Impact 11. Blame and Responsibility 12. Recovery Efforts 13. Human interest 14. Other 	3% 3% 13% 0% 2% 2%
--	-----------------------------------

Unaffiliated Source

The story may quote an individual with knowledge/expertise regarding the event without mentioning his/her affiliation with any organization. If so, code "yes."

1. yes = 46% 0. no = 54%

Organizational Source

The story may quote one or more individuals with knowledge/expertise regarding the event and give the name of an organization he/she is affiliated with. Or, it may attribute information to "staff" or "sources" of an organization without mentioning any particular individual. If so, code "yes" and record the name of the organization(s).

1. yes (record organization name) = 86% 0. no = 14%

CDC Mention

If there is any mention of the CDC at all, code "yes."

1. yes = 49% 0. no = 51%

CDC Spokespersons

The story may quote one or more individual with knowledge/expertise regarding the event that is associated with the CDC. If so, code "yes" and record the name of the individual(s).

1. yes (record individual name) = 9% 0. no = 91%

Public Health Risk Description

Does the story describe potential public health risks? This includes and information that would assist a person in assessing the level of personal risk represented by the event. Examples would include:

- · symptoms of disease or poisoning
- the possibility of death or various injuries
- the potential for widespread infection of a disease
- the probability of a hurricane making landfall
- the most likely targets of terrorist attacks
- Note reports of actual harm are recorded in the number of cases" variable. If so, code yes" and record the
 information.

(N = 133) 1. yes (record information) = 57% 0. no = 43%

Sample Descriptions

- 1) "E. coli, or Escherichia coli, is a common and ordinarily harmless bacteria, but certain strains can cause abdominal cramps, fever, bloody diarrhea, kidney failure, blindness, paralysis, even death."
- 2) "E. coli is found in the feces of humans and livestock. Most E. coli infections are associated with undercooked meat. The bacteria also can be found on sprouts or leafy vegetables such as spinach. The germs can be spread by people if they do not thoroughly wash their hands after using the bathroom."







CDC IAP Number 6: E. coli O157 Outbreak

Health Risk Level

How would a typical audience member judge the risk to themselves based on this story? Consider how severe the health threats described in item 12 are. What indication is given about who might be affected by the event and under what circumstances?

- 1. Low Risk
- 2. Moderate Risk
- 3. High Risk
- 4. No health risk description is given

(N = 133)

Summary:

Average Rating = 1.0

Inaccurate Health Risk Description

Is there inaccurate or misleading information about health risks associated with the event? For example, there could be inaccurate reporting concerning

the danger posed by a radioactive material

If so, code yes" and describe the error.

the possibility of dying from an infection

the severity or likely path of a hurricane

1. yes (describe) =

0%

0. no =

100%

Prevention/protection Message

Does the story give directions on how one can avoid harm in the context of the current event? For example:

The FDA is advising consumers not to eat bagged, fresh spinach while it probes a multi-state outbreak of E. coli which has reportedly killed one person and sickened 50 others." The message should be in the form of explicit directions/instructions/advice.

If so, code "yes" and record the message.

1. yes (record) =

4%

0. no =

96%

Sample Messages

- 1) "Consumers who are concerned about the safety of fresh produce can take simple steps to minimize the dangers, food safety experts say. If E. coli is present, washing the produce will remove some of it; using vinegar to do so will kill most of the bacteria. Cooking food to 160 degrees for 15 seconds will kill any E. coli O157:H7, the FDA said."
- 2) "If a person has diarrheal illness . . . and ate at a Taco Bell restaurant within seven days before becoming ill, they should contact their health-care provider," the state health department said."

Inaccurate Prevention/protection Message

Is there inaccurate or misleading information regarding recommended protection/prevention measures? If so, code "yes" and describe the error.

1. yes (describe) =

0. no =

100%

Resource Direction Message

Does the story direct the audience to sources of further information or assistance? (e.g., to CDC or FDA websites) If so, code "yes" and record the source(s).

1. yes (record) =

14%

0. no =

86%







CDC IAP Number 6: E. coli O157 Outbreak

Results Summary

Nearly all these messages directed audience members to one of two sources:

1) Taco Bell's 800 number

2) NIH website: www.nlm.nih.gov/medlineplus/ecoliinfections.html

Other Inaccurate Information

Is there inaccurate information about an aspect of the event not addressed by items 14 and 16? For example, a story could report inaccurate information regarding the known cause of a disease outbreak, the organization or individuals responsible for a terrorist attack, and so on. If so, code "yes" and describe the error.

1. yes (describe) =

49%

0. no =

51%

Summary:

The results for this variable reflect a substantial number of stories that either 1) made unqualified statements indicating that the source of the outbreak was known to be green onions served at Taco Bell restaurants, or 2) used some qualifying language but still gave the strong impression that these green onions were the source.

Sample texts:

- 1) "Test by independent lab found three samples of green onions that appeared to have a dangerous strain of bacterium"
- 2) "Taco Bell ordered scallions removed from its 5,800 U.S. restaurants Wednesday after tests suggested they may be responsible for the E. coli outbreak that has sickened at least three dozen people in three states. The fast-food chain said preliminary testing by an independent lab found three samples of green onions appeared to have a dangerous strain of the bacteria."
- 3) "Taco Bell officials said Saturday they had determined that scallions were the likely source of the bacteria."

Outbreak Source

Indicate what is reported with regard to the source of the outbreak. If no mention at all is made of this, enter 0. Otherwise, code "1" and summarize and record the reference (e.g., "source not determined", "source under investigation," "suspected source is Taco Bell" "Taco Bell," etc.)

1. yes (record) =

93%

0. no =

7%

Results Summary

Nearly all articles named Taco Bell in describing the likely source of the outbreak and most stories also mentioned green onions.

Number of Cases

If no information is given code as 0, otherwise enter the number reported.

cases reported =

86%

0 not reported =

14%

Results Summary

Most stories reported the number of ill individuals and there was substantial variation in the numbers reported, in part because some stories included numbers reported 36 cases from Iowa while some dealt only with cases reported in the northeast. Stories also used various language in reporting cases as "possible," "suspected," or "confirmed."

Lowest reported number for the northeast:

46

Highest reported number for the northeast:

300

ICS 201 - CDC

8a. PREPARED BY (NAME AND POSITION)
Roger Harlan, IMS Incident Action Plan





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CDC IAP Number 6: E. coli O157 Outbreak

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ICS 209	- CD0														

Multi-state E. coli 0157 / Taco Bell Outbreak

Tuesday, December 12, 2006 Updated numbers for

Information for internal use only

Table 1. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak reported to CDC as of December 12, 2006, 12:00pm EST

Suspect	ന	ng/demms/d	0	58	8	0	**************************************	TZ
	0	0	7	8	5	0	0	20
Confirmed Probable	2	0	23	14	2	1	0	17
State	DE	Ī	S	Ν	PA	SC	L	Grand Total

- 7 states reported cases
- 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 47 confirmed, 20 probable, and 474 suspect cases reported to CDC
- 67 confirmed and probable cases reported publicly

Table 2. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 12, 2006, 12:00pm EST

State of Taco Bell Total	31	22	13	Grand Total 67
Sta	Z	ž	PA	<u>ල</u>

E. coli O157 / Taco Bell outbreak, as of December 12, 2006, 12:00pm EST Table 3. Demographic characteristics of confirmed and probable cases in the

Demographics	
Age in years, range (median), (N=64)	17 (4-61)
Age Categories, n (%), (N=64)	
< 5 years	1 (2)
5 - 17 years	33 (52)
18 - 59 years	28 (44)
> 59 years	2 (3)
Gender, n (%), (N=60)	
Female	34 (52)
Male	31 (48)
remale Male	

Table 4. Patient outcomes for confirmed and probable cases in the $E.\ coli$ O157 / Taco Bell outbreak, as of December 12, 2006, 12:00pm EST

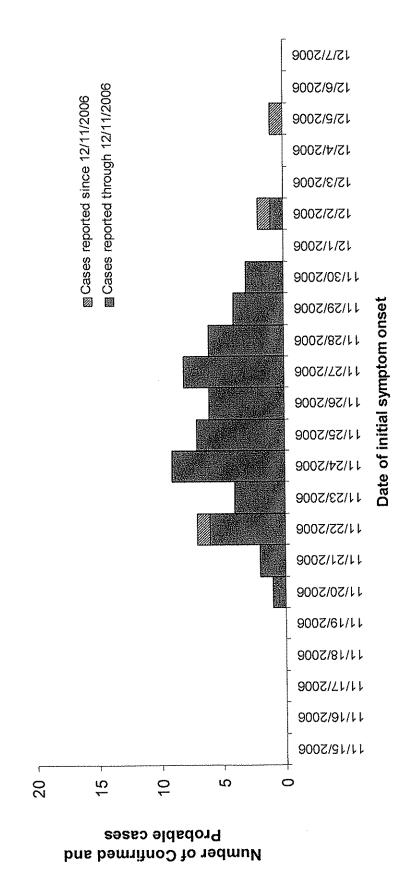
THE PARTY OF THE P	HUS Cases, N≃8	Median age (years)	Range (years)		
(70)	/(0/) 11	51 (76)	8 (12)	0 (0)	
	Outcome, N=6	Hospitalized	HUS	Death	

5-51

*Cases with missing outcome information were considered to not have outcome

Figure 1. Epidemic curve of confirmed and probable cases in the E. coli O157 Taco Bell outbreak, as of December 12, 2006, 12:00pm EST

 $(N=60^*)$ *60 probable and confirmed cases with reported date of initial symptom onset



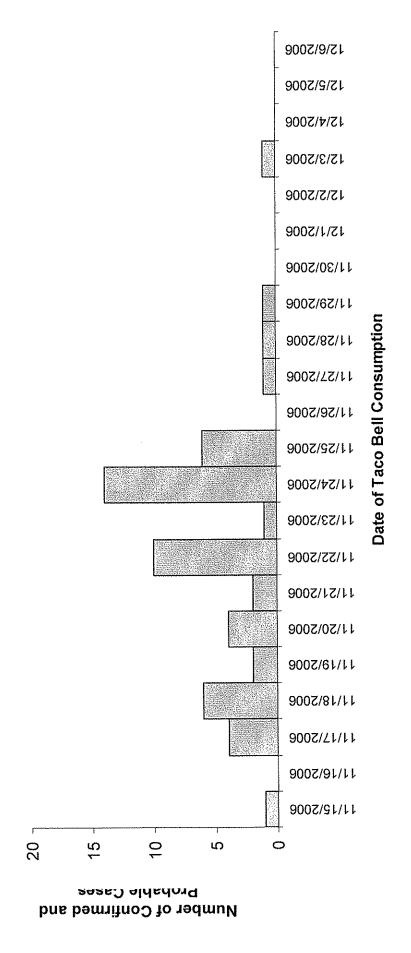
Illness onset range: 11/20/2006 - 12/5/2006

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption,

as of December 12, 2006, 12:00pm EST

(N=54*)

*54 probable and confirmed cases with reported date of Taco Bell consumption



Date of Taco Bell consumption range: 11/15/2006 - 12/3/2006

[2 lines below are for the orange box title on website]

Foodborne and Diarrheal Diseases Branch - Multistate Outbreak of *E. coli* O157 Infection, November-December 2006

Update, December 11 2006

As of 12 PM (ET) December 11 2006, Monday, 64 persons with illness associated with the Taco Bell restaurant outbreak have been reported to CDC from 5 states: New Jersey (28), New York (22), Pennsylvania (11), Delaware (2), and South Carolina (1). States with Taco Bell restaurants where persons confirmed to have the outbreak strain have eaten are New Jersey, New York, Pennsylvania, and Delaware (The patient from South Carolina ate at a Taco Bell restaurant in Pennsylvania). Other cases of illness are under investigation by state public health officials. No specific food has been implicated yet.

Among these 64 ill persons, 50 (82%) were hospitalized and 8 (13%) developed a type of kidney failure called hemolytic-uremic syndrome (HUS). Illness onset dates have ranged from November 20 to December 2.

Cases in 38 of the 64 patients are confirmed, meaning that the patients' *E. coli* O157 strains have the outbreak "DNA fingerprint." *E. coli* O157 strains are routinely "DNA fingerprinted" at public health laboratories in all states as part of PulseNet (the network of public health laboratories that sub-type bacteria). *E. coli* O157 strains from other cases are being tested by PulseNet. As a result of testing by PulseNet, cases with the outbreak strain "fingerprint" pattern are being re-classified as confirmed cases, and cases with an unrelated "fingerprint" pattern are being dropped from the outbreak case count.

CDC is working with state and local health officials, FDA, USDA, and the fast food chain to investigate the outbreak and to help take action to protect the public. Public health officials are conducting investigations to determine the responsible food. Public health laboratories are testing food samples from Taco Bell restaurants. A sample of chopped white onions collected on December 4 from an open bin in a Taco Bell restaurant in Nassau County, New York tested positive for *E. coli* O157:H7. This strain has a "DNA fingerprint" pattern that is different from that of the outbreak strain; the pattern of the chopped onion strain has not been seen before in the PulseNet database. Samples of green onions obtained by the restaurant chain tested negative for *E. coli* O157; the initial report of a preliminary positive on these samples by a laboratory hired by the restaurant chain was not confirmed. At this time, no other food item has a definite or preliminary test indicating the presence of *E. coli* O157. Investigation into the responsible food includes an ongoing study among Taco Bell restaurant patrons in which information about food items consumed is being obtained and analyzed.

E. coli O157 causes diarrhea that is often bloody and accompanied by severe abdominal cramps, but fever is typically absent or mild. Persons who have developed such symptoms after eating at a Taco Bell restaurant in an affected state are advised to consult a physician and to inform their local health department.

For more information on E. coli infection, please refer to the following website:

 $http://www.cdc.gov/ncidod/dbmd/diseaseinfo/escherichiacoli_g.htm$







CDC IAP Number 5: E. coli O157 Outbreak

1. Incident Name	2. Operational Period (Da	3. Documents Attached	
E. coli O157 Outbreak	From: 12/11 18:00 Hours EDT To: 12/12 18:00 Hours EDT		
4. IMS Position	4a. Staff Member	5. IMS Mailbox	6. Phone number
Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov	770-488-7100
Chief Health Officer	Dr. David Warnock	IMS Chief Health/Science Officer eocchiefhealthscienceofficer@cdc.	gov 404-553-7737
Operations Section Chief	CAPT Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Cheocoplansectionchief@cdc.gov	nief 404-553-7815
Logistics Section Chief	Mark Hansey	IMS Logistics Section Chief eoclogsectionchief@cdc.gov	770-488-7100
Finance/Admin Section Chief		IMS Fin & Admin Section Chief eocprocfinancechief@cdc.gov	770-488-7100
IMS JIC Lead	Rick Jones	eocjicleadership@cdc.gov	404-202-1030
IMS Safety Official		eocsafety@cdc.gov	404-639-2432
Duty Officer		eocreport@cdc.gov	770-488-7100

7. Current Situation/Threats:

Eight states are now reporting cases to date. Five of the states have reported confirmed or probable case for a total of 64 cases reported Food consumption/restaurant histories are continuing. Completed Interviews for cases under investigation reveal that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets continue to range from 11/20 to 12/02. Other cases under investigation had illness onset as recent as 12/8. PFGE information for 53 case isolates is now available, and PFGE testing on remaining isolates is underway.

E. coli Update, 467 Case Counts as of 12:00pm December 11

467 Confirmed/Probable/Suspect/Possible cases total, 8 states*

State	Confirmed Cases Reported	Probable Cases Reported	Possible Cases Reported	Suspected Cases Reported
CA	0	0	1	0
DE	. 2	0	0	2
NH	0	0	0	1 -
NJ	14	14	0	35
NY	14	8	0	289
PA	7	4	0	74
SC	1	0	0	0
UT	0	0	0	1
Total:	38	26	1	402

^{*}Only confirmed and probable cases are being reported to the public at this time.

