

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.

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*)
1700 IAP Distribution

CDC Update

- Dr. Warnock – PulseNET update:
 - PulseNET – 21 isolate confirmed... expecting more patterns uploaded today and tomorrow.
 - PFGE isolates:
 - DE – 2
 - NJ – 11
 - NY – 6
 - PA – 1 (includes MA case who ate at a Taco Bell in Philadelphia)
 - VA – 1 (is a NJ resident)
- Dr. Braden:
 - 62 cases meeting definition (confirmed and probable)
 - 6 states
 - DE – 1
 - NJ – 28
 - NY – 19
 - PA – 8
 - SC – 1
 - UT – 1
 - 12 confirmed cases reported
 - 46 probable cases reported
 - 125 suspect cases reported
 - CT – 2 (suspect cases, not meeting case definition)
- Going to show two maps on website
 - One with states showing confirmed exposure (where is outbreak exposures occurring) PFGE match cases only

- Second map showing number of cases by state
- Elizabeth – suspects case increase? Do not release suspect case count to public
- Navin – releasing IAP from FDA and CDC for distribution? Yes, as they come in
- Ted K. – what is number of cases not meeting definition? Total number of suspect cases is 192
 - Braden – clarification: some under investigation that will move into probable or confirmed case counts.
 - Those that were sick several weeks ago after eating at a Taco Bell – we will never know what they were sick from
 - Some patterns not matching the outbreak strain will drop off as suspects and will not be included in the count (probables/confirmed)
- Harry (PA DOH)
 - Made contact with State Health Dept – possible to get federal help in retraining Taco Bell employees?
 - Taco Bell had retraining program and conducting it on their own (sanitation and cleanliness?)
 - Ted Kennedy -- Needs to be addressed with state health to see what type of training is requested

FDA Update

- Ellen (FDA)
 - Call with 50 states yesterday and Ag Dept
 - NJ provided additional records for Yum Brands regarding distro for stores where they believe there is illness
 - Looking at sources of all Taco Bell products... grn onions, cilantro, and lettuce (three that are usually implicated)
 - Taco Bell previously reported presumptive positives on green onion samples.
 - Sent to us and are now showing PCR negative on those samples
 - NY sample showing positive but not matching PFGE isolates outbreak strain (test done on an open bag? Possibly yes) Outbreak strain is Shiga Toxin is type 2 – NY sample is Shiga Toxin type 1 and type 2
 - Believe green onions are from CA
 - States and local DOHs have closed those restaurants (state and local jurisdiction)
- REC Region I
 - No input at this time
- REC Region II

- REC Region III
 - No input at this time
- REC Region IX
 - Nothing to report at this time

USDA Update

- USDA (Elisabeth Hagen)
 - Attempting to expedite trace backs in Irvine, CA
 - Investigators examining over 220 distribution sheets
 - Not looking at individual spices (spicy chicken, southwest marinade, looking at 4 protein products
 - Steak
 - Carnitas (pork)
 - Ground beef
 - Chicken

Media Update

- Nothing to report at this time

HHS Update

- Let us know if we can be of any assistance

E. coli O157:H7 multi-state Outbreak
1400 Conference Call

E. coli Update, Case Counts - Chris Braden

As of 1:00 p.m. EDT December 9, 2006

394 cases total, 9 states (CA, CT, DE, MS, NJ, NY, PA, SC, UT)

State	Confirmed	Probable	Suspect	Possible
CA	0	0	0	1
CT	0	0	4	0
DE	2	0	2	0
MS	0	0	0	1
NJ	9	19	36	0
NY	6	15	228	0
PA	1	8	59	0
SC	1	0	0	0
UT	0	0	1	1
Totals:	19	42	330	3

Confirmed cases / Probable cases / Suspected cases

Demographics:

- Peak is 11/24
- Median age: 17 (evenly divided between males/females)
 - None under 2, none over 59
- Hospitalizations - 49 (80%)
- HUS – 7 (11%) median age is 11
- No deaths reported
- First onset is 11/20, most recent is 12/2, no shift in epi curve
- NJ onset of 12/4 probable case from food worker (mild illness on 12/4)
 - PulseNET has confirmed it is a different pattern
 - it will be dropped from case counts (probables)
- Case definition: adding another category of cases (trying 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)
- 61 cases (confirmed + probable) from nine states to be released in case count
 - UT will be dropped and put into new case definition. Place an asterisk (*) on the map. UT case awaiting PFGE

Updates from States

- NY
 - 6 confirmed, 15 probables, same info as yesterday,
 - Suspect case is onset of 12/7
 - Age range is btw 9-61
 - One new HUS case
 - 11/20 – 11/29
 - 15 hospitalizations (51%) - confirmed/ probables
 - HUS = 3
 - Have not identified any other restaurants
 - Connected or not? Unknown at this time
 - Clusters in Long Island
 - Equal probability in Nassau and Suffolk counties – tied in to truck route for delivery of food items to taco bell.
 - Several small community hospitals in Nassau county less likely to do detailed testing for patients with electrolyte imbalances
 - Commercial labs: majority of physicians not aware of stool culture order sensitivity, testing for e. coli O157
 - CDC to look at larger labs for stool culture sensitivities
- NJ
 - 9 confirmed/ 19 probables
 - Two PFGE outbreak pattern matches (one enzyme), with unknown food history with no Taco Bell exposure (now one has Taco Bell exposure)
 - No family exposure, but traveled within the state and ate mostly at relative's residence
- PA
 - One confirmed case, exposure in Philadelphia, resides in MA (female student) – only confirmed case, still on PA case count
 - 11/23 – 12/7 onset dates
 - Nothing from Philadelphia
 - Have not identified any other restaurants
- DE
 - Two confirmed cases, one PFGE match (is a Taco Bell case who ate in NJ)
 - Other case dined at a Taco Bell on 11/20
- CT
 - Nothing to report

- SC
 - One confirmed case, 11/22
 - 7 year old child who ate at a Taco Bell in PA

- UT
 - Case reported eating at PA Taco Bell on 11/15
 - onset 11/21, culture is pending
 - Took four doses of antibiotics before going to hospital this morning
 - Hoping to have final PFGE results by 12/11
 - have culture positive on *E. coli* O157
 - CDC has requested isolate data from NV state lab

- CA
 - Ate at Taco Bell in CA on 11/22
 - onset of 11/27, hospitalized
 - PFGE being ran currently (classified as a possible case and not included in case counts)

- MD
 - No confirmed or probable cases at this time
 - Not matching case definition at this time
 - A family gathering in NY with a MD resident who ate at a Taco Bell in MI.(Detroit Airport -- not Chicago, IL)

- MS
 - 15 year old ate at Taco Bell in MS on 11/25
 - onset 11/29
 - hospitalized on 11/30
 - HUS 12/4
 - Confirmed *E. coli* O157, pending PFGE
 - Will be a possible and not included in case count at this time

- OH
 - OH resident with PFGE pending (falls into possible case category)
 - Ate at Taco Bell in Ohio
 - CDC to follow up

- MO
 - Two suspect cases
 - Will follow up to get more information

- VA
 - Nothing to report at this time

Epidemiological Investigation Plans:

- Identify the specific menu items (Mike Lynch/CDC)
 - 55 case interviews, 54 case companion interviews
 - 20 dined alone
 - 8 dined with companions (companions not reached yet)
 - 29 with corresponding controls
 - Handful of cases with meal companion controls (very successful)
 - Reverse directory dialing had not been successful (will not probably continue with)
 - Will discuss alternative recruitment strategies with the Epi work group

Laboratory Updates:

- Peter – as of 1300 today, still no major changes
 - Received one upload, two enzyme match from NYC
 - NY will have at least 8 tomorrow
 - NJ working on some, will submit some later today
 - MS pattern expected around 1600 today
 - No updates from states on foods (trying to contact PA on their 3 suspect colonies) PA lab is working on it and data will be available sometime after 1700 EST – will be reported tomorrow
- FDA food testing:
 - More cultures to be tested – more to follow
- NY food testing:
 - No additional PFGE results as of today – will possibly have results late tomorrow or Monday morning
 - Food isolate has been bio-chemical confirmed *E. coli* O157 – waiting on pattern match
- USDA (Kristin Holt)
 - NY green onions collected in a restaurant – food handlers have been tested (collected on 12/4) from Nassau County – did not identify any employee stool samples

Interventions:

- Employee Health:
 - Jack or Jay? (FDA) – providing guidance from CDC/FDA specifically food service health and hygiene for Taco Bell workers
 - FDA food code in conjunction with state/locals every two years (2005 is current version)
 - Unknown if Chapter 2 of 2005 code book has been adopted by state/locals (for employee health/hygiene)
 - Two categories:
 - Under assumption for confirmed *e. coli* O157
 - Under assumption to exposure to *e. coli* O157

Communications and Press Coordination:

- Press Releases for today?
 - MS preparing one today
 - NYC giving press the numbers (did not report confirmed case from this morning – will report it tomorrow)

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

General Information

- Adding new category to case definition (**Possible**) 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 55 case interviews and 54 case companion interviews – to continue through the weekend until complete.
- CDC and FDA providing guidance to Taco Bell workers for food service health and hygiene in accordance with the FDA 2005 Food Code.

E. coli Update

- There are 61 confirmed and probable cases in five states
 - DE - 2
 - NJ - 28
 - NY – 21
 - PA – 9
 - SC – 1
- There are 330 suspect cases in six states (CT, DE, NJ, NY, PA, and UT)
- Demographics (evenly divided between males and females)
 - 19 confirmed cases
 - 42 probable cases
 - 330 suspect cases
 - 3 possible cases – CA / MS / UT (new category to case definition)
 - 49 cases with hospitalization (80%)
 - 7 cases with HUS (11%)
 - No deaths reported

FDA Update

- To date, still do not have an isolate from produce that matches the outbreak strain.
- Still looking at Taco Bell product sources (mainly green onions, cilantro, and lettuce)
- Taco Bell samples previously reported presumptive positives on green onion are now showing PCR negative

Media Update

- Over 1,400 website hits today – to date, over 56,000 hits
- CDC Media Relations is tracking over 300 related stories (down from 898)
- Media stories are still placing strong emphasis on green onions (one regarding an Oxnard, CA farm)



CDC IAP Number 3: *E. coli* O157 Outbreak

1. Incident Name <i>E. coli</i> O157 Outbreak	2. Operational Period (Date/Time) From: 12/09 18:00 Hours EDT To: 12/10 18:00 Hours EDT		3. Documents Attached 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	Captain Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Chief 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	404-553-7735
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

7. Current Situation/Threats:

Nine states are now reporting cases to date. Less than half of these cases under investigation have been culture-confirmed infections with *E. coli* O157 to date. 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, 394 Case Counts as of 12:00pm December 9

394 Confirmed/Probable/Suspect/Possible cases total, 9 states*

State	Confirmed Cases Reported	Probable Cases Reported	Suspect Cases Reported	Possible Cases Reported
CA				1
CT			4	
DE	2		2	
MS				1
NJ	9	19	36	
NY	6	15	228	
PA	1	8	59	
SC	1			
UT				1
Total:	19	42	330	3

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

Hospitalized: 49

Hemolytic Uremic Syndrome (HUS): 7

Deaths: 0



CDC IAP Number 3: *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 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 through the weekend.

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. Continue case control study interviews in conjunction with the states.
6. 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 Considerations (if any)

- N/A

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

- N/A

14. Other Attachments (if any)

- Map

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 3: *E. coli* O157 Outbreak

INCIDENT BRIEFING	1. Incident Name <i>E. coli</i> O157 Outbreak	2. Date 12/09/06	3. Time 18:00 EDT
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4. Map and Epidemiological Data

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 9, 2006, 12:00pm EST

State	Confirmed	Probable	Suspect	Possible
CA	0	0	0	1
CT	0	0	4	0
DE	2	0	2	0
MS	0	0	0	1
NJ	9	19	36	0
NY	6	15	228	0
PA	1	8	59	0
SC	1	0	0	0
UT	0	0	1	1
Grand Total	19	42	330	3

- **9** states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- **19** confirmed, **42** probable, **330** suspect, and **3** possible cases reported to CDC
 - **61 confirmed and probable cases reported publicly**
 - 1 new confirmed and/or probable cases reported since December 8, 2006



CDC IAP Number 3: *E. coli* O157 Outbreak

Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 9, 2006, 12:00pm EST

Demographics	
Age in years, median (range), (N=57)	17 (4-61)
Age Categories, n (%), (N=57)	
< 5 years	1 (2)
5 - 17 years	32 (56)
18 - 59 years	22 (40)
> 59 years	2 (2)
Gender, n (%), (N=59)	
Female	30 (51)
Male	29 (49)

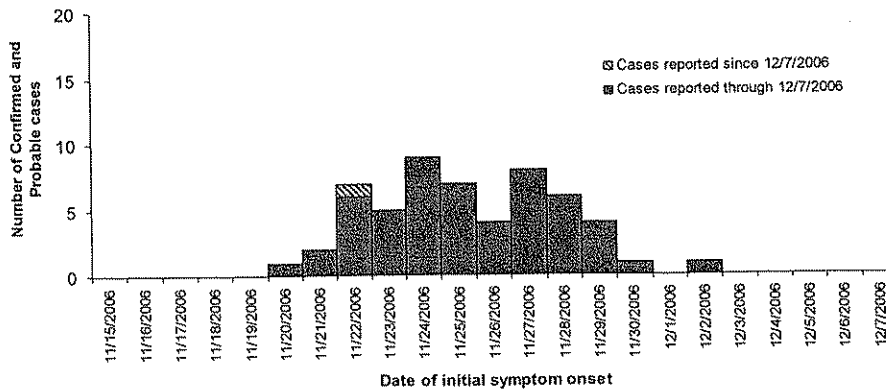
Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 9, 2006, 12:00pm EST

Outcome, N=61	n (%)	HUS Cases, N=7
Hospitalized	49 (80)	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 9, 2006, 12:00pm EST (N=55*)

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



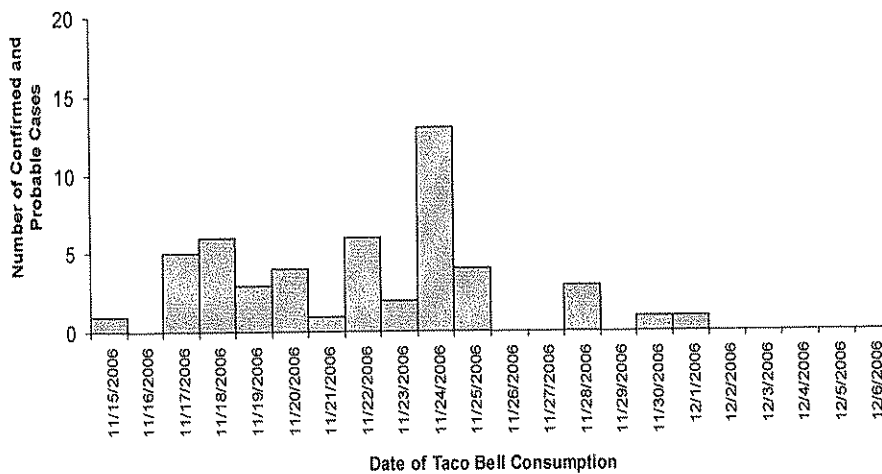
- Illness onset range: 11/20/2006 – 12/2/2006



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Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 9, 2006, 12:00pm EST (N=50*)

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



- Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

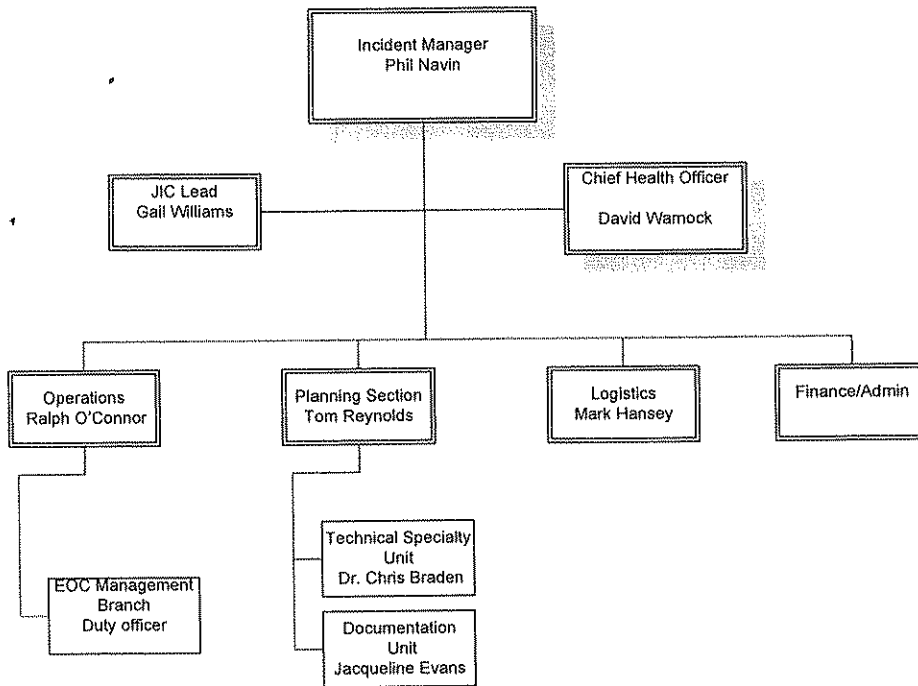
ICS 201 – CDC

5. PREPARED BY (NAME AND POSITION)
IMS Tech Specialty Unit/GIS Sections

6. Current Organization



CDC IAP Number 3: *E. coli* O157 Outbreak



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6a. PREPARED BY (NAME AND POSITION)
Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 3: *E. coli* O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - 55 cases, 54 controls interviewed
 - NY working on controls, awaiting info from locals
 - FDA would like to participate in the case controls studies with CDC.
 - Goal to complete case control study this weekend and start analysis.
 - The continuing investigation into the *E. coli* outbreak will require the assistance of epidemiologists for the purpose of locating and conducting phone interviews with controls.
- CDC will post two (2) maps daily; one with *States Where Persons With Illness Live* and one with *States with Taco Bell Restaurants Where Persons With Confirmed Cases (Infected With The Outbreak Strain) Have Eaten*.
- Have not confirmed food implicated (vehicle); however, preliminary testing suggests green onions.
- DEOC staffing and current reporting rhythm will continue through the weekend
- States and locals are not looking at any other restaurants other than Taco Bell – main focus is still on foods served at Taco Bell.
- Added a fourth case definition for possible cases.

FDA Activities:

- 1300 conference call with all 50 states
- Confirmatory testing of the samples of vegetables received from Taco Bell on the green onions was negative.
- Information released to the public should be consistent. Need to have positive PFGE pattern before making a confirmation to equate it to *E. coli* O157:H7.
- Public health interventions are on-going with restaurants with suggestions to use the Food Worker Health Hygiene Code.

USDA Activities:

- Traveled to Irvine, CA to review more than 200 distribution sheets
- Not reviewing individual spices (spicy chicken and southwest marinade) – only looking at protein products such as fully cooked meat and poultry items (steak, carnitas [pork], ground beef, and chicken)

State Activities:

- All states are continuing to provide epidemiological surveillance and testing activities. New cases continuing to be reported.
- States are also crafting public health and risk communication messages for media inquiries, media outlet distribution, and partner/agency communications.
- MS has a case with a positive *E. coli* O157 culture pending PFGE. Not included in official case count.
- Continuing case control study interviews. CDC assisting with interviews data collection and analysis.
- New Jersey provided additional records from Yum Brands for stores where illnesses are believed to have occurred.
- Still no evidence of restaurants other than Taco Bell involved in outbreak.
- NY suggested that CDC look at large private laboratories and stool sensitivity culture tests ordered.

CDC JIC Report:

- Report current as of 3pm December 9, 2006

Web Team Activities:

Postings on CDC *E. coli* website, December 8 (as of 3:00 PM):

- December 8 Update on Multistate Outbreak of *E. coli* O157 Infection, November-December 2006 (<http://www.cdc.gov/ecoli/2006/december/120806.htm>)
- Questions and Answers Updates (http://www.cdc.gov/ecoli/2006/december/ga_dec.htm)

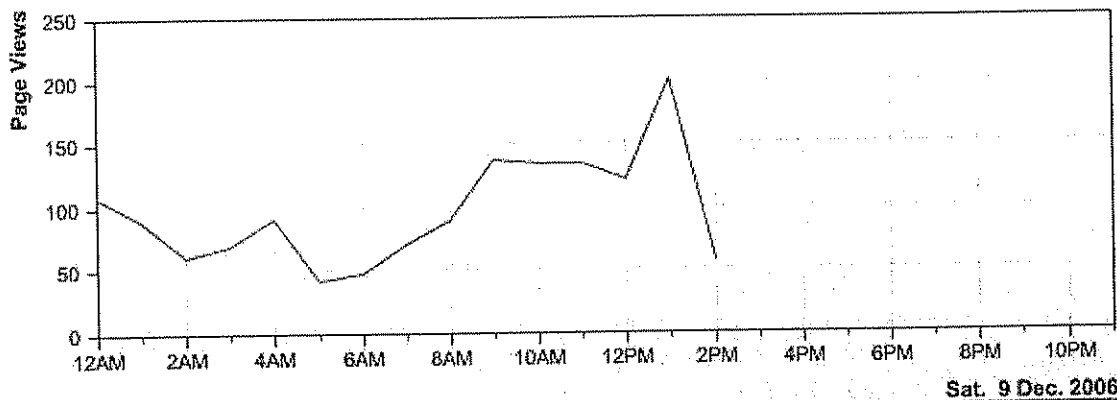


CDC IAP Number 3: *E. coli* O157 Outbreak

Total traffic on all *E. coli*-related pages on CDC website, December 8 (as of 2:45 PM):

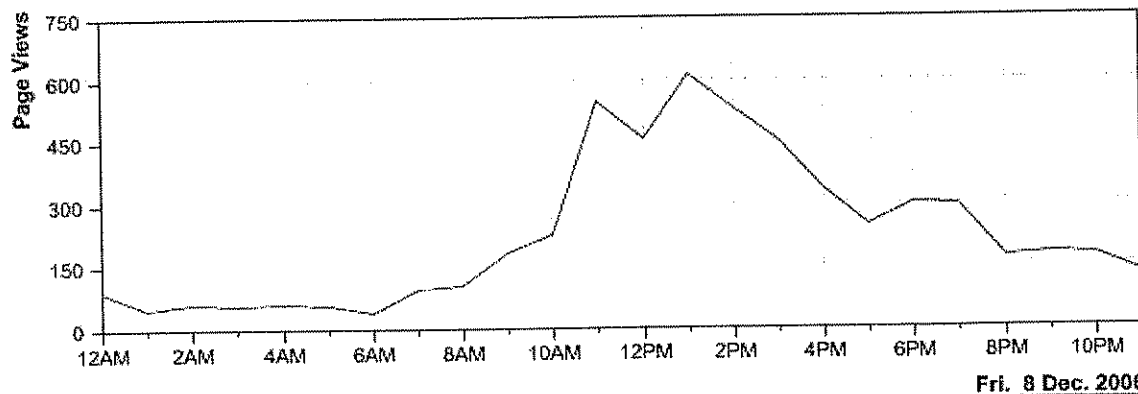
- Total: 1,494 views
- CDC *E. coli* home page (<http://www.cdc.gov/ecoli/>): Technical error. Will be provided on Sunday's report.
- Main *E. coli* fact sheet (http://www.cdc.gov/ncidod/dbmd/diseaseinfo/escherichiacoli_g.htm): 464 views
- Current situation update (<http://www.cdc.gov/ecoli/2006/december/120706.htm>): 17 views
- Final total for yesterday: 5,440 views

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



Graph Generated by SiteCatalyst using Report Accelerator at 02:31 PM EST, 9 Dec 2006

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

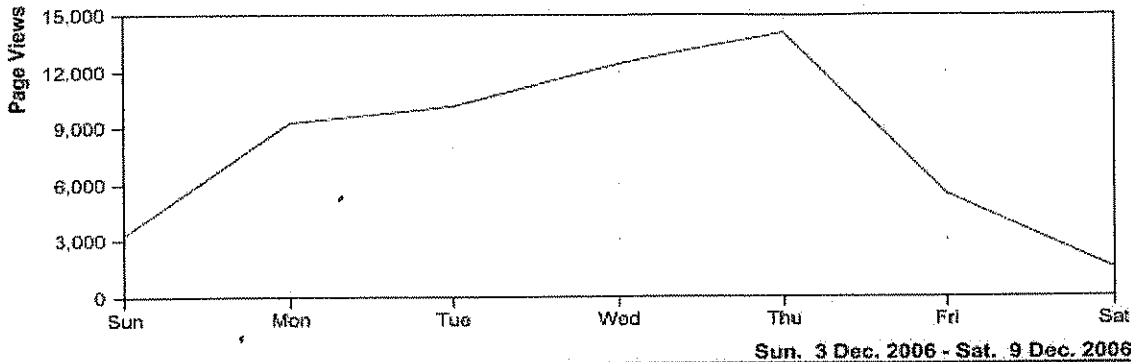


Graph Generated by SiteCatalyst using Report Accelerator at 02:51 PM EST, 9 Dec 2006

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



CDC IAP Number 3: *E. coli* O157 Outbreak



Graph Generated by SiteCatalyst using Report Accelerator at 02:35 PM EST, 9 Dec 2006

Details

Date	Page Views	Selected Period
1. Dec 3, 2006	3,278	<input checked="" type="checkbox"/>
2. Dec 4, 2006	9,315	<input checked="" type="checkbox"/>
3. Dec 5, 2006	10,109	<input checked="" type="checkbox"/>
4. Dec 6, 2006	12,404	<input checked="" type="checkbox"/>
5. Dec 7, 2006	14,054	<input checked="" type="checkbox"/>
6. Dec 8, 2006	5,440	<input checked="" type="checkbox"/>
7. Dec 9, 2006 (as of 2:30)	1,494	<input checked="" type="checkbox"/>
Total	56,094	

Information Management Activities:

- Coordinated clearance of low-lit *E. coli* fact sheet (cleared) and sent to web team to post.
- Sent cleared Q&As to CDC Info.
- Sent link Web Team of testimony (CDC Food Safety Activities and the Recent *E. coli* Spinach Outbreak <http://www.hhs.gov/asl/testify/t061115.html>) be added to *E. coli* web site.
- Reviewed website.

Community Health Education Team Activities:

- Coordinated with IMT to clear and post general Q&A's in **plain language** format
- Disseminated situational update to FBO and CBO partners
- Sent forward the following documents to multi-lingual services for translation:
Update on current outbreak <http://www.cdc.gov/ecoli/2006/december/120806.htm>
Q and A's in **plain language** format http://www.cdc.gov/ecoli/qa_ecoli_sickness.htm
- 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 current situation Q&A's http://www.cdc.gov/ecoli/2006/december/qa_dec.htm

Pending:



CDC IAP Number 3: *E. coli* O157 Outbreak

- Receive feedback from CCC on the format/reading level/appropriateness of the current situation Q&A's
- Request translation of situational update that is to be released by 6:00PM tonight

Research Team (Media):

- Number of Media Stories = 308 (down from 898 on 12.7; source: Google News Search)

The following 3 major themes were observed in media headlines appearing on 12.08.06.
News reports may not reflect findings of the investigation.

- The outbreak is likely to have a negative economic impact on Taco Bell
Sample Headline: "Taco Bell faces potential fallout from E. coli outbreak"
- The source of the outbreak is uncertain, but green onions from California are suspected
Sample Headline: "Oxnard farm may be linked to E. coli cases"
- New cases of illness continue to be reported
Sample Headline: "E. coli illnesses found in 6 states"

Public Health Workforce:

- Monitor CDC E-coli website for updates
- Review national news media and FDA websites for updates.

ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)
Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 3: *E. coli* O157 Outbreak

1. Incident Name <i>E. coli</i> O157 Outbreak	2. Operational Period (Date/Time) From: 12/09 18:00 Hours EDT To: 12/10 18:00 Hours EDT		3. Documents Attached	
			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	Captain Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov		404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Chief 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		404-553-7735
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

7. Current Situation/Threats:

Nine states are now reporting cases to date. Less than half of these cases under investigation have been culture-confirmed infections with *E. coli* O157 to date. 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, 394 Case Counts as of 12:00pm December 9

394 Confirmed/Probable/Suspect/Possible cases total, 9 states*

State	Confirmed Cases Reported	Probable Cases Reported	Suspect Cases Reported	Possible Cases Reported
CA				1
CT			4	
DE	2		2	
MS				1
NJ	9	19	36	
NY	6	15	228	
PA	1	8	59	
SC	1			
UT				1
Total:	19	42	330	3

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

Hospitalized: 49

Hemolytic Uremic Syndrome (HUS): 7

Deaths: 0



CDC IAP Number 3: *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 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 through the weekend.