Hospitalized: 50 (82%)

Hemolytic Uremic Syndrome (HUS): 8 (13%)

Deaths: 0

8. Planning Assumptions:

- 1. No known intentional foodborne threats have been identified by intelligence sources.
- 2. The outbreak vehicle still has not been confirmed at this time. However, food testing is continuing.
- 3. The risk to the public is considered ongoing and we expect additional cases may be identified in the coming days.
- We anticipate maintaining the current staff rhythm over the next several days.



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ICS 202 - CDC

Department of Health and Human Services Centers for Disease Control and Prevention



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CDC IAP Number 5: E. coli O157 Outbreak

9. Planning Objectives: Continue to pursue the identification of the food vehicle for the outbreak with USDA and FDA. Maintain situational awareness of media interest, reports, etc. of outbreak events. Continue to coordinate with FDA, DHHS and the states for information messaging to the public. Continue to collect case counts from the states for reporting to the media and the public from the 12:00 noon electronic data submitted by the affected states. Continue detailed analysis of case control data collected. Monitor for any requests from the States for personnel augmentation for the event. 11. Special Equipment/Supplies Needed for Assignment (if any) N/A 12. Special Environmental Considerations (if any) N/A 13. Special Site-Specific Safety Considerations (if any) N/A 14. Other Attachments (if any)

5. PREPARED BY (NAME AND POSITION)

Roger Harlan, IMS Incident Action Plan







CDC IAP Number 5: E. coli O157 Outbreak

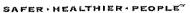
INCIDENT BRIEFING	1. Incident Name E. coli O157 Outbreak	2. Date 12/11/06	3. Time 18:00 EDT
	4. Map and Epidem	iological Data	

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 11, 2006, 12:00pm EST

State	Confirmed	Probable	Possible	Suspect
CA	0	0	1	0
DE	2	0	Q	2
NH	0	0	ŋ	*****
NJ	14	14	Ü	35
NY	14	8	0	.289
PA	7	4	0	74
SC	1	0	0	0
UT	0	0	0	1
Grand Total	38	26	1	402

- 8 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 38 confirmed, 26 probable, 1 possible, and 402 suspect cases reported to CDC
 - 64 confirmed and probable cases reported publicly







CDC IAP Number 5: E. coli O157 Outbreak

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 11, 2006, 12:00pm EST

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DE	1
NJ	29
NY	22
PA	12
Grand Total	64

Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 11, 2006, 12:00pm EST

Cemographics	
Age In years, range (median), (N=62)	17 (4-61)
Age Categories, n (%), (N=52)	
≈ 5 years	1 (2)
5 - 17 years	34 (55)
18 - 59 years	25 (40)
> 59 years	2 (3)
Gender, n (%), (N=50)	
Female	31 (49)
Male	32 (51)

Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell cutbreak, as of December 11, 2006, 12:00pm EST

Outcome, N=64	n (%)	HUS Capes: Nod	
Hospitalized HUS	50 (82) 8 (13)	Medical seas (Samus)	!1
Cealn	<u>a jaj</u>	(IRCM (Mans)	5-21

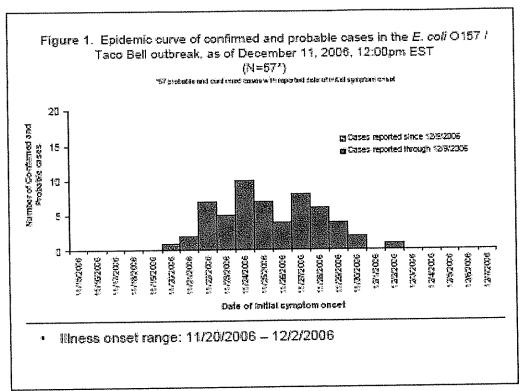
িলৈকৰে কৰি লাইটাৰ্যু টোকৰেৰ চাৰ্যবিদ্যালয়লৈ কৰেই চোৰ্যু টুৰ্নাৰ বিশ্বাসৰী নিৰ্দেশ কৰিছে কৰিছে বিশ্বাসৰী কৰিছে উপ্তিয়ালয়

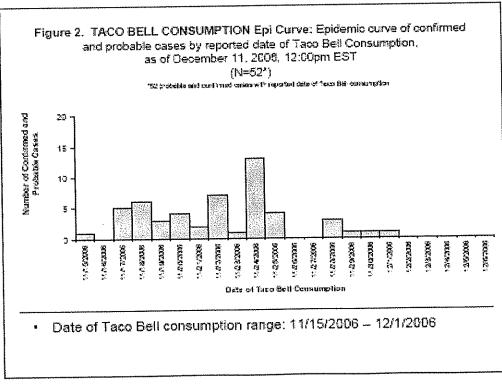






CDC IAP Number 5: E. coli O157 Outbreak





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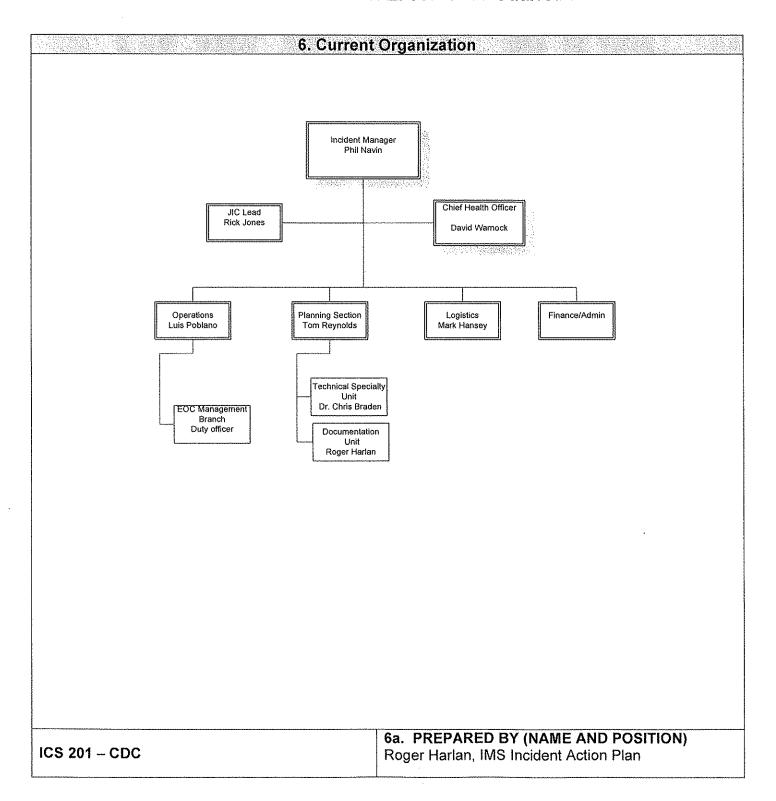
IMS Tech Specialty Unit/GIS Sections





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CDC IAP Number 5: E. coli O157 Outbreak





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Department of Health and Human Services Centers for Disease Control and Prevention



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CDC IAP Number 5: E. coli O157 Outbreak

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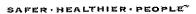
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	5/5 5 2		Dandina Dani		
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Resources Ordered	Identified	ETA	(Y / N)	Assignment	ARF / MA #
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Page 7 of 13

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Roger Harlan, IMS Incident Action Plan







CDC IAP Number 5: E. coli O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - o 59 Cases, 62 controls interviewed.
 - Analysis of the interview data is being cleaned and analyzed.
- CDC continuing to provide assistance to the States as needed.
- Cases will be counted as "probable" only in a State where confirmed case had eaten at Taco Bell.
- PulseNet is coordinating with the States for PFGE pattern identification.
- Ongoing intervention discussions with FDA and the States.
- Regular contact is being maintained with Yum Brand during the event to facilitate the investigation.

FDA Activities:

- Planning a call this morning with the four states involved for opening / closing Taco Bell restaurants.
- Still analyzing food samples.

USDA Activities:

- Record review of all protein products including steak, ground beef and chicken.
- Three distributors now identified for beef in NJ, VA, and now NY.
- Reviewing the plans for distributors for handling of all products within the window of opportunity to have been introduced in the affected restaurants.

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- NY
 - No new significant information.
- NJ
 - Two PFGE matches that were interviewed with no Taco Bell exposure. They have been matched and still claim no Taco Bell exposure.
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 - Montgomery County, PA has a cluster.
 - o Taco bell employees with 8 staff members that had illnesses.
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 - o Patient PFGE pattern does not match outbreak pattern. Has shiga toxin 1 and 2 pattern.
 - o Does not match NY/NJ strain.
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 - One new suspect case. 20 year old. Eats at Taco Bell for lunch and twice for dinner and multiple stores.
 - Onset on November 27.
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 - o The cases are being dropped from the official list as they do not meet the suspect case definition.
 - o The state concurs with this decision.
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 - One suspect case remains and reports having eaten at a Northtown, PA restaurant during the reporting period.
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CDC IAP Number 5: E. coli O157 Outbreak

CDC JIC Report: - JIC Report 12/11/2006

Inquiries

Friday: 12/8

COCA/Registry emails: 0 CDC INFO phone calls: 43 CDC INFO emails: 3

Saturday: 12/9

COCA/Registry emails: 0 CDC INFO phone calls: 5 CDC INFO emails: 8

Sunday: 12/10

COCA/Registry emails: 0 CDC INFO phone calls: 3 CDC INFO emails: 0

Media Inquiries 12/8-12/10: 5 calls As of 3pm 12/11: 6 calls

CDC/Washington Inquiries

12/8: 2 calls on the outbreak:

- 1. Sen. Frank Lautenberg (D-NJ) requested information on what CDC is doing to respond to outbreak and CDC perspective on whether outbreak is over; information provided by Michael Craig, CDC/W analyst assigned to NCZVED
- 2. Rep. Carolyn McCarthy (D-4th-NY) requested information on CDC's role in an food borne outbreak; information provided by Michael Craig, CDC/W analyst assigned to NCZVED

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Faith-based, community-based, volunteer, and non-profit organizations (31 organizations received information to disseminate to members. They include Salvation Army, African Methodist Episcopal, Emory Interfaith Health Program, Jewish Community Relations Council, National Voluntary Organizations Active in Disaster (NVOAD), The Regional Council of Churches of Atlanta, Inc; Southern Baptist Disaster Relief (NAMB), Catholic Charities USA, United Methodist Committee on Relief (UMCOR); and United Way (just to name a few).

****Response from partner: African Methodist Episcopal Church posted the message to the website and sent it to Dr. Sydnor for posting to the Christian Recorder online edition.***

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CDC IAP Number 5: E. coli O157 Outbreak

Center (HKNC), National Federation for the Blind (NFB), American Foundation for the Blind (AFB), Center for the Visually Impaired (CVI)

Internal CDC Partners:

CDC Tribal Liaisons: Pelagie (Mike) Snesrud, Ralph T. Bryan, Craig Wilkins) Division of Partnerships and Strategic Alliances

Research Team Media Report:

Number of Media Stories on 12.10.06 = 386 (up from 318 on 12.9; source: Google News Search)

The following themes were observed in media headlines appearing on 12.10.06.

News reports may not reflect findings of the investigation.

New cases of illness continue to be reported, and most stories focused on the new cases in Iowa and a case in New York City

Sample Headline: NYC case of Taco Bell E. coli confirmed

Sample Headline: 14 in Iowa hospitalized after eating at Taco John's

A smaller, but perhaps developing story is represented by the headline below:

Sample Headline: Outbreaks Reveal Food Safety Net's Holes

ECS Web Team Report

Postings on CDC E. coli website since last report (December 10 3:00 PM):

- Spanish Translation: Multistate Outbreak of E. coli O157 Infection, November-December 2006
- Maps of States where Persons with Illness Live
- Maps of States with Taco Bell Restaurants where Persons with Confirmed Cases (Infected with the Outbreak Strain) have Eaten.
- Multistate Outbreak of E. coli O157 Infection, November-December 2006

Total traffic on all *E. coli-*related pages on CDC website, December 11 (as of 2 PM):

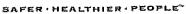
- Total: 12,084 views (as of 2 PM)
- Final total for yesterday: 6,729 views

Total traffic on CDC E. coli home page (http://www.cdc.gov/ecoli/) December 11 (as of 2 PM):

- Total: 4,441 views (as of 2 PM)
- #12 on CDC Most Popular Pages

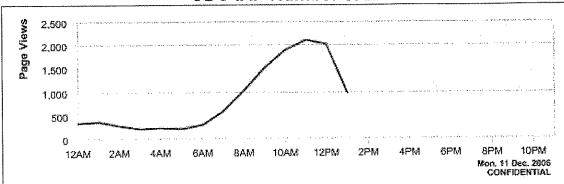
Graph of traffic on all -E. coli-related webpages today:





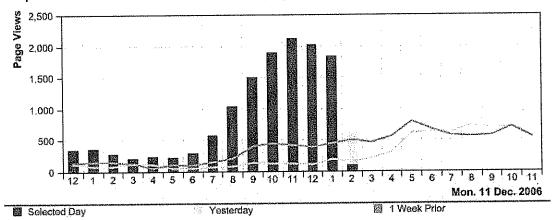


CDC IAP Number 5: E. coli O157 Outbreak



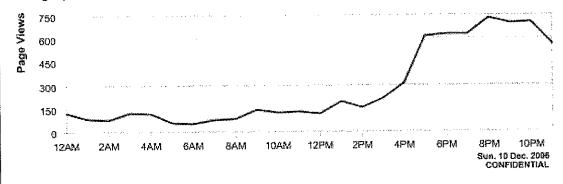
Selected Period

Graph of traffic on all -E. coli-related webpages today compared with yesterday and 1 week prior:



Graph Generated by SheCatalyst using Report Accelerator at 02:09 PM EST, 11 Dec 2006

Final graph of traffic on all -E. coli-related webpages yesterday:



Selected Period

Forecast

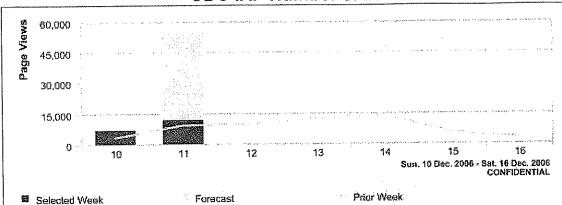
Graph of traffic on all -E. coli-related webpages for the entire week so far:



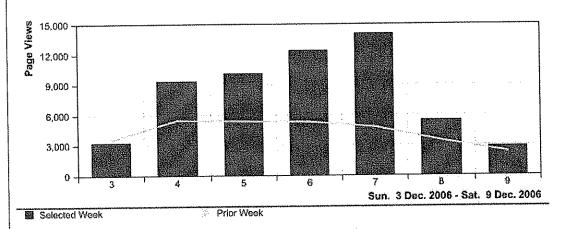


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Graph of traffic on all -E. coli-related webpages for LAST week:



Graph Generated by SteCatalyst using Report Accelerator at 02:12 PM EST, 11 Dec 2006

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8a. PREPARED BY (NAME AND POSITION)

Roger Harlan, IMS Incident Action Plan





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5. Incident N Phil Navin	lanager		of Health Office avid Warnoc	er 7. Type of Incid	lent	8. Cause Restaura			12/07/	ation Dat 06 08:3	0	
10. Total CD	C Personne	el Deploy	/ed	11. Total CDC OFRI	D Personnel 0	Deployed	12. Ex	cpected C	completio			
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Roger Harl	an, IMS Inc	ident Ac	tion Thom Plan	nas Reynolds, CDC II ning Section Chief	MS	Date	12/11/0	06		Tin	ne 18:00 EDT	
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CDC IAP Number 5: E. coli O157 Outbreak

1. Incident Name E. coli O157 Outbreak	2. Operational Period (Date From: 12/11 18:00 Hours	·	1.	cuments Attached ICS 201 ICS 209
4. IMS Position	4a. Staff Member	5. IMS Mailbox		6. Phone number
Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov		770-488-7100
Chief Health Officer	Dr. David Warnock	IMS Chief Health/Science Officer eocchiefhealthscienceofficer@cdc	.gov	404-553-7737
Operations Section Chief	CAPT Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520	
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Cl eocplansectionchief@cdc.gov	hief	404-553-7815
Logistics Section Chief	Mark Hansey	IMS Logistics Section Chief eoclogsectionchief@cdc.gov		770-488-7100
Finance/Admin Section Chief		IMS Fin & Admin Section Chief eocprocfinancechief@cdc.gov		770-488-7100
IMS JIC Lead	Rick Jones	eocjicleadership@cdc.gov		404-202-1030
IMS Safety Official		eocsafety@cdc.gov		404-639-2432
Duty Officer		eocreport@cdc.gov		770-488-7100

7. Current Situation/Threats:

Eight states are now reporting cases to date. Five of the states have reported confirmed or probable case for a total of 64 cases reported Food consumption/restaurant histories are continuing. Completed Interviews for cases under investigation reveal that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets continue to range from 11/20 to 12/02. Other cases under investigation had illness onset as recent as 12/8. PFGE information for 53 case isolates is now available, and PFGE testing on remaining isolates is underway.

E. coli Update, 467 Case Counts as of 12:00pm December 11

467 Confirmed/Probable/Suspect/Possible cases total, 8 states*

State	Confirmed Cases Reported	Probable Cases Reported	Possible Cases Reported	Suspected Cases Reported
CA	0	0	1	0
DE	2	0	0	2
NH	0	0	0	1
NJ	14	14	0	35
NY	14	8	0	289
PA	7	4	0	74
SC	1	0	0	0
UT	<u> </u>	0	0	1
Total:	38	26	1	402

^{*}Only confirmed and probable cases are being reported to the public at this time.

Hospitalized: 50 (82%)

Hemolytic Uremic Syndrome (HUS): 8 (13%)

Deaths: 0

8. Planning Assumptions:

- 1. No known intentional foodborne threats have been identified by intelligence sources.
- 2. The outbreak vehicle still has not been confirmed at this time. However, food testing is continuing.
- 3. The risk to the public is considered ongoing and we expect additional cases may be identified in the coming days
- We anticipate maintaining the current staff rhythm over the next several days.



Department of Health and Human Services Centers for Disease Control and Prevention



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9. Planning Objectives:	
1. Continue to pursue the identification of the food	I vehicle for the outbreak with USDA and FDA.
 Maintain situational awareness of media interest 	st, reports, etc. of outbreak events.
2 Continue to coordinate with FDA DHHS and th	e states for information messaging to the public.
Continue to collect case counts from the states	for reporting to the media and the public from the 12:00 noon
electronic data submitted by the affected states	
Continue detailed analysis of case control data	collected.
6. Monitor for any requests from the States for pe	rsonnel augmentation for the event.
11. Special Equipment/Supplies Needed for Assignment	(if any)
• N/A	
12. Special Environmental Considerations (if any)	
• N/A	
13. Special Site-Specific Safety Considerations (if any)	
• N/A	
14. Other Attachments (if any)	
□ Мар	5 DDEDARED BY (NAME AND POSITION)
ICS 202 – CDC	5. PREPARED BY (NAME AND POSITION) Roger Harlan, IMS Incident Action Plan





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INCIDENT BRIEFING	1. Incident Name	2. Date	3. Time
	E. coli O157 Outbreak	12/11/06	18:00 EDT
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CDC IAP Number 5: E. coli O157 Outbreak

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Outcome, N=54	n (%)	HUS Come, 148	
Hospitalized HUS	50 (62) 8 (13)	Madres ego (yen/s)	51
Death	(a) (b)	((encou (yes/s)	5-51

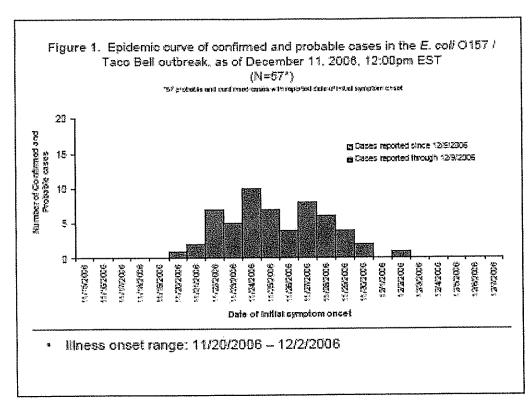
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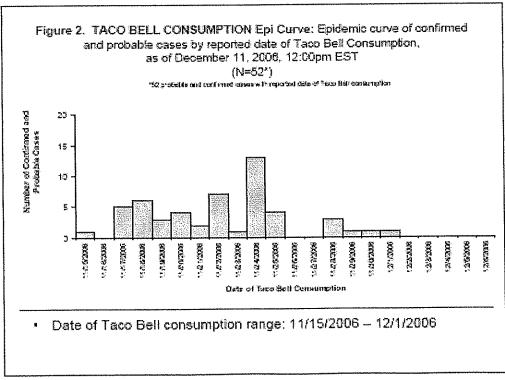






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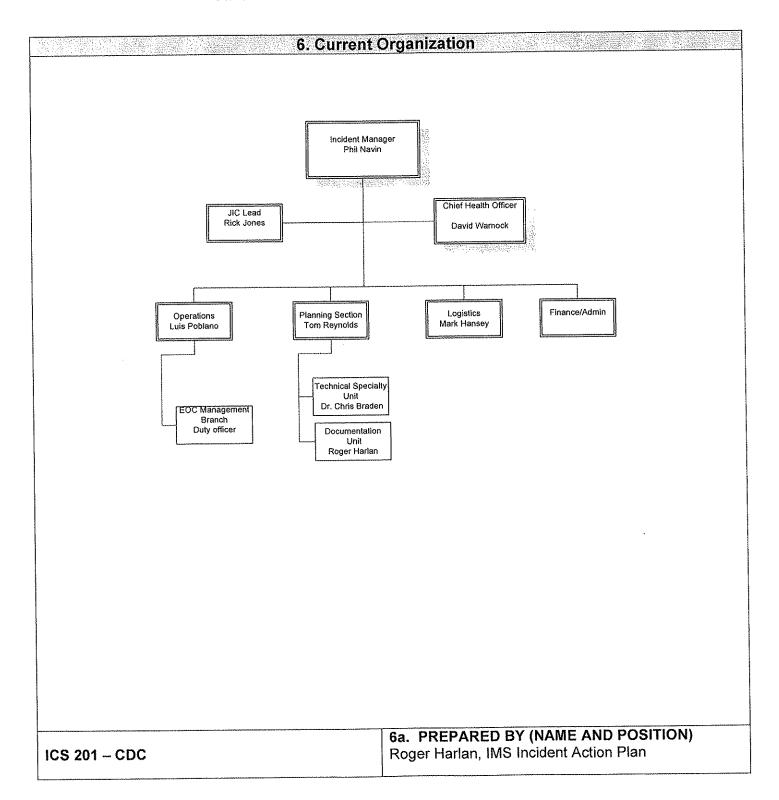
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CDC IAP Number 5: E. coli O157 Outbreak

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Sample Headline: NYC case of Taco Bell E. coli confirmed

Sample Headline: 14 in Iowa hospitalized after eating at Taco John's

A smaller, but perhaps developing story is represented by the headline below:

Sample Headline: Outbreaks Reveal Food Safety Net's Holes

ECS Web Team Report

Postings on CDC E. coli website since last report (December 10 3:00 PM):

- Spanish Translation: Multistate Outbreak of E. coli O157 Infection, November-December 2006
- Maps of States where Persons with Illness Live
- Maps of States with Taco Bell Restaurants where Persons with Confirmed Cases (Infected with the Outbreak Strain) have Eaten.
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Total traffic on all E. coli-related pages on CDC website, December 11 (as of 2 PM):

- Total: 12,084 views (as of 2 PM)
- Final total for yesterday: 6,729 views

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- Total: 4,441 views (as of 2 PM)
- #12 on CDC Most Popular Pages

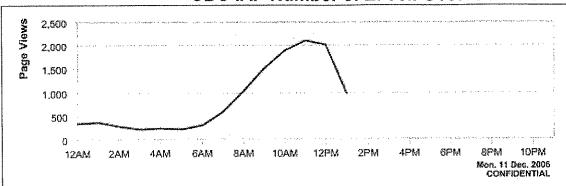
Graph of traffic on all -E. coli-related webpages today:





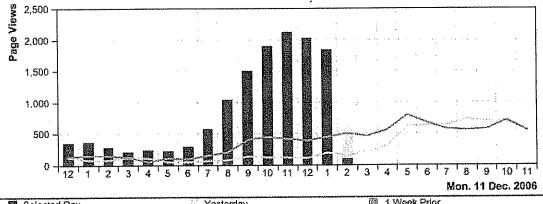


CDC IAP Number 5: E. coli O157 Outbreak



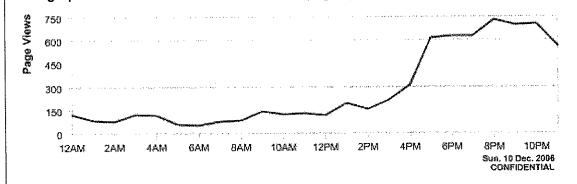
Selected Period

Graph of traffic on all -E. coli-related webpages today compared with yesterday and 1 week prior:



Selected Day Yesterday @ 1 Week Prior
Forecast Greek Generated by SiteCatalyst using Report Accelerator at 02:09 PM EST, 11 Dec 2006

Final graph of traffic on all -E. coli-related webpages yesterday:



— Selected Period

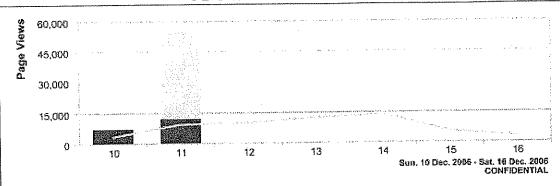
Graph of traffic on all -E. coli-related webpages for the entire week so far:





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CDC IAP Number 5: E. coli O157 Outbreak

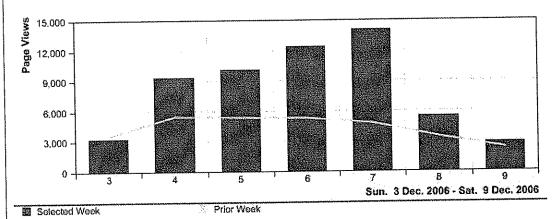


Selected Week

Forecast

Prior Week

Graph of traffic on all -E. coli-related webpages for LAST week:



Graph Generated by SiteCatalyst using Report Accelerator at 02:12 PM EST, 11 Dec 2006

ICS 201 - CDC

8a. PREPARED BY (NAME AND POSITION)

Roger Harlan, IMS Incident Action Plan

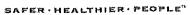




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Roger Harla Plan	ın, IMS Inci	dent Act	ion Thom Plann	as Reynolds, CDC I ling Section Chief	MS	Date	12/11/0	16		Tiı	me 18:00 EDT	
ICS 209) - CD	C										







CDC IAP Number 5: E. coli O157 Outbreak

1. Incident Name	2. Operational Period (Dat	re/Time)	3. Documents Attach	ed
E. coli O157 Outbreak	From: 12/11 18:00 Hours I	1. ICS 201 2. ICS 209		
4. IMS Position	4a. Staff Member	5. IMS Mailbox	6. Phone num	ber
Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov	770-488-7100	0
Chief Health Officer	Dr. David Warnock	IMS Chief Health/Science Officer eocchiefhealthscienceofficer@cdc.	.gov 404-553-773	7
Operations Section Chief	CAPT Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-752	0
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Cl eocplansectionchief@cdc.gov	404-553-781	5
Logistics Section Chief	Mark Hansey	IMS Logistics Section Chief eoclogsectionchief@cdc.gov	770-488-710	0
Finance/Admin Section Chief		IMS Fin & Admin Section Chief eocprocfinancechief@cdc.gov	770-488-710	0
IMS JIC Lead	Rick Jones	eocjicleadership@cdc.gov	404-202-103	0
IMS Safety Official		eocsafety@cdc.gov	404-639-243	2
Duty Officer		eocreport@cdc.gov	770-488-710	0

7. Current Situation/Threats:

Eight states are now reporting cases to date. Five of the states have reported confirmed or probable case for a total of 64 cases reported Food consumption/restaurant histories are continuing. Completed Interviews for cases under investigation reveal that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets continue to range from 11/20 to 12/02. Other cases under investigation had illness onset as recent as 12/8. PFGE information for 53 case isolates is now available, and PFGE testing on remaining isolates is underway.

E. coli Update, 467 Case Counts as of 12:00pm December 11

467 Confirmed/Probable/Suspect/Possible cases total, 8 states*

State	ed/Probable/Suspect/Post Confirmed Cases Reported	Probable Cases Reported	Possible Cases Reported	Suspected Cases Reported
CA	0	0	1	0
DE	2	0	0	2
NH	0	0	0	1
NJ	14	14	0	35
NY	14	8	0	289
PA	7	4	0	74
SC	1	0	0	0
UT	0	0	0	1
Total:	38	26	1	402

^{*}Only confirmed and probable cases are being reported to the public at this time.

Hospitalized: 50 (82%)

Hemolytic Uremic Syndrome (HUS): 8 (13%)

Deaths: 0

8. Planning Assumptions:

- 1. No known intentional foodborne threats have been identified by intelligence sources.
- 2. The outbreak vehicle still has not been confirmed at this time. However, food testing is continuing.
- 3. The risk to the public is considered ongoing and we expect additional cases may be identified in the coming days.
- 4. We anticipate maintaining the current staff rhythm over the next several days.