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. Continue case control study interviews in conjunction with the states.
6. 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 Considerations (if any)

- N/A

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

- N/A

14. Other Attachments (if any)

- Map

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 3: *E. coli* O157 Outbreak

INCIDENT BRIEFING	1. Incident Name <i>E. coli</i> O157 Outbreak	2. Date 12/09/06	3. Time 18:00 EDT
--------------------------	---	----------------------------	-----------------------------

4. Map and Epidemiological Data

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 9, 2006, 12:00pm EST

State	Confirmed	Probable	Suspect	Possible
CA	0	0	0	1
CT	0	0	4	0
DE	2	0	2	0
MS	0	0	0	1
NJ	9	19	36	0
NY	6	15	228	0
PA	1	8	59	0
SC	1	0	0	0
UT	0	0	1	1
Grand Total	19	42	330	3

- **9** states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- **19** confirmed, **42** probable, **330** suspect, and **3** possible cases reported to CDC
 - **61 confirmed and probable cases reported publicly**
 - 1 new confirmed and/or probable cases reported since December 8, 2006



CDC IAP Number 3: *E. coli* O157 Outbreak

Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 9, 2006, 12:00pm EST

Demographics	
Age in years, median (range), (N=57)	17 (4-61)
Age Categories, n (%), (N=57)	
< 5 years	1 (2)
5 - 17 years	32 (56)
18 - 59 years	22 (40)
> 59 years	2 (2)
Gender, n (%), (N=59)	
Female	30 (51)
Male	29 (49)

Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 9, 2006, 12:00pm EST

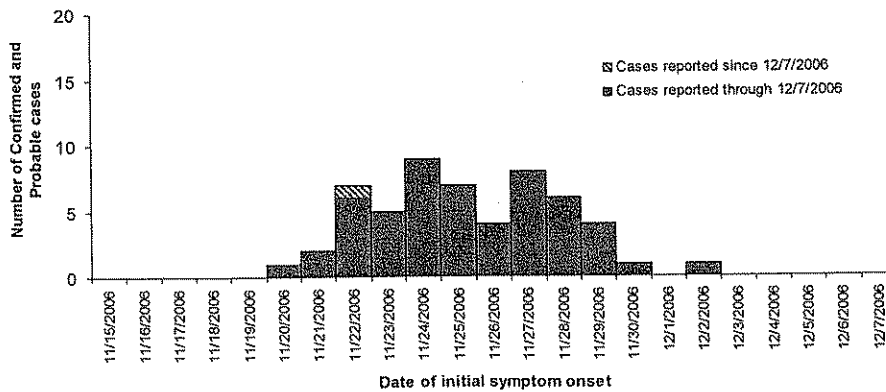
Outcome, N=61	n (%)
Hospitalized	49 (80)
HUS	7 (11)
Death	0 (0)

HUS Cases, N=7	
Median age (years)	11
Range (years)	<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 9, 2006, 12:00pm EST (N=55*)

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



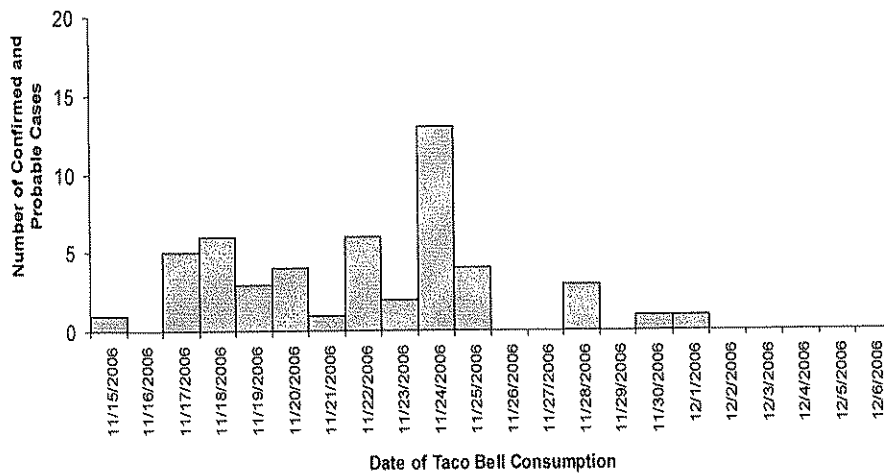
- Illness onset range: 11/20/2006 – 12/2/2006



CDC IAP Number 3: *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 9, 2006, 12:00pm EST (N=50*)

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



- Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

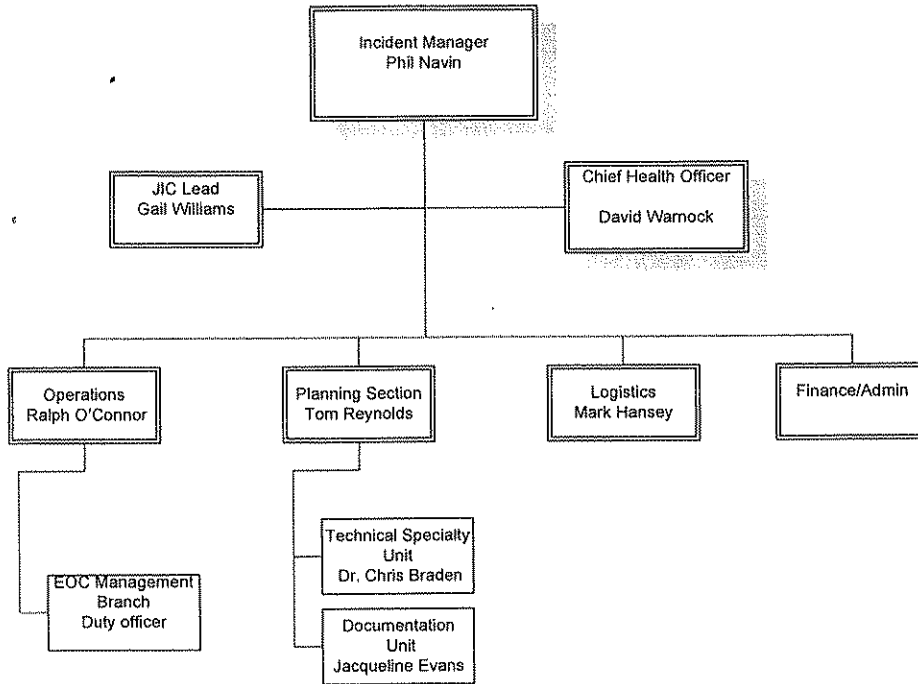
ICS 201 – CDC

5. PREPARED BY (NAME AND POSITION)
IMS Tech Specialty Unit/GIS Sections

6. Current Organization



CDC IAP Number 3: *E. coli* O157 Outbreak



ICS 201 – CDC

6a. PREPARED BY (NAME AND POSITION)
Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 3: *E. coli* O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - 55 cases, 54 controls interviewed
 - NY working on controls, awaiting info from locals
 - FDA would like to participate in the case controls studies with CDC.
 - Goal to complete case control study this weekend and start analysis.
 - The continuing investigation into the *E. coli* outbreak will require the assistance of epidemiologists for the purpose of locating and conducting phone interviews with controls.
- CDC will post two (2) maps daily; one with *States Where Persons With Illness Live* and one with *States with Taco Bell Restaurants Where Persons With Confirmed Cases (Infected With The Outbreak Strain) Have Eaten*.
- Have not confirmed food implicated (vehicle); however, preliminary testing suggests green onions.
- DEOC staffing and current reporting rhythm will continue through the weekend
- States and locals are not looking at any other restaurants other than Taco Bell – main focus is still on foods served at Taco Bell.
- Added a fourth case definition for possible cases.

FDA Activities:

- 1300 conference call with all 50 states
- Confirmatory testing of the samples of vegetables received from Taco Bell on the green onions was negative.
- Information released to the public should be consistent. Need to have positive PFGE pattern before making a confirmation to equate it to *E. coli* O157:H7.
- Public health interventions are on-going with restaurants with suggestions to use the Food Worker Health Hygiene Code.

USDA Activities:

- Traveled to Irvine, CA to review more than 200 distribution sheets
- Not reviewing individual spices (spicy chicken and southwest marinade) – only looking at protein products such as fully cooked meat and poultry items (steak, carnitas [pork], ground beef, and chicken)

State Activities:

- All states are continuing to provide epidemiological surveillance and testing activities. New cases continuing to be reported.
- States are also crafting public health and risk communication messages for media inquiries, media outlet distribution, and partner/agency communications.
- MS has a case with a positive *E. coli* O157 culture pending PFGE. Not included in official case count.
- Continuing case control study interviews. CDC assisting with interviews data collection and analysis.
- New Jersey provided additional records from Yum Brands for stores where illnesses are believed to have occurred.
- Still no evidence of restaurants other than Taco Bell involved in outbreak.
- NY suggested that CDC look at large private laboratories and stool sensitivity culture tests ordered.

CDC JIC Report:

- Report current as of 3pm December 9, 2006

Web Team Activities:

Postings on CDC *E. coli* website, December 8 (as of 3:00 PM):

- December 8 Update on Multistate Outbreak of *E. coli* O157 Infection, November-December 2006 (<http://www.cdc.gov/ecoli/2006/december/120806.htm>)
- **Questions and Answers Updates** (http://www.cdc.gov/ecoli/2006/december/ga_dec.htm)

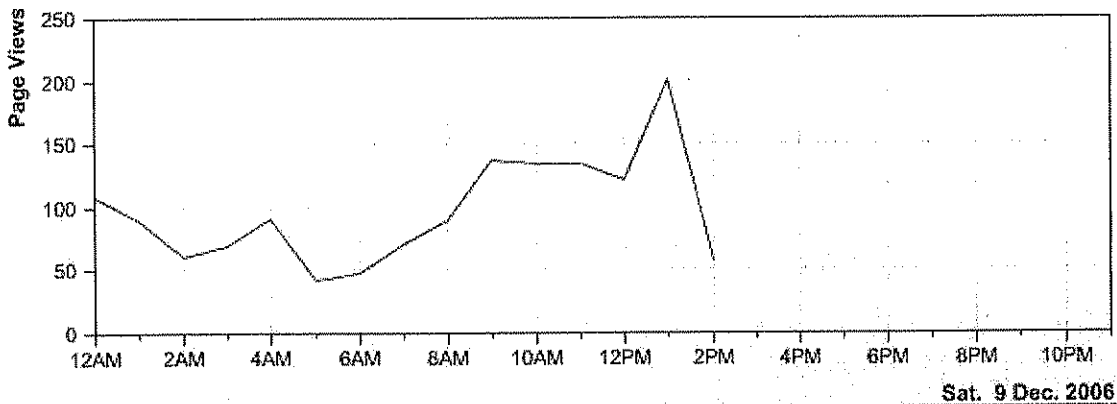


CDC IAP Number 3: *E. coli* O157 Outbreak

Total traffic on all *E. coli*-related pages on CDC website, December 8 (as of 2:45 PM):

- Total: 1,494 views
- CDC *E. coli* home page (<http://www.cdc.gov/ecoli/>): Technical error. Will be provided on Sunday's report.
- Main *E. coli* fact sheet (http://www.cdc.gov/ncidod/dbmd/diseaseinfo/escherichiacoli_g.htm): 464 views
- Current situation update (<http://www.cdc.gov/ecoli/2006/december/120706.htm>): 17 views
- Final total for yesterday: 5,440 views

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

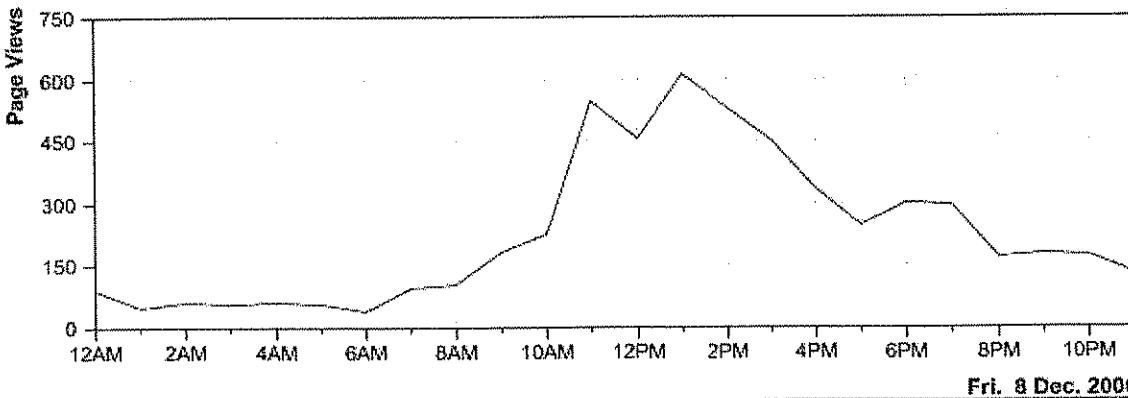


Sat. 9 Dec. 2006

Selected Period

Graph Generated by SiteCatalyst using Report Accelerator at 02:31 PM EST, 9 Dec 2006

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



Fri. 8 Dec. 2006

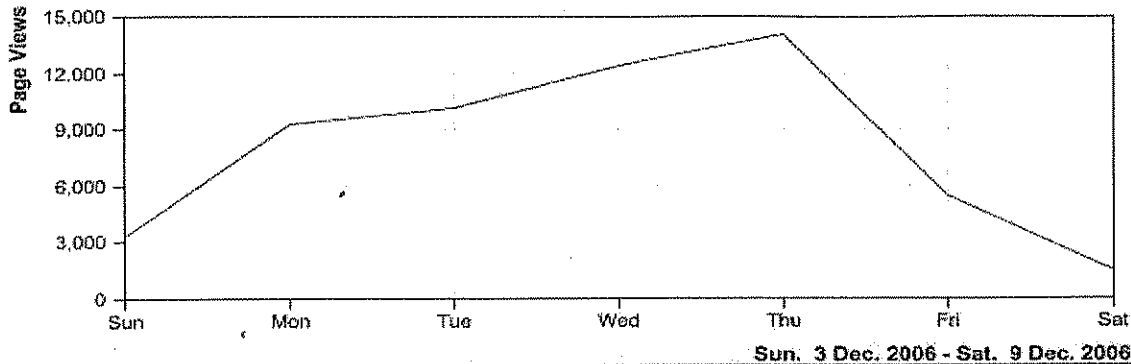
Selected Period

Graph Generated by SiteCatalyst using Report Accelerator at 02:51 PM EST, 9 Dec 2006

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



CDC IAP Number 3: *E. coli* O157 Outbreak



Graph Generated by SiteCatalyst using Report Accelerator at 02:35 PM EST, 9 Dec 2006

Details

Date	Page Views	Selected Period
1. Dec 3, 2006	3,278	
2. Dec 4, 2006	9,315	
3. Dec 5, 2006	10,109	
4. Dec 6, 2006	12,404	
5. Dec 7, 2006	14,054	
6. Dec 8, 2006	5,440	
7. Dec 9, 2006 (as of 2:30)	1,494	
Total	56,094	

Information Management Activities:

- Coordinated clearance of low-lit *E. coli* fact sheet (cleared) and sent to web team to post.
- Sent cleared Q&As to CDC Info.
- Sent link Web Team of testimony (CDC Food Safety Activities and the Recent *E. coli* Spinach Outbreak <http://www.hhs.gov/asl/testify/t061115.html>) be added to *E. coli* web site.
- Reviewed website.

Community Health Education Team Activities:

- Coordinated with IMT to clear and post general Q&A's in **plain language** format
- Disseminated situational update to FBO and CBO partners
- Sent forward the following documents to multi-lingual services for translation:
Update on current outbreak <http://www.cdc.gov/ecoli/2006/december/120806.htm>
Q and A's in **plain language** format http://www.cdc.gov/ecoli/qa_ecoli_sickness.htm
- 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 current situation Q&A's http://www.cdc.gov/ecoli/2006/december/qa_dec.htm

Pending:



CDC IAP Number 3: *E. coli* O157 Outbreak

- Receive feedback from CCC on the format/reading level/appropriateness of the current situation Q&A's
- Request translation of situational update that is to be released by 6:00PM tonight

Research Team (Media):

- Number of Media Stories = 308 (down from 898 on 12.7; source: Google News Search)

The following 3 major themes were observed in media headlines appearing on 12.08.06.
News reports may not reflect findings of the investigation.

- The outbreak is likely to have a negative economic impact on Taco Bell
Sample Headline: "Taco Bell faces potential fallout from E. coli outbreak"
- The source of the outbreak is uncertain, but green onions from California are suspected
Sample Headline: "Oxnard farm may be linked to E. coli cases"
- New cases of illness continue to be reported
Sample Headline: "E. coli illnesses found in 6 states"

Public Health Workforce:

- Monitor CDC E-coli website for updates
- Review national news media and FDA websites for updates.

ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)
Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 3: *E. coli* O157 Outbreak

INCIDENT STATUS SUMMARY CDC- ICS 209						
1. Date 12/09/2006		2. Initial <input type="checkbox"/> Update <input checked="" type="checkbox"/> Final <input type="checkbox"/>		3. Incident Name <i>E. coli</i> O157 Outbreak		4. Incident Number
5. Incident Manager Phil Navin		6. Chief Health Officer Dr. David Warnock	7. Type of Incident Biological		8. Cause Restaurant	9. Activation Date/Time 12/07/06 08:30
10. Total CDC Personnel Deployed 0		11. Total CDC OFRD Personnel Deployed 0		12. Expected Completion Date/Time		
13. Number of MAs Received: Period: Total: 0		14. Number of MAs Completed: Period: Total: 0		15. Number of ARFs Received: Period: Total: 0		16. Number of ARFs Completed: Period: Total: 0
17. Deaths 0	18. Cases Confirmed: 19 Probable: 42 Suspect: 330 Possible: 3	19. Current Number of Evacuees N/A		20. Current Number of Shelters Open N/A		
21. Current Weather- N/A WS Temp WD RH		22. Predicted Weather- N/A WS Temp WD RH		23. Cost to Date Unknown		24. Estimated Total Cost Unknown
25. CDC Assets Deployed						
Resources	Location	Mission	Number of Personnel Assigned	Team Lead	% Mission Complete	TOTAL TEAMS
Teams						
						None
Equipment						
						None
Total Personnel Deployed					TEAMS:	None
26. Significant Events None						
27. Significant Issues None						
28. Prepared by: Jacqueline Evans, IMS Incident Action Plan		29. Approved by Thomas Reynolds, CDC IMS Planning Section Chief		30. Date 12/09/06 Time 18:00 EDT		
ICS 209 – CDC						

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

Updated numbers for

Saturday, December 9, 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 9, 2006, 12:00pm EST

State	Confirmed	Probable	Suspect	Possible
CA	0	0	0	1
CT	0	0	4	0
DE	2	0	2	0
MS	0	0	0	1
NJ	9	19	36	0
NY	6	15	228	0
PA	1	8	59	0
SC	1	0	0	0
UT	0	0	1	1
Grand Total	19	42	330	3

- **9** states reported cases
 - 5 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC)
- **19** confirmed, **42** probable, **330** suspect, and **3** possible cases reported to CDC
 - **61** confirmed and probable cases reported publicly
 - 1 new confirmed and/or probable cases reported since December 8, 2006

Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 9, 2006, 12:00pm EST

Demographics	
Age in years, median (range), (N=57)	17 (4-61)
Age Categories, n (%), (N=57)	
< 5 years	1 (2)
5 - 17 years	32 (56)
18 - 59 years	22 (40)
> 59 years	2 (2)
Gender, n (%), (N=59)	
Female	30 (51)
Male	29 (49)

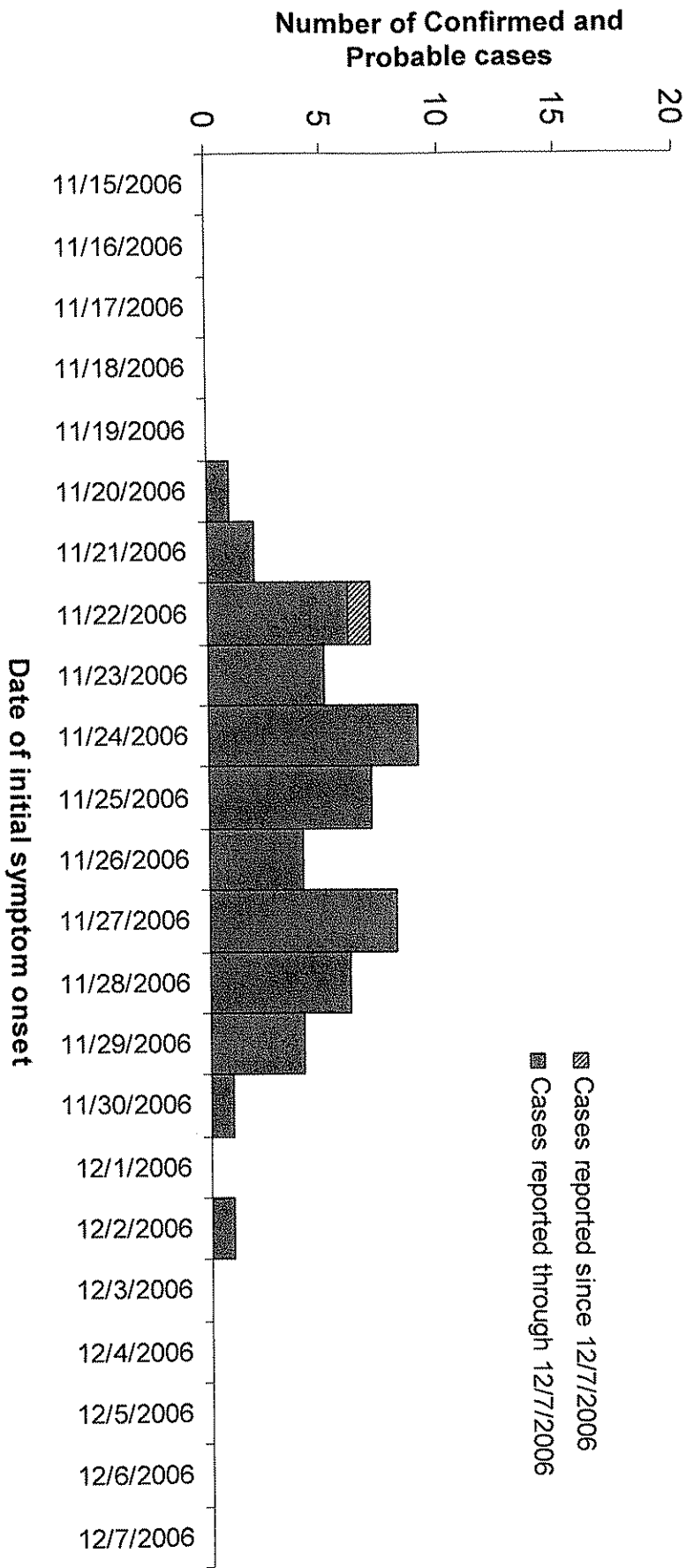
Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 9, 2006, 12:00pm EST

Outcome, N=61	n (%)	HUS Cases, N=7
Hospitalized	49 (80)	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

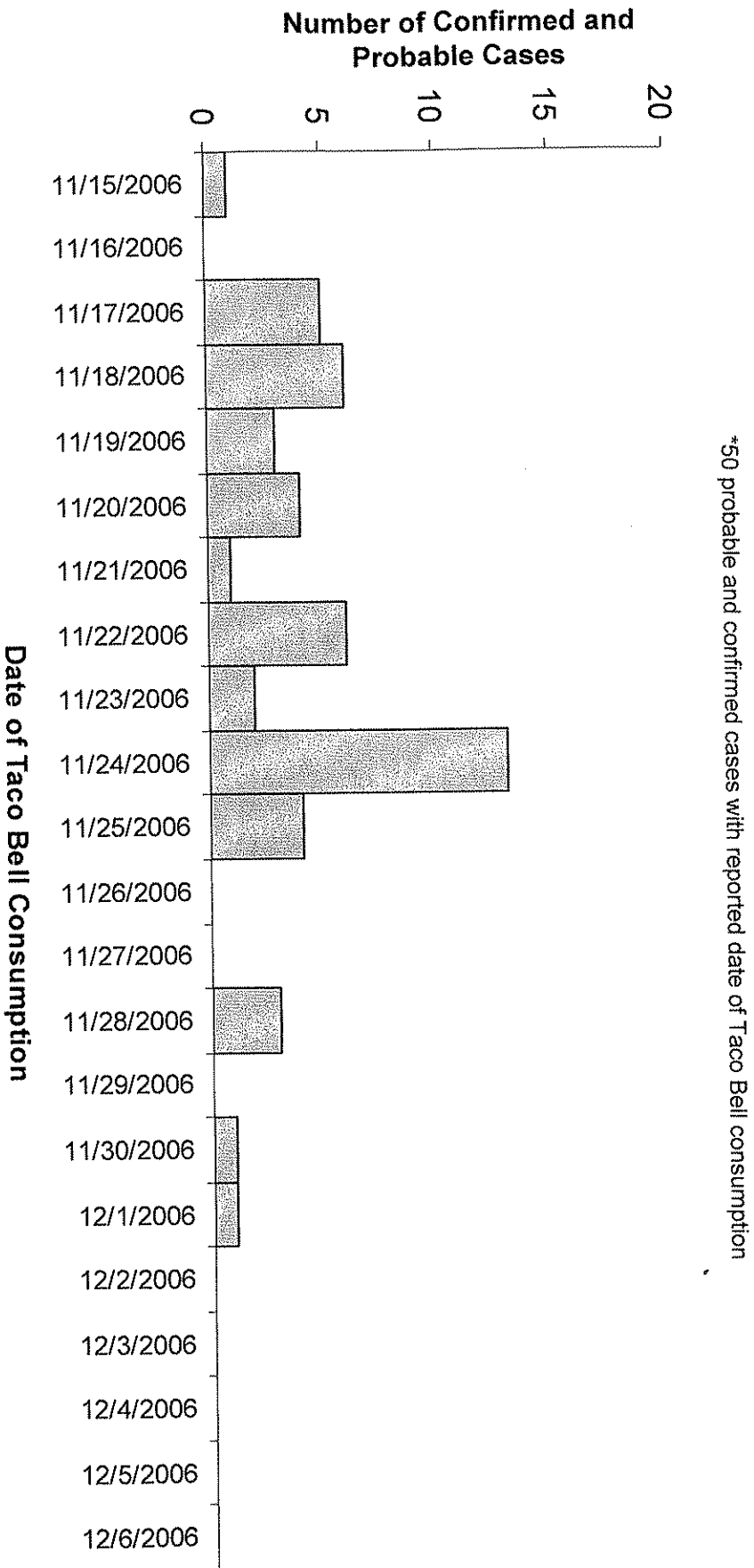
Figure 1. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 9, 2006, 12:00pm EST (N=55*)

*55 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 9, 2006, 12:00pm EST (N=50*)



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

- Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

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

Updated numbers for
Saturday, December 9, 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 9, 2006, 12:00pm EST

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MS	0	0	0	1
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PA	1	8	59	0
SC	1	0	0	0
UT	0	0	1	1
Grand Total	19	42	330	3

- **9** states reported cases
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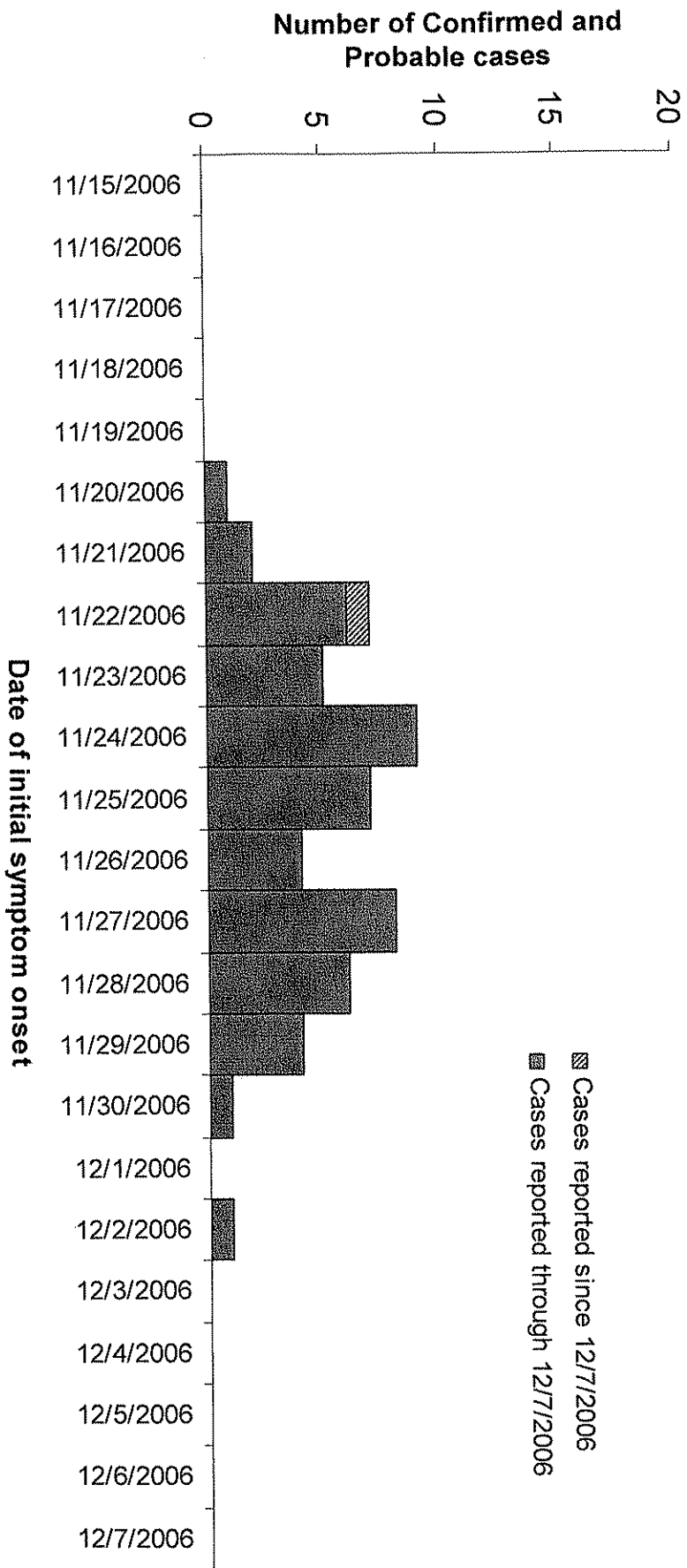
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Death	0 (0)	