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CDC IAP Number 5: E. coli O157 Outbreak

9. Planning Objectives: Continue to pursue the identification of the food vehicle for the outbreak with USDA and FDA. Maintain situational awareness of media interest, reports, etc. of outbreak events. Continue to coordinate with FDA, DHHS and the states for information messaging to the public. Continue to collect case counts from the states for reporting to the media and the public from the 12:00 noon electronic data submitted by the affected states. Continue detailed analysis of case control data collected. Monitor for any requests from the States for personnel augmentation for the event. 11. Special Equipment/Supplies Needed for Assignment (if any) N/A 12. Special Environmental Considerations (if any) N/A 13. Special Site-Specific Safety Considerations (if any) N/A 14. Other Attachments (if any)

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)
Roger Harlan, IMS Incident Action Plan





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CDC IAP Number 5: E. coli O157 Outbreak

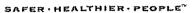
INCIDENT BRIEFING	1. Incident Name E. coli O157 Outbreak	2. Date 12/11/06	3. Time 18:00 EDT
	4. Map and Epidem	iiological Data 🕟	

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Belf outbreak reported to CDC as of December 11, 2006, 12:00pm EST

State	Confirmed	Probable	Possible	Suspect
	Ō	0	1	0
CA DE	2	0	0	2
NH	0	0	0	1
NJ	14	14	Û	35
NY	14	8	0	289
PA	7	4	Û	74
SC	1	0	0	0
UT	0	Ō	0	1
Grand Total	36	26	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 402

- 8 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 38 confirmed, 26 probable, 1 possible, and 402 suspect cases reported to CDC
 - 64 confirmed and probable cases reported publicly







CDC IAP Number 5: E. coli O157 Outbreak

Table 2. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak by state of Taco Bell exposure as reported to CDC as of December 11, 2006, 12:00pm EST

State of Taco Bell	Total
DE	1
NJ	29
NY	22
PA	12
Grand Total	64

Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 11, 2006, 12:00pm EST

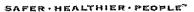
Demographics	
Age in years, range (median), (N=E2)	17 (4-61)
Age Categories, n (%), (N=52)	
₹ 5 years	1 (2)
5 - 17 years	34 (55)
16 - 59 years	25 (40)
⇒ 59 years	2 (3)
Gender, n (%), (N=50)	
Female	31 (49)
Male	32 (51)

Table 4, Patient outcomes for confirmed and probable cases in the *E. colf* O157 / Taco Bell outbreak, as of December 11, 2006, 12:00pm EST

Cutcome, N=54	n (%)	NES Cassa, IMB	<u></u>
Hospitalized	50 (82) € (13)	Median son (wint)	24
Cealii	o (o)	Hariga (san'd)	5-51

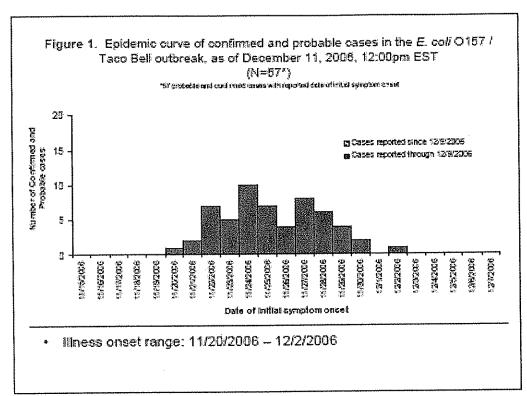
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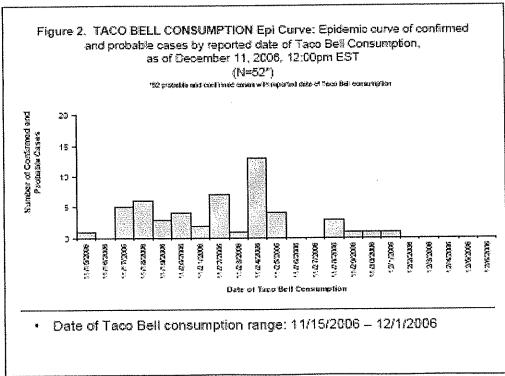






CDC IAP Number 5: E. coli O157 Outbreak





ICS 201 - CDC

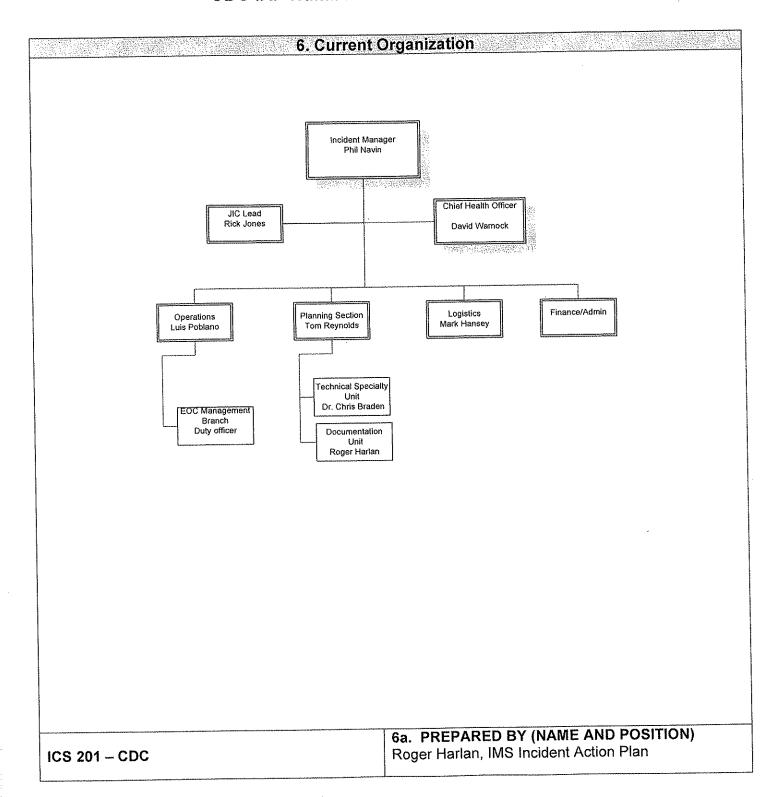
5. PREPARED BY (NAME AND POSITION)

IMS Tech Specialty Unit/GIS Sections





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Resources Ordered	Resources	esources I	Pending Deplo	oyment Location / Assignment	ARF / MA #
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Resources Ordered	Resources		On Scene	Location /	







CDC IAP Number 5: E. coli O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - o 59 Cases, 62 controls interviewed.
 - o Analysis of the interview data is being cleaned and analyzed.
- CDC continuing to provide assistance to the States as needed.
- Cases will be counted as "probable" only in a State where confirmed case had eaten at Taco Bell.
- PulseNet is coordinating with the States for PFGE pattern identification.
- Ongoing intervention discussions with FDA and the States.
- Regular contact is being maintained with Yum Brand during the event to facilitate the investigation.

FDA Activities:

- Planning a call this morning with the four states involved for opening / closing Taco Bell restaurants.
- Still analyzing food samples.

USDA Activities:

- Record review of all protein products including steak, ground beef and chicken.
- Three distributors now identified for beef in NJ, VA, and now NY.
- Reviewing the plans for distributors for handling of all products within the window of opportunity to have been introduced in the affected restaurants.

State Activities:

- NY
 - o No new significant information.
- NJ
 - Two PFGE matches that were interviewed with no Taco Bell exposure. They have been matched and still claim no Taco Bell exposure.
- PA
 - o Montgomery County, PA has a cluster.
 - Taco bell employees with 8 staff members that had illnesses.
 - o UT case ate at PA Taco Bell in Northtown, PA.
- CA
 - o Patient PFGE pattern does not match outbreak pattern. Has shiga toxin 1 and 2 pattern.
 - o Does not match NY/NJ strain.
- DE
 - o One new suspect case. 20 year old. Eats at Taco Bell for lunch and twice for dinner and multiple stores.
 - o Onset on November 27.
- CT
 - The cases are being dropped from the official list as they do not meet the suspect case definition.
 - o The state concurs with this decision.
 - o The four people are from two households. Tests in state labs and results will be available in a couple days.
- UT
 - o The possible case dropped off the case list. The PFGE does not match the outbreak strain and does not meet the case definition.
 - One suspect case remains and reports having eaten at a Northtown, PA restaurant during the reporting period.
- NV
 - This cases is being reported by UT. The possible case dropped off the case list. The PFGE does not match the outbreak strain and does not meet the case definition.



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CDC IAP Number 5: E. coli O157 Outbreak

CDC JIC Report: - JIC Report 12/11/2006

Inquiries

Friday: 12/8

COCA/Registry emails: 0 CDC INFO phone calls: 43 CDC INFO emails: 3

Saturday: 12/9

COCA/Registry emails: 0 CDC INFO phone calls: 5 CDC INFO emails: 8

Sunday: 12/10

COCA/Registry emails: 0 CDC INFO phone calls: 3 CDC INFO emails: 0

Media Inquiries 12/8-12/10: 5 calls As of 3pm 12/11: 6 calls

CDC/Washington Inquiries

12/8: 2 calls on the outbreak:

- 1. Sen. Frank Lautenberg (D-NJ) requested information on what CDC is doing to respond to outbreak and CDC perspective on whether outbreak is over; information provided by Michael Craig, CDC/W analyst assigned to NCZVED
- 2. Rep. Carolyn McCarthy (D-4th-NY) requested information on CDC's role in an food borne outbreak; information provided by Michael Craig, CDC/W analyst assigned to NCZVED

External CDC Partners:

Faith-based, community-based, volunteer, and non-profit organizations (31 organizations received information to disseminate to members. They include Salvation Army, African Methodist Episcopal, Emory Interfaith Health Program, Jewish Community Relations Council, National Voluntary Organizations Active in Disaster (NVOAD), The Regional Council of Churches of Atlanta, Inc; Southern Baptist Disaster Relief (NAMB), Catholic Charities USA, United Methodist Committee on Relief (UMCOR); and United Way (just to name a few).

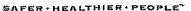
****Response from partner: African Methodist Episcopal Church posted the message to the website and sent it to Dr. Sydnor for posting to the Christian Recorder online edition.***

Society of Public Health Education (SOPHE)

****Response from partner: fact sheet on CIFOR, for everyone's reference.*****

Hearing and Visually impaired organizations (five organizations received information to disseminate to members)They include: Post-secondary education programs network (PEPNET) Members, Helen Keller National







CDC IAP Number 5: E. coli O157 Outbreak

Center (HKNC), National Federation for the Blind (NFB), American Foundation for the Blind (AFB), Center for the Visually Impaired (CVI)

Internal CDC Partners:

CDC Tribal Liaisons: Pelagie (Mike) Snesrud, Ralph T. Bryan, Craig Wilkins) Division of Partnerships and Strategic Alliances

Research Team Media Report:

Number of Media Stories on 12.10.06 = 386 (up from 318 on 12.9; source: Google News Search)

The following themes were observed in media headlines appearing on 12.10.06.

News reports may not reflect findings of the investigation.

New cases of illness continue to be reported, and most stories focused on the new cases in Iowa and a case in New York City

Sample Headline: NYC case of Taco Bell E. coli confirmed

Sample Headline: 14 in Iowa hospitalized after eating at Taco John's

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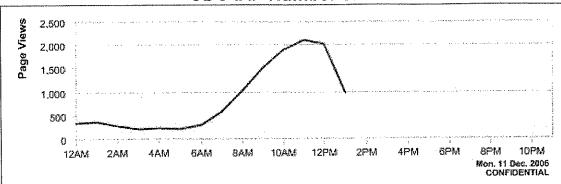
Graph of traffic on all -E. coli-related webpages today:





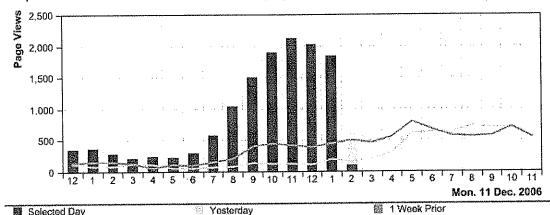


CDC IAP Number 5: E. coli O157 Outbreak



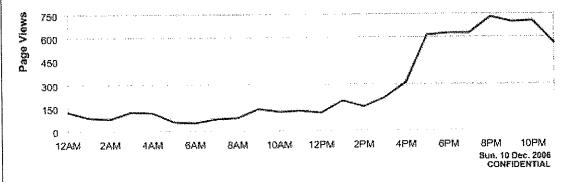
Selected Period

Graph of traffic on all -E. coli-related webpages today compared with yesterday and 1 week prior:



Selected Day Yesterday \$\begin{align*} \text{Yesterday} \text{ \$\text{Week Prior}\$} \\ \text{Forecast} \\ \text{Grspn Generated by SiteCatalyst using Report Accelerator at 02:09 PM EST, 11 Dec 2006} \end{align*}

Final graph of traffic on all -E. coli-related webpages yesterday:



Selected Period

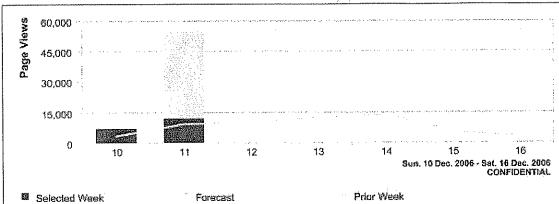
Graph of traffic on all -E. coli-related webpages for the entire week so far:



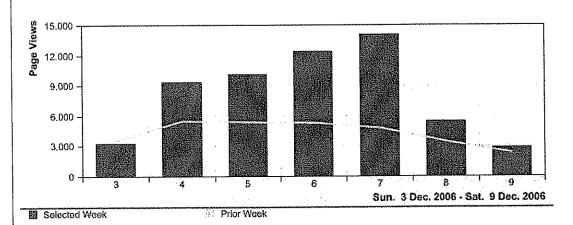


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Graph of traffic on all -E. coli-related webpages for LAST week:



Graph Generated by SheCatalyst using Report Accelerator at 02:12 PM EST, 11 Dec 2006

ICS 201 - CDC

8a. PREPARED BY (NAME AND POSITION)

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ICS 209	- CDC	;										

Multi-state E. coli O157 / Taco Bell Outbreak

Monday, December 11, 2006 Updated numbers for

Table 1. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak reported to CDC as of December 11, 2006, 12:00pm EST

402	Non-age	26	38	Grand Total
consume	0	0	0	T
0	0	0		SC
74	0	4	7	PA
289	0	8	14	Ą
35	0	14	14	Z
	0	0	0	Ξ
2		0	2	
0		0	0	CA
Suspect	Possible	Probable	Confirmed Probable	State

- 8 states reported cases
- 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 38 confirmed, 26 probable, 1 possible, and 402 suspect cases reported to CDC
- 64 confirmed and probable cases reported publicly

by state of Taco Bell exposure as reported to CDC as of December 11, 2006, Table 2. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak 12:00pm EST

State of Taco Bell	Total
DE	
Ŋ	29
NY	22
PA	12
Grand Total	64

E. coli O157 / Taco Bell outbreak, as of December 11, 2006, 12:00pm EST Table 3. Demographic characteristics of confirmed and probable cases in the

Gender, n (%), (N=60) Female Male	Age Categories , n (%), (N=62) < 5 years 5 - 17 years 18 - 59 years > 59 years	Demographics Age in years, range (median), (N=62)
31 (49) 32 (51)	1 (2) 34 (55) 25 (40) 2 (3)	17 (4-61)

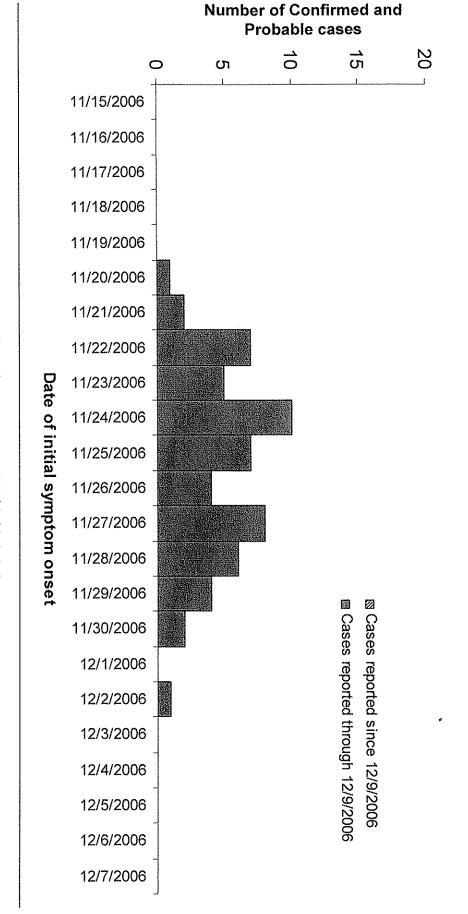
Table 4. Patient outcomes for confirmed and probable cases in the E. coli O157 / Taco Bell outbreak, as of December 11, 2006, 12:00pm EST

Date of N-04	50 (82) HUS Cases,
nospitalized	O (OE) Median age (v
	0(10)
Death	0 (0) Kange (years)

*Cases with missing outcome information were considered to not have

Figure 1. Epidemic curve of confirmed and probable cases in the E. coli O157 / 「aco Bell outbreak, as of December 11, 2006, 12:00pm EST N=57*

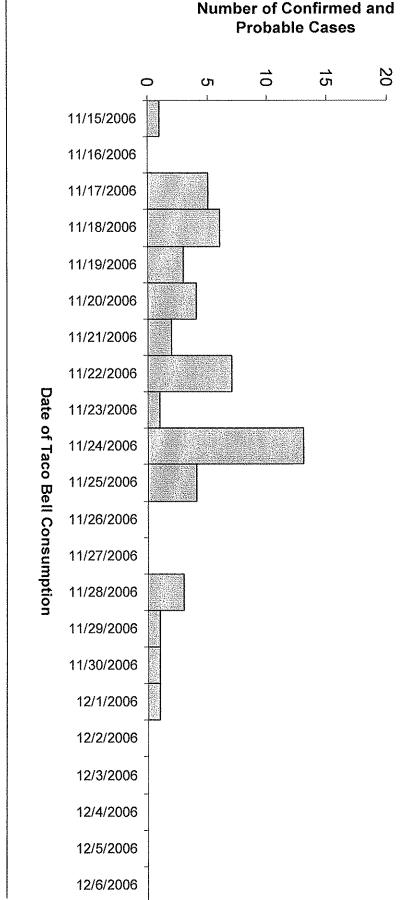
*57 probable and confirmed cases with reported date of initial symptom onset



Illness onset range: 11/20/2006 – 12/2/2006

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 11, 2006, 12:00pm EST N=52*)

*52 probable and confirmed cases with reported date of Taco Bell consumption



Date of Taco Bell consumption range: 11/15/2006 - 12/1/2006

0830 CDC Internal Meeting- Exec Conf Room

Phil NavinGail WilliamsBruce BurneyClint MatthewsDavid WarnockRob TauxeChris BradenCapt. O'ConnorPatty GriffinKaren DeasyPeter Gerner-SmidtMichael Johnson

Ross Spears

Current Staff Rhythm:

0830 CDC Internal call and Update 0930 CDC/HHS/FDA Conference Call 1200 Final Case Count Cut-off 1400 State Partners Conference Call (*E. coli*) 1800 IAP Distribution

E. coli Update

Dr. Warnock-

- 61 confirmed and probable cases (5 states) 4 states with restaurants confirmed cases.
- Dates remain November 20 to December 2.
- Is this still an ongoing event? We expect quite a bit of information from PusleNet today.
- Questions about the NY and NJ illnesses that has different from the outbreak pattern.
- NJ three uploads. One is a three band difference, pattern B not part of the outbreak.
- Need to get the two data bases coordinated. We need to identify if there is a second or third stains and Taco Bell exposures.
- Need to have the degree of difference ready for the 1400 call.
- We to need to know and maintain that the patterns for possible secondary outbreaks.
- Need to have an Enteric Diseases Laboratory Response Branch (EDLRB) Lead in the DEOC. How can we get the information collected and shared.
- Need to get the PulseNet software set up. If we can get setup. Coordinate.
- Ask Michelle to communicate the food database.
- Reviewed state updates from Sunday. Not much information.
- Are there any information associated with PulseNet numbers or isolate identifiers?
- Are there any faster testing procedures?

Case Control

- Mike: 59 case interviews completed.
- 21 with no companions.
- 33 cases with companions, 62 companion controls
- 26 cases with no controls. 5 cases that have no controls reached, 16 potential controls not yet reachable.
- Analysis planned for today? Meal companion control. Our plan today is to focus on the companion control groups.
- Green Onions (28%) not significant
- Lettuce (11%), Beef (90%), Cheddar Cheese (90%), Taco Shell (58%) all significant.
- Do we have any notion of how much volume of food item sales? Taco Bell can get asap.
- Is there a way to identify how each store "builds' items.
- Is there a way to identify how much cross contamination occurs?
- Is there a specific set up for how the food items are set up on the food preparation line.
- We need to look into the lettuce and other distribution information.

Media Inquiries

- Who and when do we notify about the findings we are collecting?
- What do we share when?
- Is there evidence that indicates a specific vehicle.
- We cannot yet say what that the green onions are the vehicle, but we cannot rule them out either?
- If we share information to the FDA will it be immediately released?
- We still need information sharing with FDA
- CDC is interested in the results of the testing that FDA occurred. Said PCR is negative, but no follow up information at all. They (FDA labs) have not been participating on the calls.
- Does FDA have any information, laboratory testing or any relative information and or any status associated with the outbreak.
- There is another party in this (Taco Bell) who has been.
- We need to get a FDA (and maybe FSIS/USDA) on a member only call.
- We are not saying green onions are not implicated, but we cannot say they are not.
- Are you willing to say at 0930, off preliminary information that green onions are not implicated. We should have identification of what the vehicle is if we say green onions are not the vehicle.
- Industry makes the assumption that if we are asking about other items they might be implicated too.
- (Rick Jones) Media reports show following up with the Taco Bell information saying that all but green onions are tested clear. "Everyone knows it is green onions that caused this outbreak."

- Karen set up an 1100 call for FDA.
- Mike and Chris establish what information that we will share with FDA and FSIS.
- What do we need to say to Yum! Brands. Should FDA and CDC talk to Yum!?

Congressional

• Nothing to report

Plans Update

• Nothing to report

Ops Update

• Still here to support AAR.

HHS/FDA/CDC/USDA Call 0930

Phil Navin David Warnock Keith Holterman
Capt. O'Connor Gail Williams Ross Spears
Karen Deasy (FDA) Lt. Smith HHS SOC Chris Braden
Kevin Yesky (HHS) Ellen Morrison (FDA EOC) USDA EOC
Mitch Cohen Rob Tauxe Andy Flacks(REC Region II)

Danetta King (FDA EOC) Chris Harris (HHS) Ted Kennedy (HHS)

Michael Johnson Elizabeth Hagen (FDA FSIS) Mark Wilson – public affairs Kristin Holt (USDA) Karen Cleveland (REC IV) Capt. Wamsley (REC IX)

Current Staff Rhythm:

0830 CDC Internal call and Update 0930 CDC/HHS/FDA Conference Call 1200 Final Case Count Cut-off 1400 State Partners Conference Call (*E. coli*) 1800 IAP Distribution

CDC Update

- Dr. Warnock PulseNET update:
 - o 61 confirmed and probable cases, 20 confirmed 41 probable.
 - o 40 exact matches to the outbreak pattern. More confirmed to follow.
 - o Four states NY, NJ PA DE with confirmed cases
 - o Five states NY NJ PA DE SC with probable cases.
 - o Two possible outlying cases. UT and CA. No PFGE pattern info yet.
 - o 343 suspect cases still being investigated.
 - One outlying possible cases, MS, isolate does not match outbreak strain.
 - o Median age 17, 50% male/female, 50 hospitalized 7 HUS.
 - o November 20th earliest, December 2nd latest
 - Case Control Study
 - 59 cases interviewed with 32 companions
 - Analysis to begin later today
 - o Planning analysis today, 33 cases with 59 controls.
 - o Taco John outbreak in Iowa, appears to be lettuce.

FDA Update

- Ellen (FDA)
 - O Planning a call this morning with the four states involved for opening / closing Taco Bell restaurants.
 - o Still analyzing foods.
 - o CA is looking at the onion supplier and now so will FDA.

USDA/FSIS

Identified the distribution. NJ, VA, NY (three for the beef suppliers. Reviewing the plans of the handling updates in the distributionand supply process.

- Media:
 - o Washington Post, outbreak shows food safety net holes.
- REC Region I
 - o No input at this time
- REC Region II
 - ' o NJ and NY DoH have nothing to report.
- REC Region III
 - o DoH Training for Taco Bell workers.
- REC Region IX
 - o Nothing to report at this time

USDA Update

- USDA (Elisabeth Hagen)
 - o Record review of all protein products including steak, ground beef and chicken.
 - o Three distributors now identified for beef in NJ, VA, and now NY.
 - o Reviewing the plans for distributors for handling of all products within the window of opportunity to have been introduced in the affected restaurants.

Media Update

• Nothing to report at this time

HHS Update

- Let us know if we can be of any assistance.
- Same call in times tomorrow.

Summary CDC Internal Meeting, 0830 CDC/FDA/HHS Conference Call, 0930

General Information

- 61 confirmed and probable cases (5 states) 4 states with restaurants confirmed cases.
- Dates remain November 20 to December 2.
- No updates from Iowa Department of Health reports on the Taco John lettuce gastrointestinal illness outbreak.

E. coli Update

- There are 20 confirmed cases in four states (DE, NY, NJ and PA)
- There are 41 probable cases in five states (DE, NY, NJ, PA and SC)
- There are 343 suspect cases in six states (CT, DE, NJ, NY, PA and UT)
- There are 2 suspect cases in two states (CA and UT)
- There are 40 exact matching PFGE patterns:
- No significant changes to demographics

FDA Update

- Planning a call this morning with the four states involved for opening / closing Taco Bell restaurants.
- Still analyzing foods.

Media Update

• A Washington Post related to the current outbreak states "Outbreaks Reveal Food Safety Net's Holes."







CDC IAP Number 4: E. coli O157 Outbreak

1. Incident Name	2. Operational Period (Date/Tir	ne)		cuments Attached
E. coli O157 Outbreak	From: 12/10 18:00 Hours EDT	To: 12/11 18:00 Hours EDT		ICS 201 ICS 209
4. IMS Position	4a. Staff Member	5. IMS Mailbox		6. Phone number
Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov		770-488-7100
Chief Health Officer	Dr. David Warnock	IMS Chief Health/Science Office eocchiefhealthscienceofficer@cc	404-553-7737	
Operations Section Chief	Luis Poblano	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520	
Planning Section Chief*	Tom Reynolds	IMS CDC IMS Planning Section eocplansectionchief@cdc.gov	404-553-7815	
Logistics Section Chief	Mark Hansey	IMS Logistics Section Chief eoclogsectionchief@cdc.gov		404-553-7720
Finance/Admin Section Chief		IMS Fin & Admin Section Chief eocprocfinancechief@cdc.gov 404		404-553-7735
IMS JIC Lead	Gail Williams	eocjicleadership@cdc.gov 4		404-202-1030
IMS Safety Official		eocsafety@cdc.gov 404-639-2432		
Duty Officer		eocreport@cdc.gov		770-488-7100

7. Current Situation/Threats:

Eight states are now reporting cases to date. Five of the states have reported confirmed or probable case for a total of 61 cases reported. Food consumption/restaurant histories are continuing. Completed interviews for cases under investigation reveal that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets continue to range from 11/20 to 12/02. Other cases under investigation had illness onset as recent as 12/7. PFGE information for some case isolates is now available, and PFGE testing on remaining isolates is underway.

E. coli Update, 406 Case Counts as of 12:00pm December 10

406 Confirmed/Probable/Suspect/Possible cases total, 8 states*

State	Confirmed Cases Reported	Probable Cases Reported	Possible Cases Reported	Suspect Cases Reported
CA	0	0	1	0
CT	0	0	0	4
DE	2	0	0	2
NJ	9	19	0	35
NY	7	14	0	235
PA	1	8	0	66
SC	1	0	0	0
UT	0	0	1	1
Total:	20	41	2	343

^{*}Only confirmed and probable cases are being reported to the public at this time

Hospitalized: 50

Hemolytic Uremic Syndrome (HUS): 7

Deaths: 0

8. Planning Assumptions:

- 1. No known intentional foodborne threats have been identified by intelligence sources.
- 2. The outbreak vehicle still has not been confirmed at this time. However, food testing is continuing.
- 3. The risk to the public is considered ongoing and we expect additional cases to be identified in the coming days.
- 4. We anticipate maintaining the current staff rhythm over the next several days.





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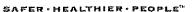
CDC IAP Number 4: E. coli O157 Outbreak

9. Planning Objectives:

- 1. Continue to pursue the identification of the food vehicle for the outbreak with USDA and FDA.
- 2. Maintain situational awareness of media interest, reports, etc. of outbreak events.
- 3. Continue to coordinate with FDA, DHHS and the states for information messaging to the public.
- 4. Continue to collect case counts from the states for reporting to the media and the public from the 12:00 noon electronic data submitted by the affected states.
- 5. Start analysis of case control data collected.
- 6 Continue to provide technical assistance as requested by states to support the outbreak investigation.

Continue to provide technical assistance.	stance as requested by states to support the outbreak investigation.
11. Special Equipment/Supplies Needed for	Assignment (if any)
N/A N/A Special Environmental Considerations (i	f any/
N/A	. any,
13. Special Site-Specific Safety Consideration N/A	ons (if any)
14. Other Attachments (if any) □ Map	
ICS 202 – CDC	5. PREPARED BY (NAME AND POSITION) Jacqueline Evans, IMS Incident Action Plan







CDC IAP Number 4: E. coli O157 Outbreak

	1. Incident Name	2. Date	3. Time
INCIDENT BRIEFING	E. coli O157 Outbreak	12/10/06	18:00 EDT
	4. Map and Epidem	niological Data	

Table 1. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak reported to

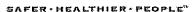
State	Confirmed	Probable	Possible	Suspect
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DE	2	0	0	2
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NY	7	14	0	235
PA	1	8	0	66
SC	1	0	0	0
UT	0	0	1	1
Grand Total	20	41	2	343

8 states reported cases

CDC as of December 10, 2006, 12:00pm EST

- 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 4 states with a Taco Bell restaurant where confirmed cases have eaten (DE, NJ, NY, and PA)
- 20 confirmed, 41 probable, 2 possible, and 343 suspect cases reported to CDC
 - 61 confirmed and probable cases reported publicly
 - 0 new confirmed and/or probable cases reported since December 9, 2006







CDC IAP Number 4: E. coli O157 Outbreak

Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 10, 2006, 12:00pm EST

Demographics	
Age in years, range (median), (N=59)	17 (4-61)
Age Categories, n (%), (N=59)	
< 5 years	1 (2)
5 - 17 years	33 (56)
18 - 59 years	23 (39)
> 59 years	2 (3)
Gender, n (%), (N=60)	
Female	30 (50)
Male	30 (50)

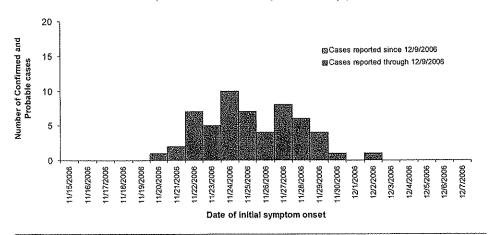
Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 10, 2006, 12:00pm EST

Outcome, N=61	n (%)	
Hospitalized	50 (82)	HUS Cases, N=7 Median age (years) 11
HUS	7 (11)	Range (years) 5-51
Death	0 (0)	

^{*}Cases with missing outcome information were considered to not have outcome

Figure 1. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 10, 2006, 12:00pm EST (N=56*)

*56 probable and confirmed cases with reported date of initial symptom onset



Illness onset range: 11/20/2006 – 12/2/2006



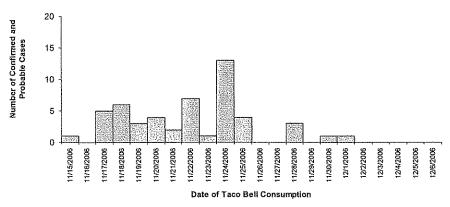




CDC IAP Number 4: E. coli O157 Outbreak

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 10, 2006, 12:00pm EST (N=51*)

*51 probable and confirmed cases with reported date of Taco Bell consumption



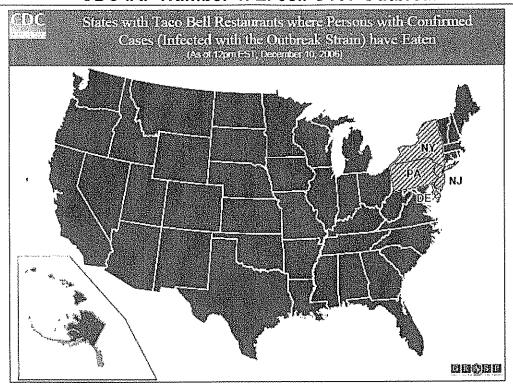
Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