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

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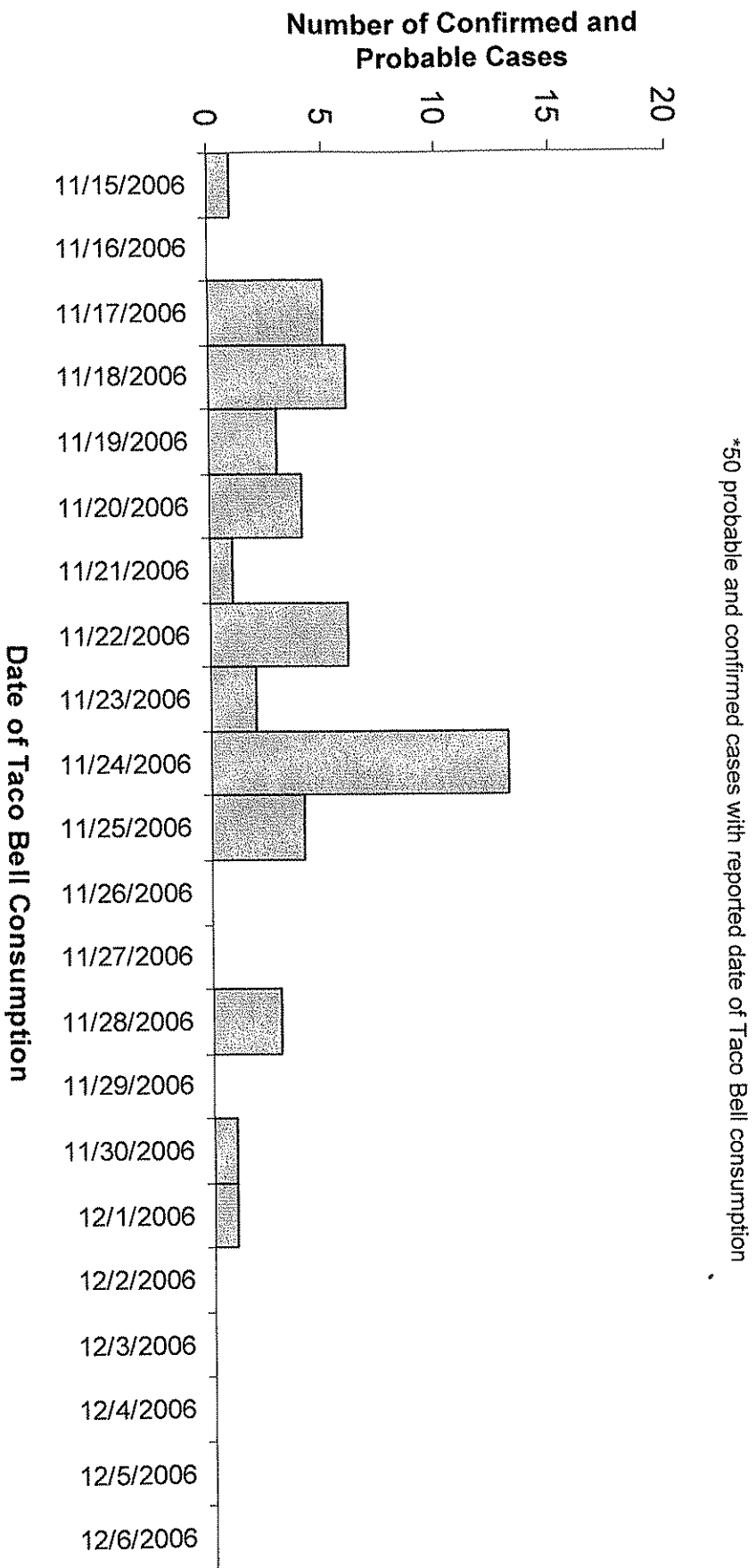
(N=55*)

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Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 9, 2006, 12:00pm EST (N=50*)



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

- Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

E. coli, EOC (CDC)

From: IMS JIC Lead (CDC)
Sent: Saturday, December 09, 2006 3:57 PM
To: IMS JIC Lead (CDC); IMS Incident Action Plan (CDC)
Cc: Dalgle, David (CDC/CCID/NCZVED); Roebuck, Von (CDC/OD/OEC); Williams, Gail (CDC/CCHIS/NCNM); Clark, David W. (CDC/CCHIS/NCNM); E. coli, EOC (CDC); IMS JIC Clinician (CDC); IMS JIC Community Outreach/Education (CDC); IMS JIC Enterprise (CDC); IMS JIC Global (CDC); IMS JIC Information Management Team (CDC); IMS JIC Lead (CDC); IMS JIC Media (CDC); IMS JIC Outreach (CDC); IMS JIC Policymaker (CDC); IMS JIC Public Health Workforce (CDC); IMS JIC Research (CDC); IMS JIC Task Triage (CDC); IMS JIC Web (CDC); IMS Partners (CDC)
Subject: ECS JIC IAP E. coli Report for Saturday, December 9

Attachments: Picture (Metafile); Picture (Metafile); Picture (Metafile); Picture (Metafile)

**Updates of activities submitted from the JIC:
Report current as of 3pm December 9, 2006**

Web Team Activities:

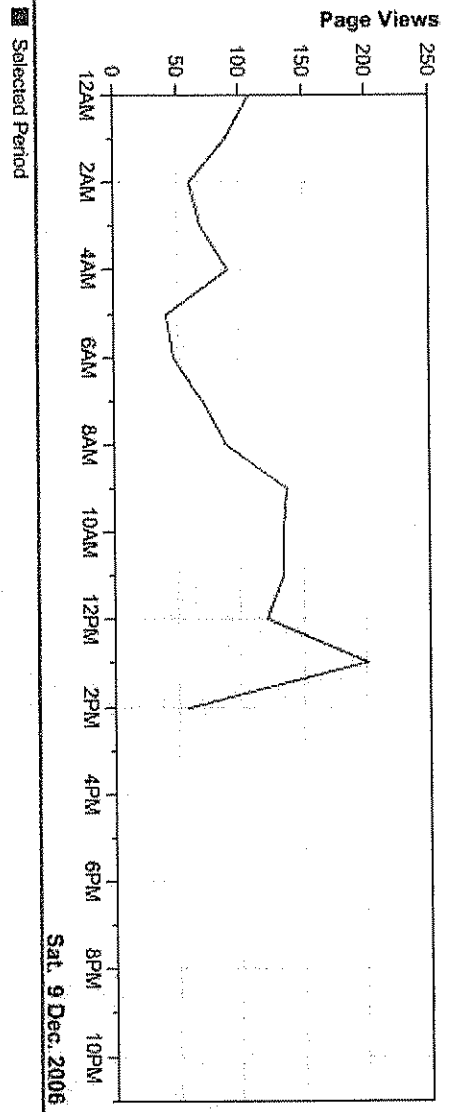
Postings on CDC E. coli website, December 8 (as of 3:00 PM):

- December 8 Update on Multistate Outbreak of *E. coli* O157 Infection, November-December 2006 (<http://www.cdc.gov/ecoli/2006/december/120806.htm>)
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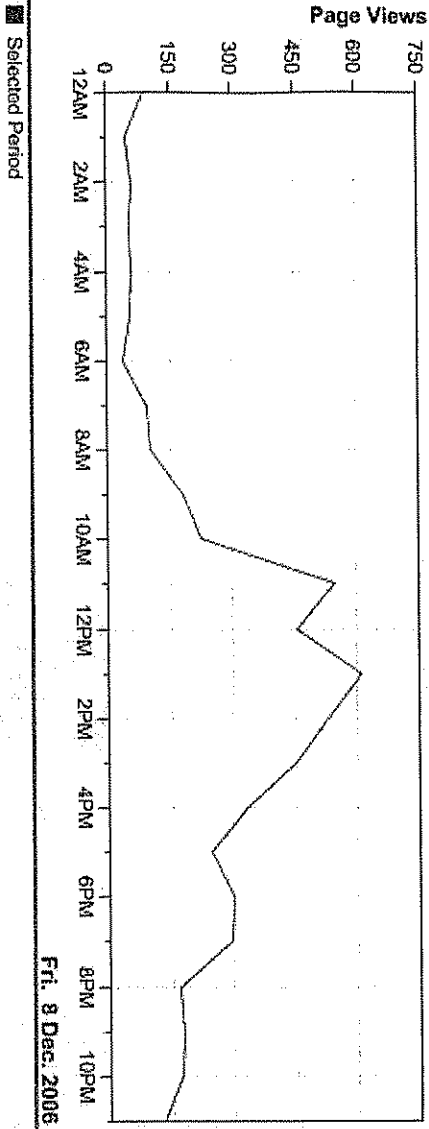
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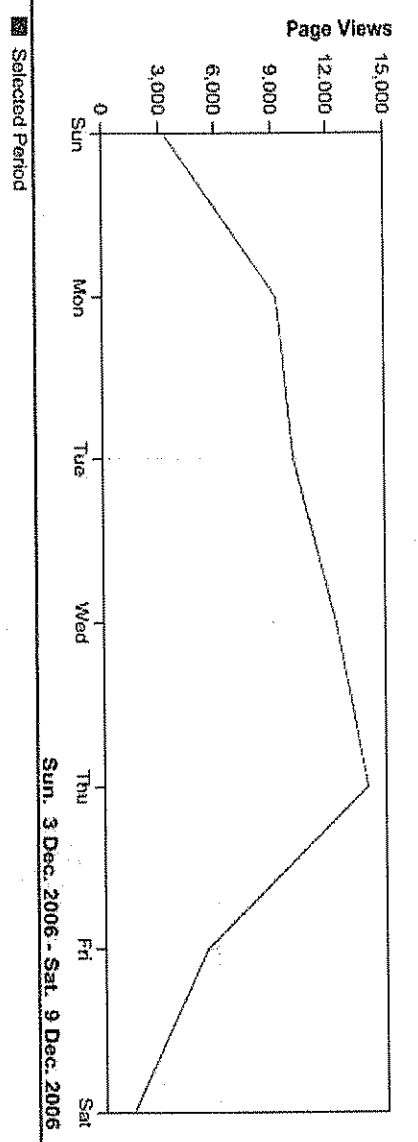
Graph Generated by SiteCatalyst using Report Accelerator at 02:31 PM EST, 9 Dec 2006

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Graph Generated by SiteCatalyst using Report Accelerator at 02:31 PM EST, 9 Dec 2006

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Q and A's in **plain language** format http://www.cdc.gov/ecoli/qa_ecoli_sickness.htm
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http://www.cdc.gov/ecoli/2006/december/qa_dec.htm

Pending:

- Receive feedback from CCC on the format/reading level/appropriateness of the current situation Q&A's
- Request translation of situational update that is to be released by 6:00PM tonight

Research Team (Media):

- Number of Media Stories = 308 (down from 898 on 12.7; source: Google News Search)

The following 3 major themes were observed in media headlines appearing on 12.08.06.
News reports may not reflect findings of the investigation.

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Sample Headline: "Oxnard farm may be linked to E. coli cases"
- New cases of illness continue to be reported
Sample Headline: "E. coli illnesses found in 6 states"

Public Health Workforce:

- Monitor CDC E-coli website for updates
- Review national news media and FDA websites for updates.

**PHPS Class of 2006
C/O Assignment Proposals
1st C/O Rotation**

Assignment #	C/O Location	Supervisors	Prevention Specialists
COGH #1	Coordinating Office for Global Health (COGH), Workforce and Career Development, Office of the Director	Janice P. Hiland Workforce and Career Development Officer E-mail: john2@cdc.gov Phone: 404-639-4486 Nick Farrell, Sr. Advisor NFarrell@cdc.gov 404.639.7866 Roybal Campus Building 21, Room 9105 MS-D-69	Brandy Petersen, MPH
COTPER #1	Coordinating Center for Terrorism Preparedness and Emergency Response, COTPER/Division of State and Local Readiness (DSLRL), Outcome Monitoring and Evaluation Branch (OMEB), Evaluation Team	Sue Lin Yee, MA, MPH Acting Team Lead, Bldg: 21/6230, Mailstop D-29 1600 Clifton Road, 404-639-3236 404-639-7424 E-mail: sby9@cdc.gov	Rebecca Latka, MPH
COTPER #2	Division of Emergency Operations, Operations Branch	Ralph O'Connor, Ph.D., Chief, Roybal Campus, Building 21 Room 3304, Mail Stop: D75 Ph: 404-553-7772 E-mail: ROConnor@cdc.gov Allen W. Hogan, EMTI Emergency Response Spec Room 4129 Ph: 404-639-2596 E-mail: avh0@cdc.gov	Hilary Strayer, MPH

**PHPS Class of 2006
CIO Assignment Proposals
1st CIO Rotation**

<p>NCBDDD #3</p>	<p>Division of Birth Defects and Developmental Disabilities Prevention Branch, Prevention Research Team</p>	<p>Joe Mulinare, MD, Prevention Research Team Leader Executive Park, Building 12, Room 4027, Mail Stop E-86 Ph: (404) 498-3841 Fax: (404) 498-3550 E-mail: jmulinare@cdc.gov Heather Carter, MS, MPH, Nutrition Epidemiologist Executive Park, Building 12, Room 4023, Mail Stop E-86 Ph: (404) 498-3868 Fax: (404) 498-3550 E-mail: hcarter@cdc.gov</p>	<p>Lisa Ciazza, MSW</p>
<p>NCCDPPH #1</p>	<p>National Center for Chronic Disease Prevention and Health Promotion (NCCDPPH), Division for Heart Disease and Stroke Prevention Evaluation and Applied Research, and Program Development and Services Branches</p>	<p>Rosanne Farris, PhD, Team Leader Rhodes Building, Room 3022, Mailstop K-47 Ph: (770) 488-5007; Fax: (770) 488-8151; E-mail: rfarris@cdc.gov Jan Jernigan, PhD, Public Health Analyst Rhodes Building, Room 3015, Mailstop K-47 Ph: (770) 488-5224; Fax: (770) 488-8151; E-mail: jjernigan1@cdc.gov</p>	<p>Mia Ramirez, MPH</p>

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<p>NCCDPPH #2</p>	<p>Division of Adult & Community Health (DACH)/Emerging Investigations & Analytic Methods Branch (EIAMB)/Alcohol Team</p>	<p>Bob Brewer, MD, MSPH Alcohol Team Leader Koger Center-Rhodes Bldg Room 4029, Mailstop K-67, Atlanta, GA 30341 Phone: 770-488-5920 Fax: 770-488-5965 Email: bbrewer1@cdc.gov Laurie Elam-Evans, PhD Acting Branch Chief, Koger Center-Rhodes Bldg Room 4030, Mailstop K-67 Atlanta, GA 30341 Phone: 770-488-5383 Fax: 770-488-5965 Email: lelam-evans@cdc.gov.</p>	<p>Ngozi Ogbuawa, MPH, MSc</p>
<p>NCCDPPH #5</p>	<p>Division of Diabetes Translation/Program Development Branch/The Applied Behavioral Research, Epidemiology, Systems, and Evaluation Team</p>	<p>Qaiser Mukhtar, PhD, Acting ABRESE team leader, Room 1030, Davidson, Koger Center, Mail Stop K-10, ph: 770-488-5505, gamm2@cdc.gov Patricia Mitchell, MPH, Deputy Branch Chief, Room 1025, Davidson, Koger Center, Mail Stop K-10, ph: 770-488-5634, Fax: 770-488-5195, Email: plm3@cdc.gov</p>	<p>Nadia Nijim, MPH, MSW</p>

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<p>NCCDPPH #10</p>	<p>Division of Nutrition & Physical Activity / Physical Activity & Health Branch (PAHB) / Research & Development Team</p>	<p>Candace D. Rutt, Ph.D., Senior Service (CDC) Fellow Room 5158, Rhodes Building, Koger Center; Mail Stop K-46; Phone, 770-488-6015 Fax, 770-488-5473 E-mail CRutt@cdc.gov</p> <p>Linda K. West, M.S.P.H., Research Project Coordinator; Room 5165, Rhodes Building, Koger Center; Mail Stop K-46; Phone, 770-488-5923 Fax, 770-488-6027 E-mail: LWest@cdc.gov</p>	<p>Bianca Perri, MPH</p>
<p>NCEH #1</p>	<p>Coordinating Center for Environmental Health and Injury Prevention (Assignment is at the Coordinating Center level)</p>	<p>Julie Madden, M.A., Radiation Preparedness Scenario Goal Team Leader Room 4117 Bldg. 1825, Century Center, MS E-28, Phone: (404) 498-0214 jmadden@cdc.gov</p> <p>Karen E. Long, M.P.A., Strategy and Innovation Officer Room 4109, Bldg 1825, Century Center MS E-28 Phone: (404) 498-0239 kfl7@cdc.gov</p>	<p>Nicholas Di Meo, MPH</p>