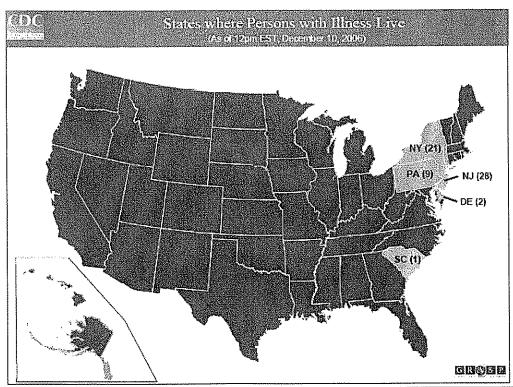




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CDC IAP Number 4: E. coli O157 Outbreak





ICS 201 - CDC

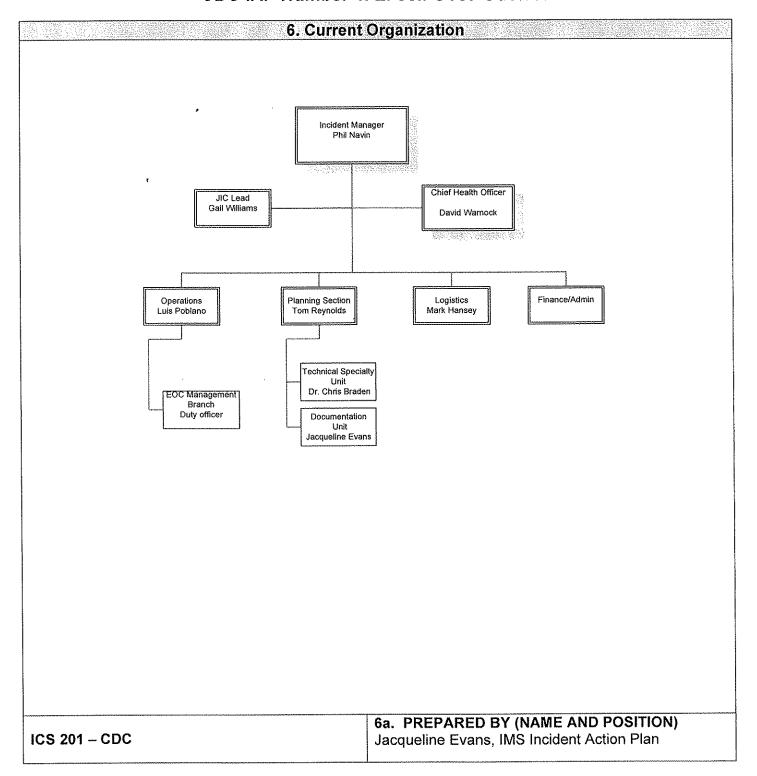
5. PREPARED BY (NAME AND POSITION)
IMS Tech Specialty Unit/GIS Sections





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CDC IAP Number 4: E. coli O157 Outbreak







CDC IAP Number 4: E. coli O157 Outbreak

	7a. Resources D	eployed eployed	
None			
•			

Resources Ordered	Resources Identified	ETA	On Scene (Y / N)	Location / Assignment	ARF / MA #
None					

ICS 201 – CDC		7c.	PREPARED B'	Y (NAME AND POS S Incident Action Plan	ITION)



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CDC IAP Number 4: E. coli 0157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - o 59 cases, 61 controls interviewed.
 - o Additional companion controls may be added.
 - o Analysis of the interview data has started.
- CDC continuing to provide assistance as needed and required.
- Cases will be counted as "probable" only in a State where a confirmed case had eaten at Taco Bell.

FDA Activities:

- 1300 conference call with all 50 states
- No isolate from produce that matches the outbreak strain has been found.
- Continue to state that green onions have not been identified as the vehicle.
- Still testing Taco Bell product samples (nearly all samples have tested negative)

USDA Activities:

- Continues to review distribution products associated with protein products supplied to Taco Bell.
- Record review of all protein products including steak, ground beef and chicken, the investigation is beginning with beef and then chicken.
- So far there are no significant indications for conducting in-plant reviews.
- Spices may be a factor in the investigation only if they are added to the food after process of cooking.

State Activities:

- States are continuing to provide epidemiological surveillance and testing activities. New cases continuing to be reported.
- As of 2 pm EST today, there were 43 isolates that matched the outbreak PFGE pattern submitted to Pulsenet. Of these, 20 have been reported 12PM EST today by the states as confirmed cases in this outbreak.
- Continuing case control study interviews. CDC is assisting with interviews, data collection and analysis.
- MS PFGE pattern does not match the outbreak pattern and has been dropped from the case count.
- The Black Hawk County Health Department in Iowa is currently investigating an apparent food-borne outbreak of a disease.
 - o Nineteen (19) cases have been identified as of Friday, December 8
 - o No information available concerning distributor.
 - o PFGE patterns have not been input in PulseNet.
 - o The Black Hawk County Health Department will continue its investigation over the weekend.
 - There is currently no evidence to connect this outbreak to the Taco Bell outbreak.

CDC JIC Report:

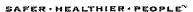
Report current as of 3pm December 10, 2006

Information Management Activities:

- Compiled tracking document to monitor all cleared, translated, posted and pending-clearance documents
- Continue to edit documents
- Continue to facilitate clearance process, specifically monitoring plain language Q&As
- Working with CHET Team to facilitate translation process
- Reviewing and monitoring web site for necessary edits

Community Health Education Team Activities: .







CDC IAP Number 4: E. coli O157 Outbreak

- Coordinated with IMT to clear and post general Q&A's in plain language format
- Sent forward the following documents to multi-lingual services for translation:
 Q and A's in plain language format http://www.cdc.gov/ecoli/qa_ecoli_sickness.htm
 E.coli Taco Bell Maps

http://www.cdc.gov/ecoli/2006/december/pdf/US E Coli 12 09 2006 stateofexposure v5.pdf http://www.cdc.gov/ecoli/2006/december/pdf/US E Coli 12 09 2006 stateofresidence v4.pdfhttp://www.cdc.gov/ecoli/2006/december/pdf/US E Coli 12 09 2006 stateofresidence v4.pdf

- Coordinated with Web team to ensure consistency and agreement between English and Spanish CDC websites (i.e. ensure links and headers are accurate)
- Collaborated with Web team and Multi-lingual services to post Spanish version of situational update and E.coli Taco Bell Maps http://www.cdc.gov/ecoli/es/
- Collaborated with IMT in creating a Document Tracker sheet

Pending:

- Request translation of plain language format of general Q & A's
- Request translation of situational update that is to be released tonight

Research Team:

Number of Media Stories on 12.9.06 = 318 (up from 308 on 12.8; source: Google News Search)

The following 2 major themes were observed in media headlines appearing on 12.09.06. News reports may not reflect findings of the investigation.

- Tests have eliminated all Taco Bell ingredients except green onions as a possible source of the E. Coli. Sample Headline: "Taco Bell testing clears all ingredients but onions"
- New cases of illness continue to be reported
 Sample Headline: "Confirmed cases in E. coli outbreak rise to 62 in U.S."

8a. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident
Action Plan

ICS 201 - CDC





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CDC IAP Number 4: E. coli O157 Outbreak

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1. Date 12/10/200)6	2.	Initial Update Final	⊠ _F	Name coli O15	7 Ou	ıtbreak		4. Incid	ent Numb	рег		
5. Incident M Phil Navin	lanager	1	of Health Offi avid Warno	cer 7. Type of	Incident	Restaurant 12/07/06							
10. Total CD	C Personne	el Deploy	/ed	11. Total CDC C	FRD Perso	nnel [Deployed	12. Ex	pected C	ompletion	n Date/	Time	Lamastuvvytenyvysten
13. Number of Period: Total: 0	of MAs Rec	eived:1	14. Number Period: Total: 0	of MAs Completed	i: 15. Nu Period Total:		of ARFs Re	ceived:			16. Nu Period Total:	_	ompleted:
17. Deaths 0	18. Cases Confirmed Probable: Suspect: Possible:	1: 20	19. Current N/A	Number of Evacue	es 20, Cu N/A	rrent i	Number of S	Shelters	o Open				
21. Current V WS WD	Veather- N Temp RH	I/A	22. Predicte WS WD	d Weather- N/A Temp RH	23. Co Unkn		Date					24. Estimated To Jnknown	tał Cost
					25. CDC		ets Deplo	yed					
Resources		Loca	ation	Miss	sion		Personnel Assigned		Team	n Lead		% Mission Complete	TOTAL TEAMS
Teams													None
Equipmen	t												Novo
									***************************************				None
Total Person Deployed	nel i											TEAMS:	None
26. Signific None	ant Events												
27. Signific None	ant Issues												
28. Prepared Jacqueline E Plan	-	Incident	Action Thon	pproved by nas Reynolds, CD0 ning Section Chief	O IMS	30.	Date 1	2/10/06	3		Tìr	ne 18:00 EDT	
ICS 209	- CDC	;											



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CDC IAP Number 4: E. coli O157 Outbreak

1. Incident Name	2. Operational Period (Date/Tir	ne)		3. Documents Attached	
E. coli O157 Outbreak	E. coli O157 Outbreak From: 12/10 18:00 Hours EDT To: 12/11 18:00 Hours EDT		1 ''	ICS 201 ICS 209	
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Incident Manager	Phil Navin	IMS Incident Manager eocincidentmanager@cdc.gov		770-488-7100	
Chief Health Officer	Dr. David Warnock	IMS Chief Health/Science Office eocchiefhealthscienceofficer@co	404-553-7737		
Operations Section Chief	Luis Poblano	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520		
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section eocplansectionchief@cdc.gov	404-553-7815		
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IMS JIC Lead	Gail Williams	eocjicleadership@cdc.gov	404-202-1030		
IMS Safety Official		eocsafety@cdc.gov 404-639-2432			
Duty Officer		eocreport@cdc.gov		770-488-7100	

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E. coli Update, 406 Case Counts as of 12:00pm December 10

406 Confirmed/Probable/Suspect/Possible cases total, 8 states*

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Total:	20	41	2	343

^{*}Only confirmed and probable cases are being reported to the public at this time

Hospitalized: 50

Hemolytic Uremic Syndrome (HUS): 7

Deaths: 0

8. Planning Assumptions:

- 1. No known intentional foodborne threats have been identified by intelligence sources.
- 2. The outbreak vehicle still has not been confirmed at this time. However, food testing is continuing.
- 3. The risk to the public is considered ongoing and we expect additional cases to be identified in the coming days.
- 4. We anticipate maintaining the current staff rhythm over the next several days.





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CDC IAP Number 4: E. coli O157 Outbreak

9. Planning Objectives:

- 1. Continue to pursue the identification of the food vehicle for the outbreak with USDA and FDA.
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- 4. Continue to collect case counts from the states for reporting to the media and the public from the 12:00 noon electronic data submitted by the affected states.
- 5. Start analysis of case control data collected.
- 6. Continue to provide technical assistance as requested by states to support the outbreak investigation.

11. Special Equipment/Supplies Needed	for Assignment (if any)
• N/A	
12. Special Environmental Consideration	ns (if any)
• N/A	
13. Special Site-Specific Safety Consider	rations (if any)
• N/A	
14. Other Attachments (if any)	
□ Мар	
100.000 000	5. PREPARED BY (NAME AND POSITION)
ICS 202 – CDC	Jacqueline Evans, IMS Incident Action Plan







CDC IAP Number 4: E. coli O157 Outbreak

INCIDENT BRIEFING	1. Incident Name	2. Date	3. Time
	E. coli O157 Outbreak	12/10/06	18:00 EDT
	4. Map and Epidem	niological Data	

Table' 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 10, 2006, 12:00pm EST

State	Confirmed	Probable	Possible	Suspect
CA	0	0	1	0
CT	0	0	0	4
DE	2	0	0	2
NJ	9	19	0	35
NY	7	14	0	235
PA	1	8	0	66
SC	1	0	0	0
UT	0	0	1	1
Grand Total	20	41	2	343

- 8 states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- 4 states with a Taco Bell restaurant where confirmed cases have eaten (DE, NJ, NY, and PA)
- 20 confirmed, 41 probable, 2 possible, and 343 suspect cases reported to CDC
 - 61 confirmed and probable cases reported publicly
 - 0 new confirmed and/or probable cases reported since December 9, 2006





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CDC IAP Number 4: E. coli O157 Outbreak

Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 10, 2006, 12:00pm EST

Demographics	
Age in years, range (median), (N≕59)	17 (4-61)
Age Categories, n (%), (N=59)	
< 5 years	1 (2)
5 - 17 years	33 (56)
18 - 59 years	23 (39)
> 59 years	2 (3)
Gender, n (%), (N=60)	
Female	30 (50)
Male	30 (50)

Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 10, 2006, 12:00pm EST

Outcome, N=61	n (%)	
Hospitalized	50 (82)	HUS Cases, N≈7 Median age (years)
HUS	7 (11)	Range (years)
Death	0 (0)	

[&]quot;Cases with missing outcome information were considered to not have outcome

Figure 1. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 10, 2006, 12:00pm EST (N=56*)

*56 probable and confirmed cases with reported date of initial symptom onset

Iliness onset range: 11/20/2006 – 12/2/2006



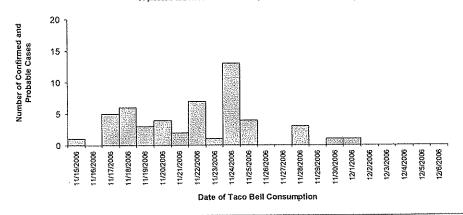


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CDC IAP Number 4: E. coli O157 Outbreak

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 10, 2006, 12:00pm EST (N=51*)

*51 probable and confirmed cases with reported date of Taco Bell consumption



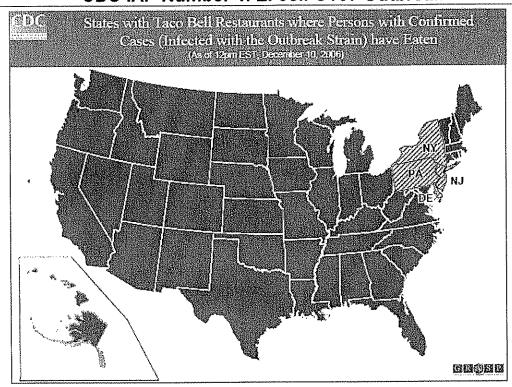
Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

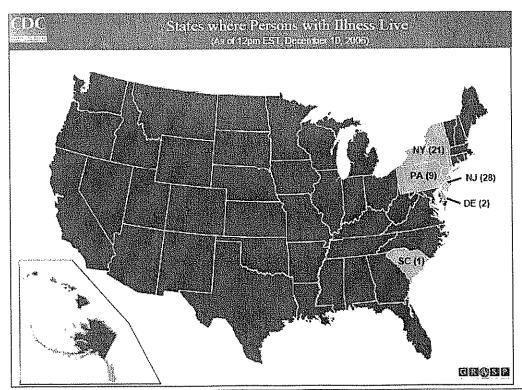






CDC IAP Number 4: E. coli O157 Outbreak





ICS 201 - CDC

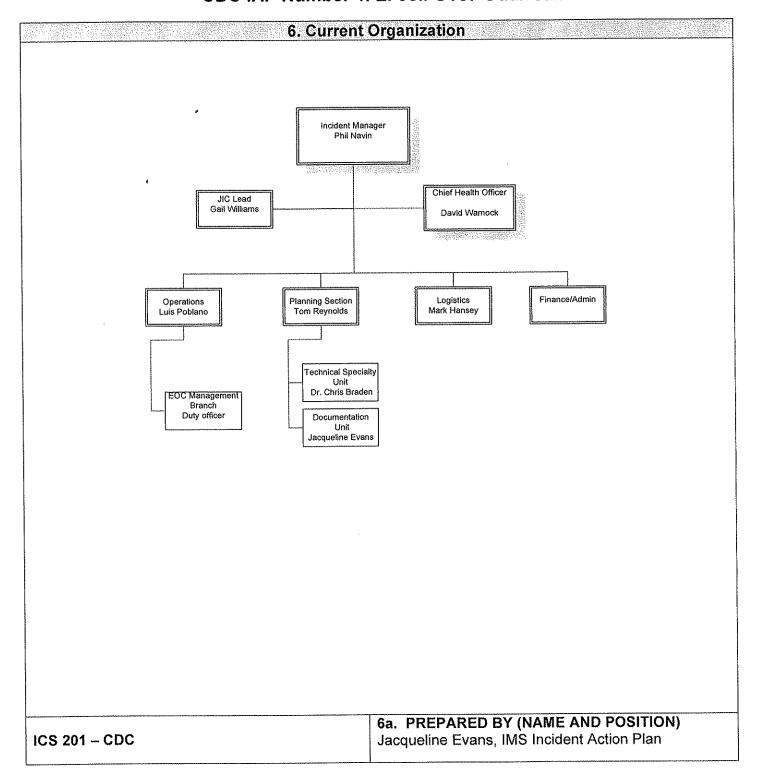
5. PREPARED BY (NAME AND POSITION)
IMS Tech Specialty Unit/GIS Sections





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CDC IAP Number 4: E. coli O157 Outbreak







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CDC IAP Number 4: E. coli O157 Outbreak

		7a. Resou	rces Deploye)d	
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None					

7c. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan



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CDC IAP Number 4: E. coli O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - o 59 cases, 61 controls interviewed.
 - o Additional companion controls may be added.
 - Analysis of the interview data has started.
- CDC continuing to provide assistance as needed and required.
- Cases will be counted as "probable" only in a State where a confirmed case had eaten at Taco Bell.