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<p>NCEH #2</p>	<p>National Center for Environmental Health/ Division of Emergency and Environmental Health Services / Environmental Health Services Branch</p>	<p>Richard J. Gelling, PhD, PE Environmental Engineer Chamblee Campus, Bldg 101, Room 1133, MS F-28, Phone: (770) 488-7067 rgelling@cdc.gov</p> <p>Carol Selman, MPH Sr Environment Hlth Scientist Chamblee Campus, Building 101, Room 1138 MS F-28, Phone: (770) 488-4352 CSelman@cdc.gov</p>	<p>Leslie Gross, MPH</p>
<p>NCEH #3</p>	<p>Division of Emergency and Environmental Health Services / Lead Poisoning Prevention Branch</p>	<p>Pamela Holland, LTC, FNP/BC Public Health Advisor Chamblee, Blg 101, Room 2324 (Mailstop F-40) Phone (770) 488-3625 Fax: (770)488-3645</p> <p>Rob Henry, MPH Team Leader, Program Services Chamblee, Blg, 101, Room 2330 (Mailstop F-40) Phone (770) 488-3624 Fax: (770) 488-3635</p>	<p>Re'Dhonda Malone, MPH</p>

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<p>NCHSTP #1</p>	<p>National Center for HIV, Viral Hepatitis, STD, and TB Prevention, Division of HIV Prevention/Prevention Research Branch</p>	<p>Donna Hubbard McCree, PhD, MPH, RPh; Corporate Square, Building 8, Room 5096/MS-E-37 ph 404/639-1834 fax 404/639-1950 e-mail: zyrl1@cdc.gov</p> <p>Dale Stratford, PhD Corporate Square, Building 8, Room 5128/MS-E-37 ph 404/639-6276 fax 404/639-1950/ e-mail: bbs8@cdc.gov</p>	<p>Shannon Cosgrove, MHA</p>
<p>NCHSTP #3</p>	<p>Division of STD, Behavioral Interventions and Research Branch.</p>	<p>Nicole Liddon, PhD, Behavioral Scientist, Corporate Square Building 1, Room 2410, Mail-stop E-44, 1600 Clifton Road, Atlanta, GA 30333, (404) 639-6339 (404) 639-8622 (fax), nliddon@cdc.gov</p> <p>Frederick R. Bloom, RN, Ph.D., Research Anthropologist, Corporate Square Bldg 1, Mail Stop E-44, Rm: 2312, 404-639-8278 FBloom@cdc.gov</p>	<p>Jared Parrish, MS</p>

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NCHSTP # 4	Division of Tuberculosis Elimination / Field Services and Evaluation Branch and Surveillance, Epidemiology, Outbreak Investigation Branch	<p>Maureen Wilce Bldg 11, Corp Sq, MS E-10 tel: 404-639-8125</p> <p>Valerie Robison DDS MPH PhD, Corporate Square Campus Bldg 11, MS E-10 tel: 404 639-5309</p>	Heather Morrow-Almeida, MPH
NCID #3*	WHO Global Salm-Surv	<p>Stephanie DeLong, MPH, Roybal Campus, Building 1 4th Floor, Room 4406 MSD63 ph 404-639-3333 snd7@cdc.gov</p> <p>Dr. Tom Chiller, Medical Epidemiologist / Team Lead Roybal Campus, Building 1 4th Floor, Room 4406 MSD63 ph 404-639-3331 tnc3@cdc.gov</p>	Kinnery Naik, MPH
NCID #4*	Division of Healthcare Quality Promotion (DHQP), Office of the Director (OD)	<p>Deborah Levy, PhD MPH Sr Epi Lead for Healthcare Preparedness Roybal Campus, Building 16 Room 3109, Mail Stop A-07 Phone 404-639-4086 E-mail: DLewy@CDC.GOV</p> <p>Sherline Lee, MPH, PhD candidate; Roybal Campus Building 16, Mail Stop A-07 E-mail: SLee@cdc.gov</p>	Angela Johnson-Deokar, MPH

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<p>NCID #5*</p>	<p>Division of Parasitic Diseases, Parasitic Diseases Branch, Disease Elimination and Control Team</p>	<p>Els Mathieu, M.D. MPH Medical Epidemiologist Chamblee Bldg. 101, Room G 110, Mailstop F-22 Phone 770-488-3603 FAX 770-488-4465 E-mail: emm7@cdc.gov</p> <p>Patrick Lammie, PhD. Activity Chief Chamblee Bldg. 109, Room 1002c, Mailstop F14 Phone 770-488-4054 FAX 770-488-4108 E-mail: pill1@cdc.gov</p>	<p>Aparna Kollipara, MS, MSc</p>
<p>NCIPC #1</p>	<p>National Center for Injury Prevention and Control / Office of the Director / Office of Policy, Planning, and Evaluation.</p>	<p>Amy Harris, MPA, Acting Associate Director of Health Policy, Vanderbilt Building/Room 1044.C, Koger Center, Mail-stop 61 770-488-1484; abharris@cdc.gov</p> <p>Louise Galaska, MPA, Deputy Center Director, Vanderbilt Building, Koger Center, Mail-stop 61, Ph 770-488-1436; lgalaska@cdc.gov</p>	<p>Rebecca Greco Kome, MPH</p>

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<p>NCIPC #2</p>	<p>Division of Injury Response (DIR) (proposed), Program Team</p>	<p>Renee L. Johnson, RPT, MSPH, Epidemiologist, Koger Center, Yale Building, Room 2108, Mail-stop F-41 Telephone 770-477-1479 Fax 770-488-4338, rej2@cdc.gov</p> <p>Angela L. Marr, MPH, Program Team Leader/Project Officer, Koger Yale Building, Room 2104, Mail-stop F-41 Telephone 770-477-1428, Fax 770-488-4338, Amarrr@cdc.gov</p>	<p>Carol Chiv, MPH, MSW</p>
<p>NCPHI #2</p>	<p>Division of Integrated Surveillance Systems and Services (DISSS), Office of the Director</p>	<p>Scott J.N. McNabb, Ph.D., M.S. Director, 2500 Century Parkway, MS E-91 404.498.6427 SMcNabb@cdc.gov ; SMcNabb webpage</p> <p>C. Scott Danos, MPH Deputy Division Director (Acting), Mailstop E91 404-498-6278 Email: SDanos@cdc.gov</p>	<p>Melissa Kimball, MPH</p>

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<p>NIP #1</p>	<p>National Immunization Program, Office of the Director, Immunization Services Division</p>	<p>Stacey Hoffman, MPH Health Communication Spec Corporate Square, Building 12 Room 4406, Mail Stop E-52 Ph: 404-639-8799 E-mail: hhs9@cdc.gov Victoria Evans, BS Health Communication Spec Corporate Square, Building 12 Room 4318.02, Mail Stop E-52 Ph: 404-639-8637 E-mail: vae3@cdc.gov</p>	<p>Diane Downie, MPH</p>
<p>OD #2</p>	<p>Office of the Chief Operating Officer, Procurement and Grants Office/Strategic Management Team (SMT) – <i>HealthImpact.net Activity</i></p>	<p>Patrick Flaherty MPP PHPS '98 Strategic Management Analyst Room 2603, Colgate Building, Koger Center Mail Stop E-14 Ph: (770) 488-4794 E-mail: pflaherty@cdc.gov Jamie Legier, Strategic Management Analyst Room 2806, Koger Center, Colgate Building MS E-14 Ph: (770) 488-2613 jlegier@cdc.gov</p>	<p>Patrick Glew, MPH</p>

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<p>OD O#4</p>	<p>Financial Management Office, Budget Formulation and Public Health Policy Branch</p>	<p>Sara Schmit, MA Team Lead, Budget Formulation Team Executive Park Building 12 Mailstop D-58 Phone (404) 498-4309 SSchmit@cdc.gov</p> <p>Julie Zajac, MPH, Public Health Analyst Budget Formulation Team Executive Park Building 12 D-58, Phone 404-498-4381 izajac@cdc.gov</p>	<p>Emma McGinty, MS</p>
<p>OD #6</p>	<p>Office of the Chief of Public Health Practice, Public Health Law Program</p>	<p>Montrece M. Ransom, JD, Public Health Analyst Roybal campus Room 10003, Building 21 Mailstop D30 Ph: (404) 639-4630 Fax: (404) 639-7150 E-mail: MRansom@cdc.gov</p> <p>Rachel Weiss, JD, Acting Editor, Public Health Law News 1600 Clifton Rd., Building 21 Mailstop D30 Ph: (404) 639-5031, Fax (404) 639-7150, E-mail: Rweiss@cdc.gov</p>	<p>Veronica Hobbs, MPH</p>

**Public Health Prevention Specialists
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First Name	Last Name	City	State	Degree	Date	Graduate School
		Lansing	MI	MSW MPH	12/1/1999	University of Michigan
		Lakewood	CO	MSW	8/1/2005	University of Denver
		State College	PA	MHA	5/1/2006	Pennsylvania State University
		Chicago	IL	MPH	5/1/2006	University of Illinois at Chicago
		Pittsburgh	PA	MPH	5/1/2006	Pittsburgh Graduate School of Public Health
		New York	NY	MPH	6/1/2006	Columbia University
		Las Cruces	NM	MPH	3/1/2006	New Mexico State University
		Atlanta	GA	MPH	12/16/2005	University of South Florida
		Tallahassee	FL	MPH	4/1/2006	Florida A&M University
		Marshfield	WI	MPH	8/1/2003	Northern Illinois University
		Chesterfield	MO	MPH MS	8/1/2006 6/1/2006	Saint Louis University Harvard
		Boston	MA	MSc	12/1/2002	London School of Economics and Political Science
		New Haven	CT	MPH	5/1/2006	Yale School of Public Health
		Greenville	MS	MPH	5/1/2004	Jackson State University
		New York	NY	MS	6/1/2006	Columbia University
		Durham	NC	MPH	5/1/2006	University of North Carolina at Chapel Hill
		Decatur	GA	MPH MPH	5/1/2006 7/5/2005	Emory University
		Seattle	WA	MSW MPH	6/1/2004 5/1/2006	University of Washington Morehouse University
		Atlanta	GA	MSc	7/1/2002	Brunel University
		Honolulu	HI	MS	8/1/2006	University of Hawaii at Manoa

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Atlanta	GA	MPH	8/15/2006	Emory University
Rockville	MD	MPH	6/1/2006	University of Texas Health Science Center
Colorado Springs	CO	MPH	1/1/2006	Boston University
Plant City	FL	MPH	1/1/2005	University of South Florida

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Employee, HDQRTS (Atlanta)		Primary Business Address: obb0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: wtb6@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: pxb5@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: duc3@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: vgc1@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: lwc0@cdc.gov	
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Employee, HDQRTS (Atlanta)		Primary Business Address: zdh5@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: lrt6@cdc.gov	
Employee, HDQRTS (Atlanta)		Home (6)	
Employee, HDQRTS (Atlanta)		Primary Business Address: plg2@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: lrg7@cdc.gov	
Employee, HDQRTS (Atlanta)		Home (6)	
Employee, HDQRTS (Atlanta)		Primary Business Address: rmi0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: cxj3@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: dzk8@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: kgl6@cdc.gov	
Employee, HDQRTS (Atlanta)		Home (6)	
Employee, HDQRTS (Atlanta)		Primary Business Address: mcj2@cdc.gov	
Employee, HDQRTS (Atlanta)		Home (6)	
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Employee, HDQRTS (Atlanta)		Primary Business Address: jam2@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: plm7@cdc.gov	
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Employee, HDQRTS (Atlanta)		Primary Business Address: zva9@cdc.gov	
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Employee, HDQRTS (Atlanta)		Primary Business Address: vbp6@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: chr1@cdc.gov	
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Employee, HDQRTS (Atlanta)		Primary Business Address: ras1@cdc.gov	
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Employee, HDQRTS (Atlanta)		Home (6)	
Employee, HDQRTS (Atlanta)		Primary Business Address: cru1@cdc.gov	

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Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Contractor
Employee, HDQRTS (Atlanta)
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Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Other
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, Field Assignee
Employee, HDQRTS (Atlanta)
Private Citizen
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Guest Researcher
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Other Federal Agency
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Guest Researcher
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
Employee, HDQRTS (Atlanta)
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Primary Business Address: kxg7@cdc.gov
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Primary Business Address: ssh1@cdc.gov
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Contractor		Primary Business Address: jib0@cdc.gov
Employee, HDQRTS (Atlanta)		Home: (b)(6)
Employee, HDQRTS (Atlanta)		Home: (b)(6)
Employee, Field Assignee		Primary Business Address: ibc6@cdc.gov Wor
Employee, Field Assignee		Primary Business Address: sgco@cdc.gov
Employee, HDQRTS (Atlanta)		Primary Business Address: rzca4@cdc.gov
Employee, HDQRTS (Atlanta)		Home: (b)(6)
Employee, Field Assignee		Home: (b)(6)
Employee, HDQRTS (Atlanta)		Primary Business Address: llg1@cdc.gov
Employee, HDQRTS (Atlanta)		Home: (b)(6)
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Contractor		Primary Business Address: mke5@cdc.gov
Employee, HDQRTS (Atlanta)		Primary Business Address: sym3@cdc.gov
Employee, HDQRTS (Atlanta)		Home: (b)(6)
Employee, HDQRTS (not Atlanta)		Home: (b)(6)
Employee, HDQRTS (Atlanta)		Primary Business Address: lvs6@cdc.gov
Employee, HDQRTS (Atlanta)		Home: (b)(6)
Employee, HDQRTS (Atlanta)		Primary Business Address: kgb2@cdc.gov
Employee, Field Assignee		Home: (b)(6)
Employee, HDQRTS (Atlanta)		Home: (b)(6)
Contractor		Primary Business Address: low1@cdc.gov

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Employee, HDQRTS (Atlanta)		Primary Business Address: htb8@cdc.gov	
Employee, HDQRTS (Atlanta)		Home: (9) 404-616-1111	
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Employee, HDQRTS (Atlanta)		Home: (9) 404-616-1111	
Employee, HDQRTS (Atlanta)		Primary Business Address: dlb1@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: bvy8@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: zqg7@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: bau0@cdc.gov	
Employee, HDQRTS (Atlanta)		Home: (9) 404-616-1111	
Employee, HDQRTS (Atlanta)		Primary Business Address: bvy9@cdc.gov	
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Employee, HDQRTS (Atlanta)		Home: (9) 404-616-1111	
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Employee, HDQRTS (Atlanta)		Primary Business Address: crb5@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: ewb2@cdc.gov	
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Employee, HDQRTS (Atlanta)		Primary Business Address: zyg6@cdc.gov	
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Employee, HDQRTS (Atlanta)		Primary Business Address: mlc1@cdc.gov	
Guest Researcher		Primary Business Address: bvy5@cdc.gov	
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Employee, HDQRTS (Atlanta)		Primary Business Address: bzc6@cdc.gov	
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Employee, HDQRTS (Atlanta)		Primary Business Address: tgc0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: agc8@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: bid5@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: hdd0@cdc.gov	
Student		Primary Business Address: khdd8@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: snd7@cdc.gov	
Employee, HDQRTS (Atlanta)			
Guest Researcher			

(b)(6)

(b)(6)

Guest Researcher	Home: 678-488-0055	Primary Business Address: lqd1@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: mudd8@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: txdl1@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: awc3@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: vxd0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: kid4@cdc.gov	
Contractor		Primary Business Address: iad0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: kld0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: mfd7@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: swd1@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: scd6@cdc.gov	
Other		Home: [redacted]	
Employee, HDQRTS (Atlanta)		Primary Business Address: ddes9@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: fne0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: tdd4@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: exd4@cdc.gov	
Employee, Field Assignee		Primary Business Address: dou9@cdc.gov Wo	
Employee, HDQRTS (Atlanta)		Primary Business Address: zvd3@cdc.gov	
Private Citizen		Primary Business Address: fev2@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: lee6@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: gle0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: dbr1@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: skf0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: kxg7@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: fa9@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: gfg9@cdc.gov	
Guest Researcher		Home: [redacted]	
Employee, HDQRTS (Atlanta)		Primary Business Address: lkg6@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: sig0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: bwc3@cdc.gov	
Contractor		Home: [redacted]	
Employee, HDQRTS (Atlanta)		Primary Business Address: dot8@cdc.gov	
Employee, HDQRTS (Atlanta)		Home: [redacted]	
Employee, HDQRTS (Atlanta)		Primary Business Address: bxh4@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: krh7@cdc.gov	
Other Federal Agency		Home: [redacted]	
Employee, HDQRTS (Atlanta)		Primary Business Address: ssh1@cdc.gov	
Employee, HDQRTS (Atlanta)		Home: miwane@bitmorecomm.com Primary B	
Guest Researcher		Home: [redacted]	
Employee, HDQRTS (Atlanta)		Primary Business Address: jx4@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: dbj0@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: dvk3@cdc.gov	
Employee, HDQRTS (Atlanta)		Home: [redacted]	
Employee, HDQRTS (Atlanta)		Primary Business Address: jlj1@cdc.gov	
Employee, HDQRTS (Atlanta)		Primary Business Address: mlk5@cdc.gov	

(b)(6)

(b)(6)

Personnel Type	Cell Phone	Email	Home Phone
Employee, HDQRTS (Atlanta)	(b)(6)	Primary Business Address: sbe2@cdc.gov	(b)(6)
Employee, HDQRTS (Atlanta)	(b)(6)	Primary Business Address: pdm3@cdc.gov	(b)(6)



CDC IAP Number 2: *E. coli* O157 Outbreak

1. Incident Name <i>E. coli</i> O157 Outbreak	2. Operational Period (Date/Time)		3. Documents Attached
	From: 12/08 18:00 Hours EST To: 12/09 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	Captain Ralph O'Connor	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Chief 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	404-553-7735
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

7. Current Situation/Threats:

Seven states continue to report cases to date. Less than half of these cases under investigation have been culture-confirmed infections with *E. coli* O157 to date, and food consumption/restaurant histories are incomplete. Interviews that have been completed for cases under investigation indicate that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets ranged from 11/20 to 12/02. Other cases under investigation had illness onset as recent as yesterday, 12/7. PFGE information for some case isolates is now available, and PFGE testing on remaining isolates is underway.

E. coli Update, Case Counts as of 12:00 pm December 8

192 Confirmed/Probable/Suspect cases total, 7 states*

State	Confirmed Cases Reported	Probable Cases Reported	Suspect Cases Reported
CT	0	0	2
DE	2	0	2
NJ	8	20	19
NY	6	15	110
PA	1	8	59
SC	0	1	0
UT	0	1	0
Total:	17	45	192

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

Hospitalized: 49

Hemolytic Uremic Syndrome (HUS): 7

Deaths: 0

8. Planning Assumptions:

- No known intentional foodborne threats have been identified by intelligence sources.
- The outbreak vehicle still has not been confirmed at this time. However, food testing is continuing.
- The risk to the public is considered ongoing and we expect additional cases to be identified in the coming days.



CDC IAP Number 2: *E. coli* O157 Outbreak

9. Planning Objectives:

1. Continue to pursue the identification of the food vehicle for the outbreak with USDA, FDA and state health departments.
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 to case control study interviews in conjunction with the states and begin data entry and analysis on Saturday, December 9, 2006.

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

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 2: *E. coli* O157 Outbreak

INCIDENT BRIEFING	1. Incident Name <i>E. coli</i> O157 Outbreak	2. Date 12/08/06	3. Time 18:00 EDT																																				
4. Map and Epidemiological Data																																							
<p>Table 1. Confirmed and probable cases in the <i>E. coli</i> O157 / Taco Bell outbreak reported to CDC as of December 8, 2006, 12:00pm EST</p>																																							
<table border="1"><thead><tr><th>State</th><th>Confirmed</th><th>Probable</th><th>Suspect</th></tr></thead><tbody><tr><td>CT</td><td>0</td><td>0</td><td>2</td></tr><tr><td>DE</td><td>2</td><td>0</td><td>2</td></tr><tr><td>NJ</td><td>8</td><td>20</td><td>19</td></tr><tr><td>NY</td><td>6</td><td>15</td><td>110</td></tr><tr><td>PA</td><td>1</td><td>8</td><td>59</td></tr><tr><td>SC</td><td>0</td><td>1</td><td>0</td></tr><tr><td>UT</td><td>0</td><td>1</td><td>0</td></tr><tr><td>Grand Total</td><td>17</td><td>45</td><td>192</td></tr></tbody></table>				State	Confirmed	Probable	Suspect	CT	0	0	2	DE	2	0	2	NJ	8	20	19	NY	6	15	110	PA	1	8	59	SC	0	1	0	UT	0	1	0	Grand Total	17	45	192
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<ul style="list-style-type: none">• 7 states reported cases<ul style="list-style-type: none">– 6 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC, UT)• 17 confirmed, 45 probable, and 192 suspect cases reported to CDC<ul style="list-style-type: none">– 62 confirmed and probable cases reported publicly– 2 new confirmed and/or probable cases reported since December 7, 2006																																							



CDC IAP Number 2: *E. coli* O157 Outbreak

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 8, 2006, 12:00pm EST

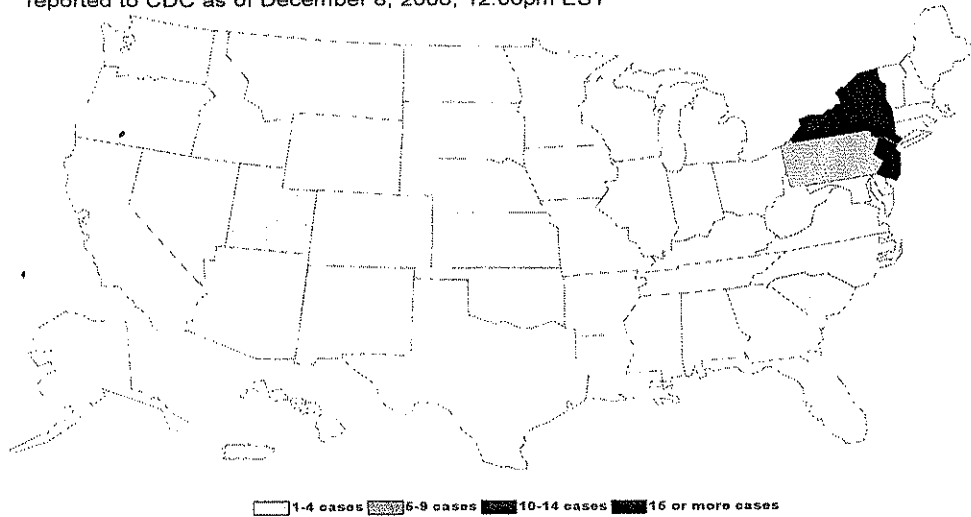


Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 8, 2006, 12:00pm EST

Demographics	
Age in years, range (median)	4-61 (17)
Age Categories, N=58 (%)	
< 5 years	1 (2)
5 - 17 years	31 (53)
18 - 59 years	24 (41)
> 59 years	2 (3)
Gender, 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 8, 2006, 12:00pm EST

Outcome, N=63	n (%)	HUS Cases, N=7	
Hospitalized	49 (78)	Median age (years)	11
HUS	7 (11)	Range (years)	5-51
Death	0 (0)		

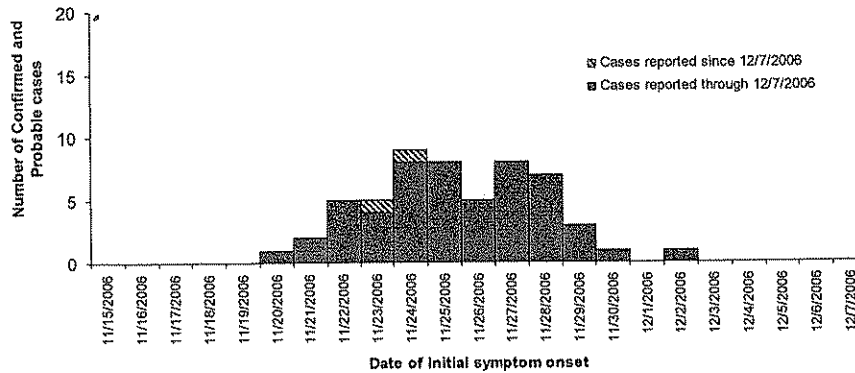
*Cases with missing outcome information were considered to not have outcome



CDC IAP Number 2: *E. coli* O157 Outbreak

Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 8, 2006, 12:00pm EST (N=55*)

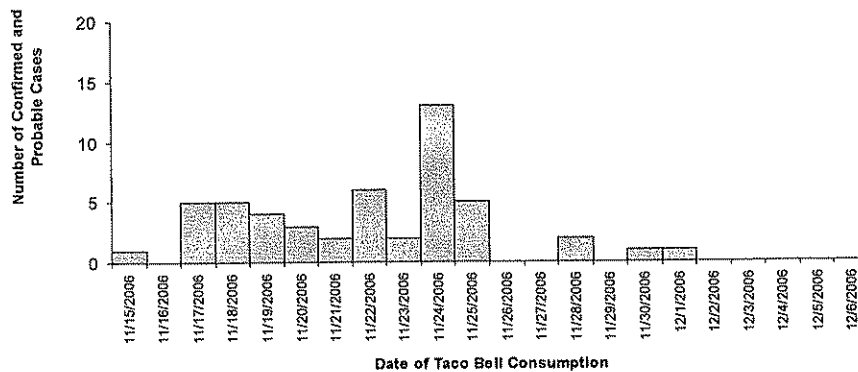
*55 probable and confirmed cases with reported date of initial symptom onset



- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 8, 2006, 12:00pm EST (N=50*)

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



- Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

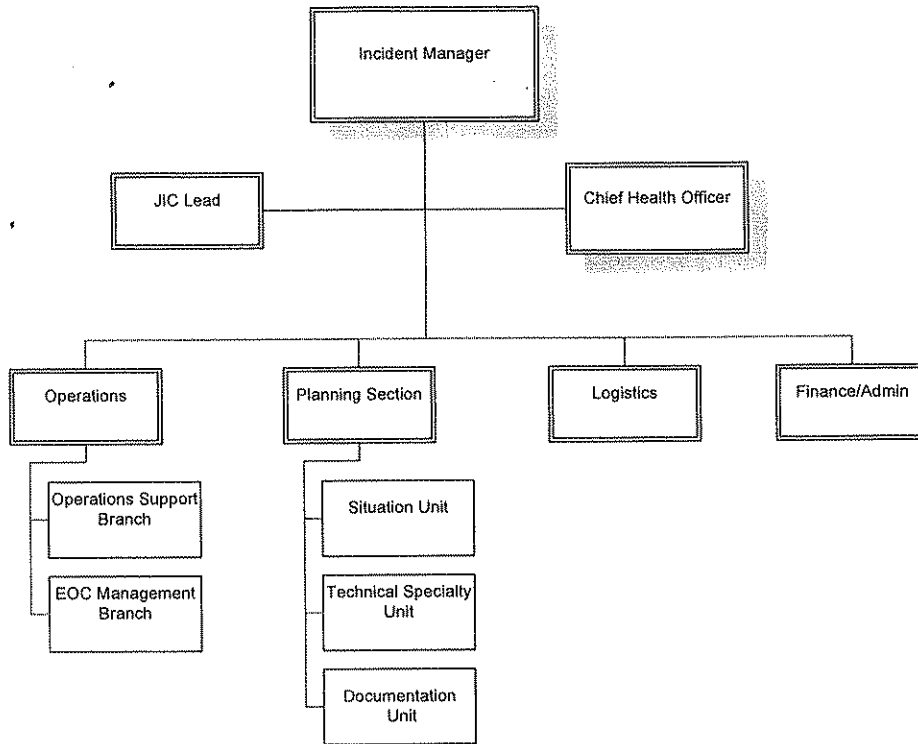
ICS 201 – CDC

5. PREPARED BY (NAME AND POSITION)
IMS Tech Specialty Unit/GIS Sections

6. Current Organization



CDC IAP Number 2: *E. coli* O157 Outbreak



ICS 201 – CDC

6a. PREPARED BY (NAME AND POSITION)
Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 2: *E. coli* O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - 19 total cases, 19 controls interviewed
 - NJ has asked CDC to interview all controls
 - NY working on controls, awaiting info from locals
 - FDA would like to participate in the case controls studies with CDC.
 - Need to get case control study completed this weekend
 - Need to identify personnel who can make the case control study calls over the weekend.
- Have not confirmed food implicated (vehicle); however, preliminary laboratory results suggest green onions
- DEOC staffing and current reporting rhythm will continue through the weekend
- States and locals are not looking at any other restaurants other than Taco Bell – main focus is still on foods served at Taco Bell

FDA Activities:

- 1300 conference call with all 50 states
- 1330 – Yum Brands to meet with FDA and CFSAN (Center for Food Safety and Nutrition) to present trace back documentation
- Received samples from Taco Bell labs today, 12/8.
- Information released to the public should be consistent. There is no isolate from produce that matches the outbreak strain. Need to have positive PFGE pattern before making a confirmation to equate it to *E. coli* O157:H7.
- Lettuce, tomatoes, and cilantro samples from CA to be tested today, 12/8 (no positive sample analysis yet) FDA Office of Criminal Investigations does not believe this is a criminal act.

USDA Activities:

- Have been in contact with Yum Brands (product development in Irvine, CA)
- Will have an investigator in Irvine to look at product supply and distribution information.
- Office of Field Operations will be doing product investigations – looking at meat distributed to Taco Bell from IA
- Waiting for FSIS (Food Safety and Inspection Services) to indicate whether beef or chicken is involved

State Activities:

- All states are continuing to provide epidemiological surveillance and testing activities.
- States are also crafting public health and risk communication messages for media inquiries, media outlet distribution, and partner/agency communications.
- States continue to identify and report new suspect cases and additional information.
- Continuing case control study interviews. CDC has offered assistance with data collection.