FDA Activities:

- 1300 conference call with all 50 states
- No isolate from produce that matches the outbreak strain has been found.
- Continue to state that green onions have not been identified as the vehicle.
- Still testing Taco Bell product samples (nearly all samples have tested negative)

USDA Activities:

- Continues to review distribution products associated with protein products supplied to Taco Bell.
- Record review of all protein products including steak, ground beef and chicken, the investigation is beginning with beef and then chicken.
- So far there are no significant indications for conducting in-plant reviews.
- Spices may be a factor in the investigation only if they are added to the food after process of cooking.

State Activities:

- States are continuing to provide epidemiological surveillance and testing activities. New cases continuing to be reported.
- As of 2 pm EST today, there were 43 isolates that matched the outbreak PFGE pattern submitted to Pulsenet. Of these, 20 have been reported 12PM EST today by the states as confirmed cases in this outbreak.
- Continuing case control study interviews. CDC is assisting with interviews, data collection and analysis.
- MS PFGE pattern does not match the outbreak pattern and has been dropped from the case count.
- The Black Hawk County Health Department in Iowa is currently investigating an apparent food-borne outbreak of a disease.
 - o Nineteen (19) cases have been identified as of Friday, December 8
 - o No information available concerning distributor.
 - o PFGE patterns have not been input in PulseNet.
 - o The Black Hawk County Health Department will continue its investigation over the weekend.
 - There is currently no evidence to connect this outbreak to the Taco Bell outbreak.

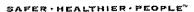
CDC JIC Report:

Report current as of 3pm December 10, 2006 Information Management Activities:

- Compiled tracking document to monitor all cleared, translated, posted and pending-clearance documents
- Continue to edit documents
- Continue to facilitate clearance process, specifically monitoring plain language Q&As
- Working with CHET Team to facilitate translation process
- Reviewing and monitoring web site for necessary edits

Community Health Education Team Activities:







CDC IAP Number 4: E. coli O157 Outbreak

- Coordinated with IMT to clear and post general Q&A's in plain language format
- Sent forward the following documents to multi-lingual services for translation:
 Q and A's in plain language format http://www.cdc.gov/ecoli/qa_ecoli_sickness.htm

 E.coli Taco Bell Maps

http://www.cdc.gov/ecoli/2006/december/pdf/US E Coli 12 09 2006 stateofexposure v5.pdf
http://www.cdc.gov/ecoli/2006/december/pdf/US E Coli 12 09 2006 stateofresidence v4.pdfhttp://ww
w.cdc.gov/ecoli/2006/december/pdf/US E Coli 12 09 2006 stateofresidence v4.pdf

- Coordinated with Web team to ensure consistency and agreement between English and Spanish CDC websites (i.e. ensure links and headers are accurate)
- Collaborated with Web team and Multi-lingual services to post Spanish version of situational update and E.coli Taco Bell Maps http://www.cdc.gov/ecoli/es/
- Collaborated with IMT in creating a Document Tracker sheet

Pending:

- Request translation of plain language format of general Q & A's
- Request translation of situational update that is to be released tonight

Research Team:

• Number of Media Stories on 12.9.06 = 318 (up from 308 on 12.8; source: Google News Search)

The following 2 major themes were observed in media headlines appearing on 12.09.06. News reports may not reflect findings of the investigation.

- Tests have eliminated all Taco Bell ingredients except green onions as a possible source of the E. Coli. Sample Headline: "Taco Bell testing clears all ingredients but onions"
- New cases of illness continue to be reported Sample Headline: "Confirmed cases in E. coli outbreak rise to 62 in U.S."

8a. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan

ICS 201 - CDC





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CDC IAP Number 4: E. coli O157 Outbreak

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Multi-state E. coli 0157 / Taco **Bell Outbreak**

Sunday, December 10, 2006 Updated numbers for

Information for internal use only

Table 1. Confirmed and probable cases in the E. coli O157 / Taco Bell outbreak reported to CDC as of December 10, 2006, 12:00pm EST

State	Confirmed Probable	Probable	Possible	Suspect
CA	0	0	- France	,
CT	0	0	0	- The state of the
DE	2	0	O	~
Z	6	19	0	32
N	2	14	0	235
PA	1	8	0	8
SC	1	0	0	
TD	0	0	- Constitution	
Grand Total		41	2	e E

- 8 states reported cases
- 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
 - 4 states with a Taco Bell restaurant where confirmed cases have eaten (DE, NJ, NY, and PA)
- 20 confirmed, 41 probable, 2 possible, and 343 suspect cases reported to CDC
 - 61 confirmed and probable cases reported publicly
- 0 new confirmed and/or probable cases reported since December 9, 2006

E. coli 0157 / Taco Bell outbreak, as of December 10, 2006, 12:00pm EST Table 2. Demographic characteristics of confirmed and probable cases in the

Demographics	4
Age in years, range (median), (N=59)	17 (4-61)
Age Categories, n (%), (N=59)	
< 5 years	1 (2)
5 - 17 years	33 (26)
18 - 59 years	23 (39)
> 59 years	2 (3)
Gender, n (%), (N=60)	
Female	30 (20)
Male	30 (20)

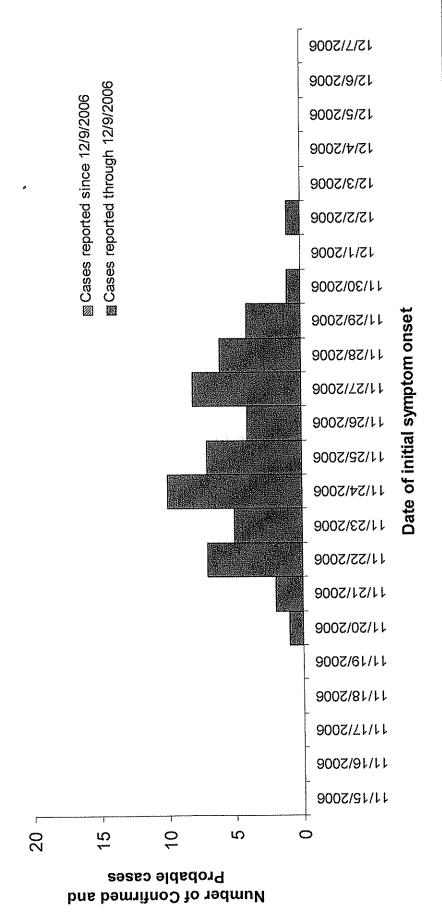
Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 10, 2006, 12:00pm EST

Outcome, N=61		
Hospitalized	50 (82) Median age (years)	4
HUS	7 (11) Range (years)	5-51
Death	0 (0)	

*Cases with missing outcome information were considered to not have outcome

Figure 1. Epidemic curve of confirmed and probable cases in the E. coli 0157 Taco Bell outbreak, as of December 10, 2006, 12:00pm EST

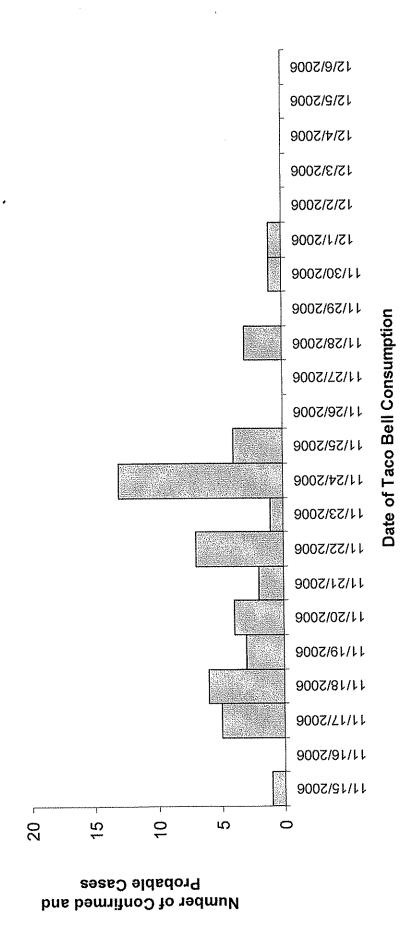




Illness onset range: 11/20/2006 - 12/2/2006

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 10, 2006, 12:00pm EST (N=51*)

*51 probable and confirmed cases with reported date of Taco Bell consumption



Date of Taco Bell consumption range: 11/15/2006 - 12/1/2006

*	Tonic	911	Author/POC	Clearance				Posted	Translations	Comments
<u></u>	2			POC/SME	Date		Cleared	r	*********	
					Sent	Rec	(X/X)		*	***************************************
_	Q&As for public	Questions and Answers	Cassie				>	12.7	Spanish	
		about E. Coli 0157:H7	Sheldon/Tanya							
		Outbreak in Taco Bell	Johnson							- 3 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2
7	Low-lit Version	Answers to Your	Sarah Gregory	Heather	12/8	12/8	>	12/8		Sent for Spanish translation.
	of General E.	Questions about		Bair-Brake			onnaide notes			of the second of the second of the second se
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က	Fact sheet for	E. coli Fact Sheet for	CCT	Heather	12/8	1	Z			Pulled from clearance.
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4	Link to E. coli	CDC Food Safety	N/A	Heather	12/8	12/8	>	12/8	mathematical in the state of th	Posted on Spinach outpreak site
	testimony	Activities and the		Bair-						
	•	Recent E.coli Spinach		Brake/Dave						
		Outbreak		Daigle						
3	Low-lit Version	Current Situation Q&A's:	Sara Gregory							Not sent for clearance since we were asked to
	of Q&As for	December 2006 E. coli								סמו כסוונפנור מפעפוסטונופנור סון נוסומי
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0830 CDC Internal Meeting- Exec Conf Room

Phil NavinGail WilliamsBruce BurneyClint MatthewsDavid WarnockRob TauxeChris BradenCapt. O'ConnorPatty GriffinKaren DeasyPeter Gerner-SmidtMichael Johnson

Ross Spears

Current Staff Rhythm:

0830 CDC Internal call and Update 0930 CDC/HHS/FDA Conference Call 1200 Final Case Count Cut-off 1400 State Partners Conference Call (*E. coli*) 1700 IAP Distribution

E. coli Update

Dr. Warnock—

Format for reporting cases, 4 possible.

2 sets of maps, one where persons live and one where they ate. Both are now posted. States seems to be receptive to the new format.

- o Total cases 61 (confirmed and probable) from 5 states
 - The one case from Utah is now dropped.
- o Trying to identify location of the exposures. Seem to be in four states, NY, NJ, PA, and DE.
- o MS has submitted a pattern via PulseNet for case that is not a match. It is a common pattern (the most common pattern).
- o NJ Enzyme patterns, 6 of 7 do not have the outbreak pattern.
- o 7th PFGE pattern is slightly different from the outbreak pattern.
- o 34 exact matches to the outbreak pattern. One more that is similar.
- o Michelle requests shiga-toxin for the one similar case.
- O CA case information has not been submitted yet, is a possible case no update.
- o MI/OH no information submitted yet.
- O NYC has a human case that matches up.
- o NY no information submitted yet.
- o MO no information submitted yet.
- O UT (NV state health department, information not yet submitted).
- o IA outbreak.
- o SC case: ate in PA and returned to SC.
- o PA six isolates uploaded with exact matches.
- Outbreak numbers, exact matches:
 - DE 2
 - Mass 1

- NJ 17
- NY 6
- NYC 1
- PA 6
- VA 1
- o IA case. Taco John, 3 outlets, 1 store, 33 illnesses, 11 hospitalized.
 - O157, seems to be linked to lettuce.
 - Had a food worker who was ill and worked while ill, but culture negative.
 - No PFGE information yet. Have shiga toxin positive.
 - No information on source of lettuce supplier.
 - Iowa has issued a statement that indicates the outbreaks are not related.
 - CDC will state that the PulseNet patterns needs to be received first.

FDA

- O Current version of food code, has recommendations on what to do if a food-worker has exposure, identifies the four scenarios and then also what Taco Bell SOP says.
- o Information needs to be cleaned up, immediate information can be emailed.
- o When can restaurant re-open.
- o Expectation is for the Federal Government needs to submit guidelines to allow stores to re-open. Based on what the food code says etc...
- A lot of discussion needs to happen and information needs to be disseminated.

• Case Control Studies

- o 59 cases with interviews, 32 with companion controls.
- o 61 companion controls and a few additional that may be added.
- o Waiting for cases patient and friends.
- o 95% of cases so far showing lettuce in the meals.
- o ~33% reported eating items with green onions in the "build".
- O Was there cross contamination? Bin to bin to bin.
- o Go slow on the "green onion" theory.
- o CA (and be cause of that FDA is going to) is going to the Oxnard plant.
- o Official response will be "Analysis will be started later today."

Media Inquiries

- May have "pass until Monday".
- Taco Bell press release on Saturday.

- May have released the article as guidance for other open stores.
- Their information is based on the tests on foods, which CDC would not.
- "The evidence proposed in their press release would not be what we would use."
- "As a corporation, they have been open and actively attempting to resolve."
- This is an ongoing investigation and is work in progress.
- We are collaborating with the FDA.
- We need to add this to the 1300 call with the FDA.

Congressional

• Nothing to report

Plans Update

• Nothing to report

Ops Update

• Still here to support AAR.

HHS/FDA/CDC/USDA Call 0930

Phil Navin
Capt. O'Connor
Capt. O'Connor
Gail Williams
Karen Deasy (FDA)
Kevin Yesky (HHS)

David Warnock
Gail Williams
Ross Spears
Chris Braden
Ellen Morrison (FDA EOC)
USDA EOC

Mitch Cohen . Rob Tauxe Andy Flacks(REC Region II)

Danetta King (FDA EOC) Chris Harris (HHS) Ted Kennedy (HHS)

Michael Johnson Elizabeth Hagen (FDA FSIS) Mark Wilson – public affairs Kristin Holt (USDA) Karen Cleveland (REC IV) Capt. Wamsley (REC IX)

Current Staff Rhythm:

0830 CDC Internal call and Update 0930 CDC/HHS/FDA Conference Call

1200 Final Case Count Cut-off

1400 State Partners Conference Call (E. coli)

1700 IAP Distribution

CDC Update

- Dr. Warnock PulseNET update:
 - o Fourth category of outbreak cases for outlying states. None culture or culture confirmed. History of eating in Taco Bell and cases where were are awaiting on a PulseNet pattern.
 - o Reporting confirmed and probably cases. 19 confirmed 42 probably 61 total and 330 suspect cases. 1 CA probable, 1 MS probable
 - o Two new map products, one with where the exposures occurred
 - o Four states NY, NJ PA DE with confirmed cases
 - o Five states NY NJ PA DE SC with probable cases.
 - Outlying states. Mississippi case. PFGE pattern is in and it is not the outbreak stain, it is in fact the most common strain in PulseNet.
 - o We have 34 exact matches in the PulseNet data base
 - o We are matching with epi database
 - o 33 people sick, all exposed at a specific outlet, Iowa state DoH reports it is believe that it is linked to lettuce but is still under investigation
 - Case Control Study
 - 59 cases interviewed with 32 companions
 - Analysis to begin later today
 - o Do we know distribution network? No, not yet.
 - o Do we know outbreak times? CDC does not know yet.
 - o NY said it could have erroneous data, and that physicians may not request appropriate samples. It is CDC

FDA Update

- Ellen (FDA)
 - o Original samples were the retained samples from the original collections.
 - o Green Onions submitted, tested all negative.
 - o Lettuce submitted and tested, all negative.
 - o Cilantro submitted and tested, all negative.
 - o Tomatoes so far negative not complete.
 - o Plates all tested negative.
 - o Retention samples are still being tested.
 - o Want the FDA and Yum Brands (Taco Bell) to talk about information release.
- Media:
 - o We may issue press release today, we may not, depends on the 1400 call.
 - Yum Brands released press statement yesterday stating it is green onions and that they have been removed
 - o New York Times article
- REC Region I
 - o No input at this time
- REC Region II
- REC Region III
 - o No input at this time
- REC Region IX
 - o Nothing to report at this time

USDA Update

- USDA (Elisabeth Hagen)
 - o Record review of all protein products including steak, ground beef and chicken, the investigation is starting with beef and then chicken.
 - o Two distributors, for beef and two for chicken.
 - O So far there are no significant indications for conducting in plant reviews.
 - Question about addition of spices including in the cooking process, it appears they are added before and should not be a factor in the investigation.
 - o If evidence indicates that the spices are added after the cooking process then the investigation will continue.

Media Update

• Nothing to report at this time

HHS Update

• Let us know if we can be of any assistance

Summary CDC Internal Meeting, 0830 CDC/FDA/HHS Conference Call, 0930

General Information

- A new category has been added to the case definition to address a number of reports in probable case category from states around the country who have not been part of the outbreak to date.
- Case Control Study has completed 59 case interviews and 61 case companion interviews and will continue through the weekend until complete.
- Iowa Department of Health reports outbreak in a (single) Taco John store:
 - o 11 hospitalized and 22 other are ill.
 - Outbreak appears to be tied to lettuce.
 - o No information available concerning distributor.
 - o IA DOH issued statement the two outbreaks are not related.
 - o Patterns have not been input into PulseNet.

E. coli Update

- There are 19 confirmed cases in four states (DE, NY, NJ and PA)
- There are 42 probable cases in five states (DE, NY, NJ, PA and SC)
- There are 330 suspect cases in five states (CT, DE, NJ, NY and PA)
- There are 34 exact matching PFGE patterns:
 - o DE 2
 - o MA-1
 - o NJ-17
 - o NY -7
 - \circ PA -6
 - o VA-1
- No significant changes to demographics

FDA Update

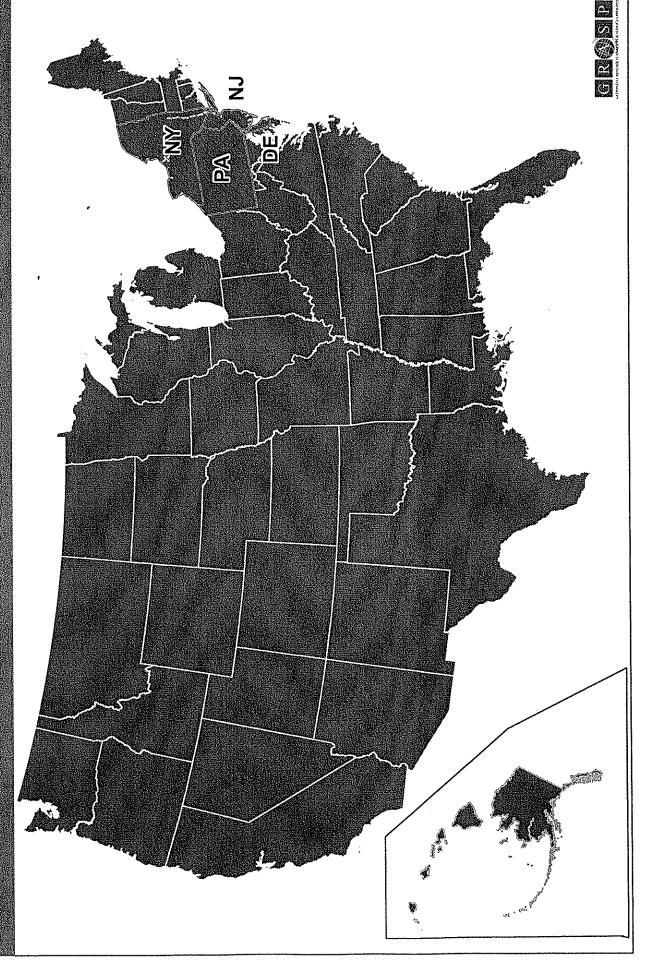
- To date, still do not have an isolate from produce that matches the outbreak strain.
- Still testing Taco Bell product samples (nearly all samples have tested negative)

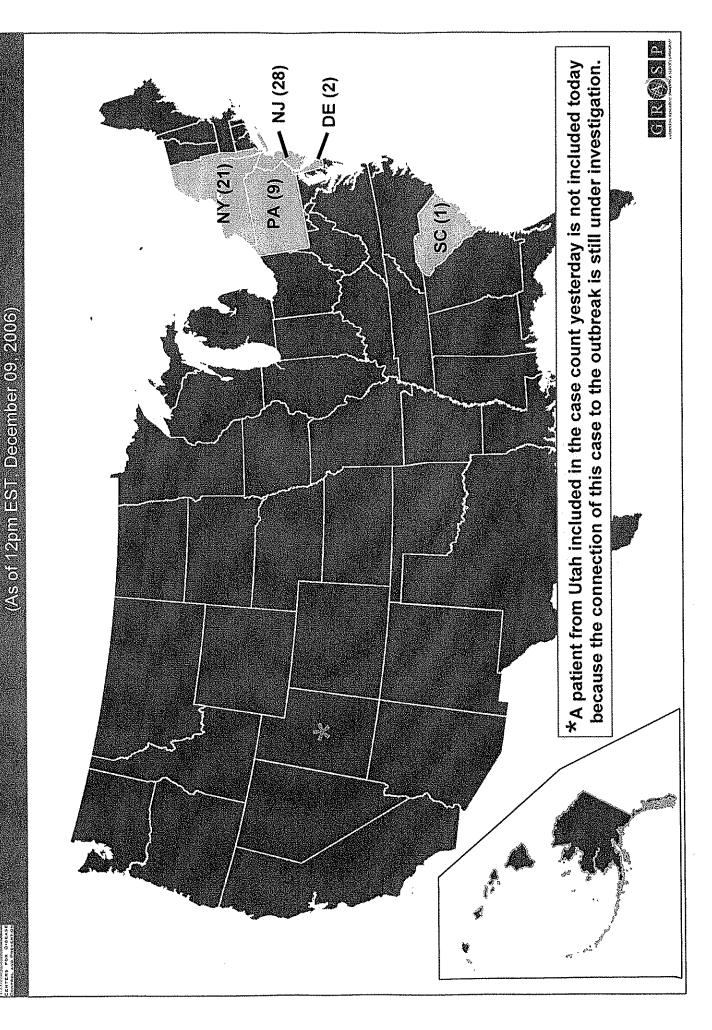
Media Update

• Taco Bell issued press release "Taco Bell Corp. announced today that its restaurants are safe and that all ingredients have tested negative for E. coli 0157:H7, with the possible exception of green onions"

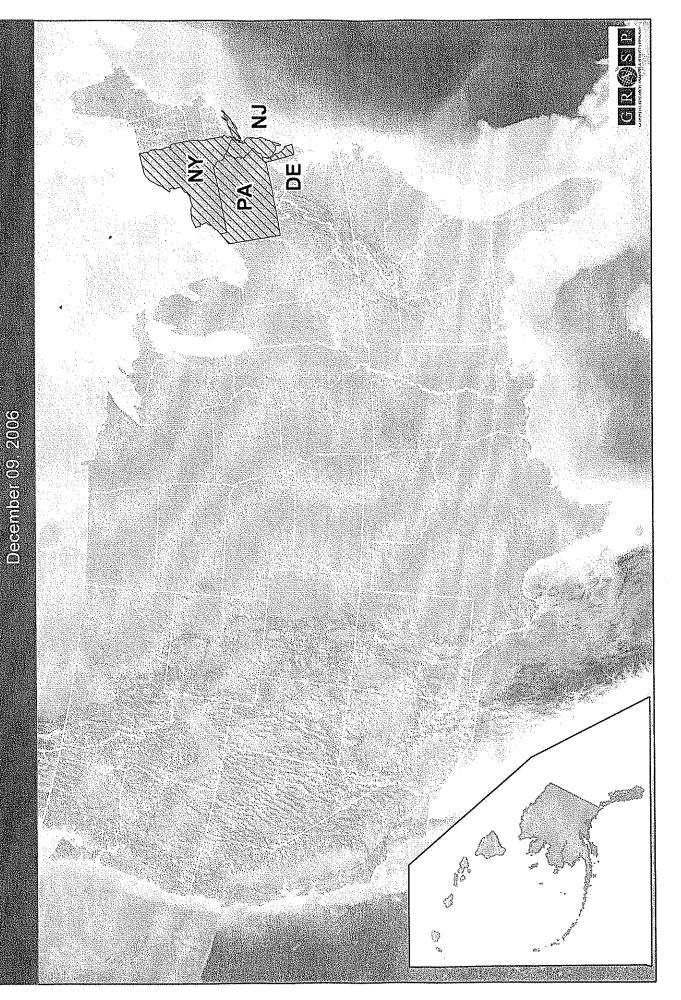
States with Taco Bell Restaurants where Persons with Continued Cases (Infected with the Outbreak Strain) have Eaten

(As of 12pm EST, December 69, 2006).





States with Taco Bell Restaurants where Persons with Confirmed Cases (Infected with the Outbreak Strain) have Eaten December 09, 2006



0830 CDC Internal Meeting- Exec Conf Room

Phil NavinGail WilliamsBruce BurneyTom ReynoldsDavid WarnockRob TauxeChris BradenCapt. O'ConnorPatty GriffinKaren DeasyPeter Gerner-SmidtMichael Johnson

Ross Spears

Current Staff Rhythm:

0830 CDC Internal call and Update 0930 CDC/HHS/FDA Conference Call 1200 Final Case Count Cut-off 1400 State Partners Conference Call (*E. coli*) 1700 IAP Distribution

E. coli Update

- Dr. Braden
 - o Total cases 62 (confirmed and probable)
 - o Many people reporting feeling ill 2 wks ago after eating at Taco Bell, but nothing can be done with them now (they do not have anymore food samples available)
 - o 49 hosp (78%)
 - o 7 HUS (11%)
 - o No deaths reported
 - o Median age range: 5-17, 18-59
 - Onset is still 11/20 and 12/2
 - o Suspect cases being identified with onsets of 12/8
 - o Core area is DE, NY, NJ, PA, SC, (UT and CT??) Core Area "Red Zone"
 - o MA and SC cases both ate at a Taco Bell in PA
 - VA case? Isolate came through VA PulseNET (is a NJ resident) do not know why isolate came from VA – NJ looking into this, attempted to contact that resident yesterday
 - o Two west coast cases:
 - First case traveled to UT from CA (ate at Taco Bell in CA and UT) now in hospital in NV
 - Second case with culture confirmed O157 who ate at a Taco Bell in CA (no further info)
 - OH probable case, positive PFGE who ate at Taco Bell in OH
 - o MD case MI resident who went to a family gathering in MD (illness onset in MD, still in MD, and ate at a Taco Bell in Chicago, IL)
 - o Definition of probable: PFGE not completed or pending if not matching 'confirmed', it is not included in count.
 - o There is a known core area (geographical) for outbreak: if ate at Taco Bell in that area, they should be included in case definition.

- Should cases that fall outside of geographic area be included?
 Green onions from Taco Bell all come from Salinas, CA
- o Dr. Braden on CNN last night again
- O We have used "associated" cases terminology with the media, not "confirmed" or "probable" (sometimes, media converts 'associated' to 'confirmed')
 - Define "associated" on the website?
 - A certain number of probables will drop off due to not being "confirmed" cases
- o Identify states by 'states of exposure' and show on the website map(s)
 - Two maps on the website for the media? If using case definition, show asterisks with wording about exact state where exposure occurred.
 - ➤ Only one in contention is UT (put asterisk statement?) do not know if UT has outbreak strain
 - > UT case is a possible (probable pending PFGE by Monday)
 - Dr. Braden Skip a reporting day to change case definition in order to change maps?
 - Not all probables will necessarily be 'confirmed' (probables will go away when case count is caught up)
 - Don't add new states that are not PFGE confirmed
 - Don't include CA, MS, VA cases (PFGEs are pending) they are possible states pending investigation. (show SC ate in PA)
 - > Stay with existing map, and show exposures?
 - ➤ Show two maps!!
 - > 21 with matching PFGE enzymes
- MS case is culture confirmed O157 (unknown age child at Taco Bell and played in food)
 - Physicians in state warned by CDC about possibility of connection
 - No press release yet
 - MS wants PFGE match first
 - MS to report to CDC today with PFGE results today (if no match today, will fall off of case definition)
 - If PFGE not completed today, will stay a probable case
 - Not included in case count at this time
- Lab updates:
 - o FDA update: Green onions samples that Taco Bell testing in contract lab that is pos with typical colonies, a plate and broth went to FDA lab, PCR negative IAW with protocol.
 - o Five specimens total
 - Positive dipstick results, but saw something on SMAC plate (selective AGAR culture)
 - O Still associated with Taco Bell, but do not know vehicle

- Case Control Studies
 - o Meal companions: close to finishing interviews
 - o Number of cases trying to do reverse directory with neighbors to see if they ate at Taco Bell did not find one who did eat at Taco Bell (asking for 7 days prior, with credit card receipt)
 - o Plan C with credit card (IFO store).
 - o Asking Taco Bell for sales data of food items
 - O Tauxe ask meal companions if they have friends who ate at Taco Bell
- States have requested 1300 call with FDA to discuss:
 - · o Food handlers
 - o Recommendations to exposure of stores (Taco Bell)
 - Closures and re-opening

Media Inquiries

• Nothing to report

Congressional

• Nothing to report

Plans Update

• Nothing to report

Ops Update

• Still here to support AAR.