CDC JIC Report:

Report current as of 3pm December 8, 2006

Web Team Activities:

Postings on CDC *E. coli* website, December 8 (as of 2:45 PM):

- Current Situation Q&A's (http://www.cdc.gov/ecoli/2006/december/qa_dec.htm)

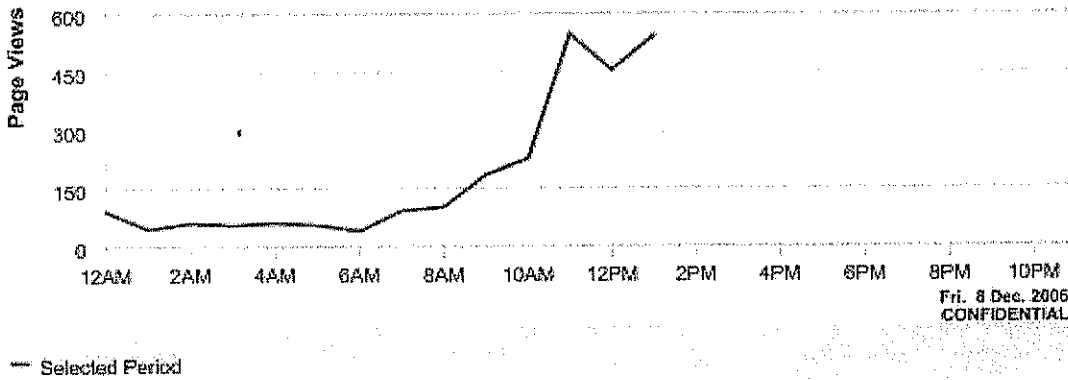


CDC IAP Number 2: *E. coli* O157 Outbreak

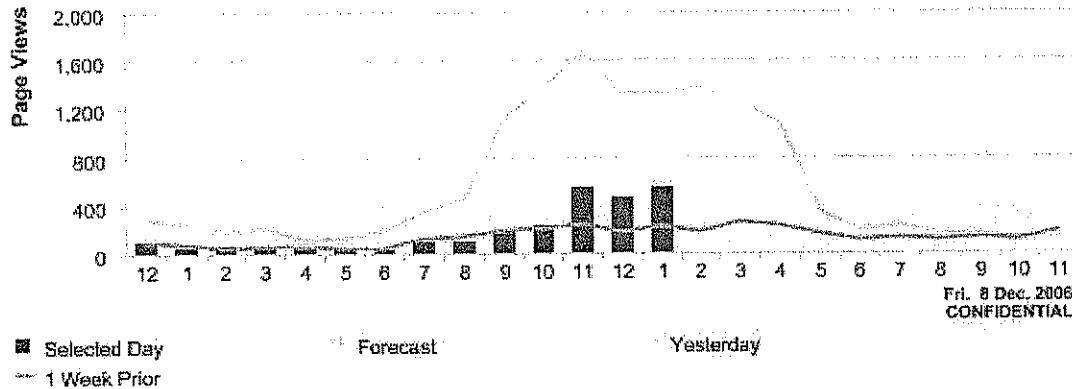
Total traffic on all *E. coli*-related pages on CDC website, December 8 (as of 2:30 PM):

- Total: 3,056 views
- Final total for yesterday: 14,054 views
- There is a significant drop in traffic today compared to yesterday

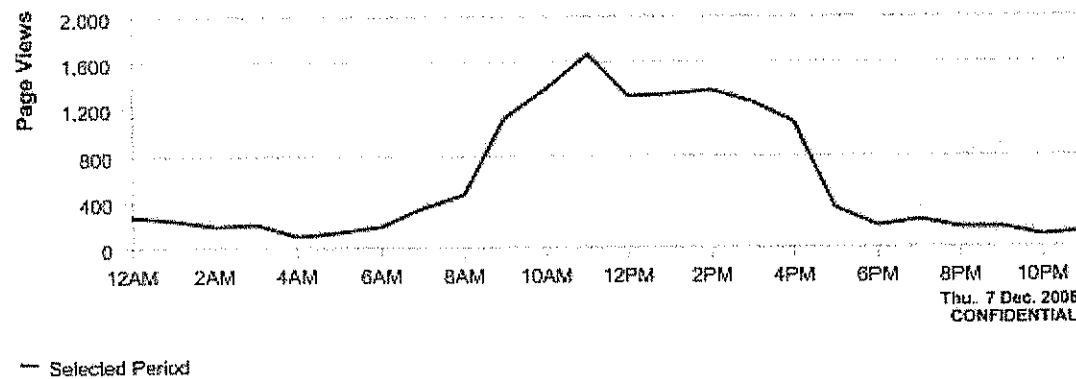
Graph of traffic on all -*E. coli*-related webpages today:



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



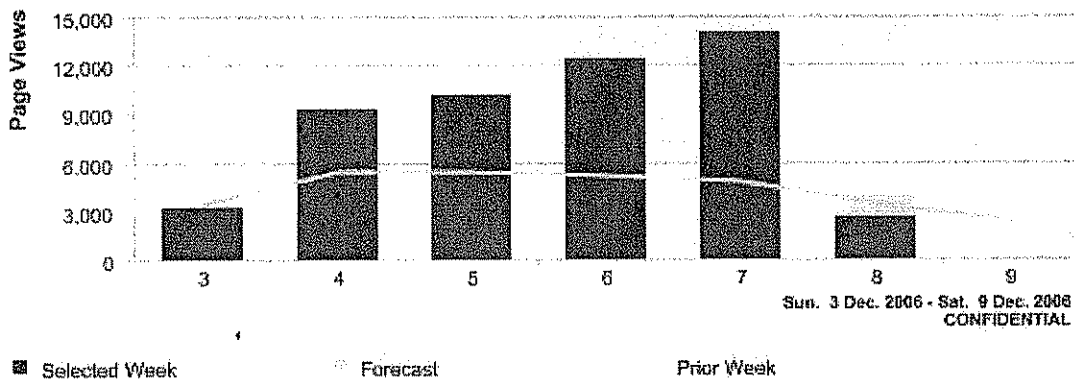
Final graph of traffic on all -*E. coli*-related webpages yesterday:



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



CDC IAP Number 2: *E. coli* O157 Outbreak



Information Management Activities:

- Worked with CHET to send plain language *E. coli* fact sheet through clearance (clearance in progress).
- Worked with NCZVED and FDA to post links for food handlers on our site.
- Edited and cleared talking points and sent to appropriate staff.
- Corrected information on *E. coli* spinach outbreak site (incorrect numbers posted)
- Worked with NCZVED to get *E. coli* fact sheet for clinicians cleared (clearance in progress).

Clinician Team Activities:

Below are the *e. coli* clinician inquiry numbers:

- COCA/Registry emails (for 12/8): 0
- CDC INFO phone calls (for 12/7): 13
- CDC INFO tier 1 and 2 emails (for 12/7): 1
- CDC INFO tier 3 escalated emails (for 12/8): 2

Community Health Education Team Activities:

- Disseminated situational update to SOPHE (Society of Public Health Education) that will reach 1700 state and local health educators. This message will also be distributed via SOPHE to the coalition of National Health Education Organizations member (30,000).
- Sent forward the following documents to multi-lingual services for translation:
- Update on current outbreak <http://www.cdc.gov/ecoli/2006/december/120706.htm>
- Current Situation Q&A's http://www.cdc.gov/ecoli/2006/december/ga_dec.htm
- Sent forward the Current Situation Q&A's to Clear and Cultural Communications (CCC) for a plain language format
- Collaborated with IMT to send plain language *E. coli* factsheet through appropriate clearance channels--clearance in progress.
- Assisting the research team with its Media monitoring task by reviewing about 30 articles from local, network and cable television as well as newspapers and news websites to assess the kind of information that is being circulated regarding the current *E. coli* outbreak.

Pending:

- Forwarded translated and plain language materials to web team, as they become available, for posting on the web
- Disseminate situation update to FBO, CBO and other immediate external partners.



CDC IAP Number 2: *E. coli* O157 Outbreak

Research Team (Media):

A. Daily

1)

media stories for past 24 hours is 898= Google News

2) Daily Update on Media Themes

The following themes were observed in media headlines appearing on 12.07.06. News reports may not reflect findings of the investigation.

Headline Themes for 12.07.06

* green onions may be the source of the outbreak (Taco Bell stops serving green onions)

"Taco Bell stops serving green onions after E. coli outbreak" Chicago Tribune

* the outbreak has resulted in food safety concerns or calls for more food safety guidelines "Renewed safety concerns over fresh produce; The latest E. coli outbreak is forcing government and industry to reevaluate the U.S. supply chain for fruits and vegetables" The Philadelphia Inquirer

* Taco Bell restaurants close after outbreak

"15 Taco Bells in city close in E.coli outbreak" Philadelphia Daily News

* outbreak has been traced to three states "Taco Bell Removes Green Onions; E. Coli Outbreak Traced to 3 States" The Washington Post

B. ECB Data-- Week in View:

Date	Media Inquiries	CDCInfo Calls	CDCInfo Emails	COCA Emails	Webhits	Media Stories	Date
12/5	5	5	3	1	10,109	621	12/5
12/6	17	12	2	0	12,404	932	12/6
12/7	13	13	3	0	14,054	898	12/7

Gail Williams Acting Lead, Joint Information Center

CDC Director's Emergency Operations Center

eocjicleadership@cdc.gov

gdw5@cdc.gov

(404) 553-7533/ 404-259-2863 cell

ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan



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

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CDC IAP Number 2: E. coli O157 Outbreak

**INCIDENT STATUS SUMMARY
CDC- ICS 209**

1. Date 12/08/2006		2. Initial <input type="checkbox"/> Update <input checked="" type="checkbox"/> Final <input type="checkbox"/>		3. Incident Name E. coli O157 Outbreak		4. Incident Number	
5. Incident Manager Phil Navin		6. Chief Health Officer Dr. David Warnock		7. Type of Incident Biological		8. Cause Restaurant	
9. Activation Date/Time 12/07/06 08:30				10. Total CDC Personnel Deployed 0		11. Total CDC OFRD Personnel Deployed 0	
12. Expected Completion Date/Time				13. Number of MAs Received: Period: Total: 0		14. Number of MAs Completed: Period: Total: 0	
15. Number of ARFs Received: Period: Total: 0				16. Number of ARFs Completed: Period: Total: 0			
17. Deaths 0		18. Cases Confirmed: 17 Probable: 45 Suspect: 192		19. Current Number of Evacuees N/A		20. Current Number of Shelters Open N/A	
21. Current Weather- N/A		22. Predicted Weather- N/A		23. Cost to Date Unknown		24. Estimated Total Cost Unknown	
WS WD		Temp RH		WS WD		Temp RH	
25. CDC Assets Deployed							
Resources	Location	Mission	Number of Personnel Assigned	Team Lead	% Mission Complete	TOTAL TEAMS	
Teams							None
Equipment							None
Total Personnel Deployed						TEAMS:	None
26. Significant Events None							
27. Significant Issues None							
28. Prepared by: Jacqueline Evans, IMS Incident Action Plan		29. Approved by: Thomas Reynolds, CDC IMS Planning Section Chief		30. Date 12/08/06		Time 18:00 EDT	
ICS 209 – CDC							



CDC IAP Number 2: *E. coli* O157 Outbreak

1. Incident Name <i>E. coli</i> O157 Outbreak	2. Operational Period (Date/Time)		3. Documents Attached
	From: 12/08 18:00 Hours EST To: 12/09 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
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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

7. Current Situation/Threats:

Seven states continue to report cases to date. Less than half of these cases under investigation have been culture-confirmed infections with *E. coli* O157 to date, and food consumption/restaurant histories are incomplete. Interviews that have been completed for cases under investigation indicate that a very high proportion had eaten at Taco Bell. For culture-confirmed cases, illness onsets ranged from 11/20 to 12/02. Other cases under investigation had illness onset as recent as yesterday, 12/7. PFGE information for some case isolates is now available, and PFGE testing on remaining isolates is underway.

E. coli Update, Case Counts as of 12:00 pm December 8

192 Confirmed/Probable/Suspect cases total, 7 states*

State	Confirmed Cases Reported	Probable Cases Reported	Suspect Cases Reported
CT	0	0	2
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NJ	8	20	19
NY	6	15	110
PA	1	8	59
SC	0	1	0
UT	0	1	0
Total:	17	45	192

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

Hospitalized: 49

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.



CDC IAP Number 2: *E. coli* O157 Outbreak

9. Planning Objectives:

1. Continue to pursue the identification of the food vehicle for the outbreak with USDA, FDA and state health departments.
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 to case control study interviews in conjunction with the states and begin data entry and analysis on Saturday, December 9, 2006.

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

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 2: *E. coli* O157 Outbreak

INCIDENT BRIEFING	1. Incident Name <i>E. coli</i> O157 Outbreak	2. Date 12/08/06	3. Time 18:00 EDT
--------------------------	---	----------------------------	-----------------------------

4. Map and Epidemiological Data

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 8, 2006, 12:00pm EST

State	Confirmed	Probable	Suspect
CT	0	0	2
DE	2	0	2
NJ	8	20	19
NY	6	15	110
PA	1	8	59
SC	0	1	0
UT	0	1	0
Grand Total	17	45	192

- 7 states reported cases
 - 6 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC, UT)
- 17 confirmed, 45 probable, and 192 suspect cases reported to CDC
 - 62 confirmed and probable cases reported publicly
 - 2 new confirmed and/or probable cases reported since December 7, 2006



CDC IAP Number 2: *E. coli* O157 Outbreak

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 8, 2006, 12:00pm EST

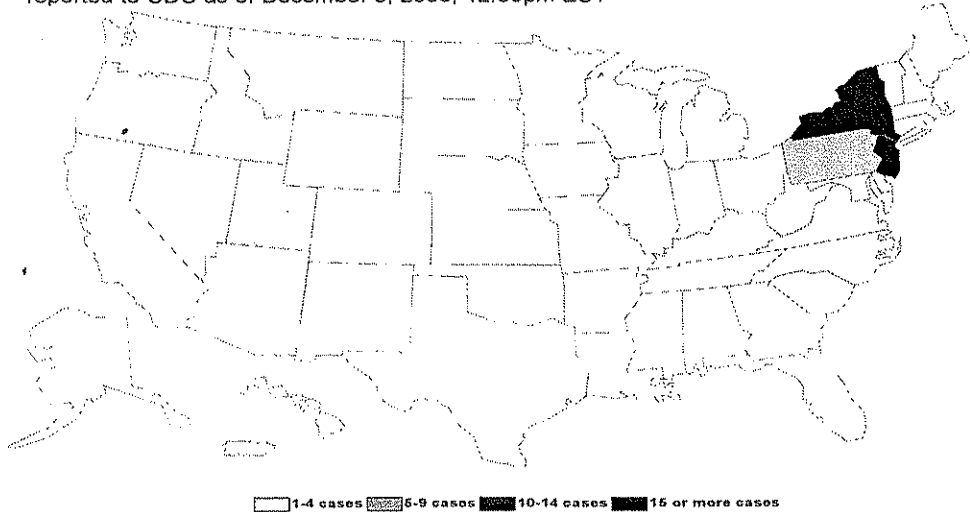


Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 8, 2006, 12:00pm EST

Demographics	
Age in years, range (median)	4-61 (17)
Age Categories, N=58 (%)	
< 5 years	1 (2)
5 - 17 years	31 (53)
18 - 59 years	24 (41)
> 59 years	2 (3)
Gender, 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 8, 2006, 12:00pm EST

Outcome, N=63	n (%)	HUS Cases, N=7
Hospitalized	49 (78)	Median age (years)
HUS	7 (11)	11
Death	0 (0)	Range (years)
		5-51

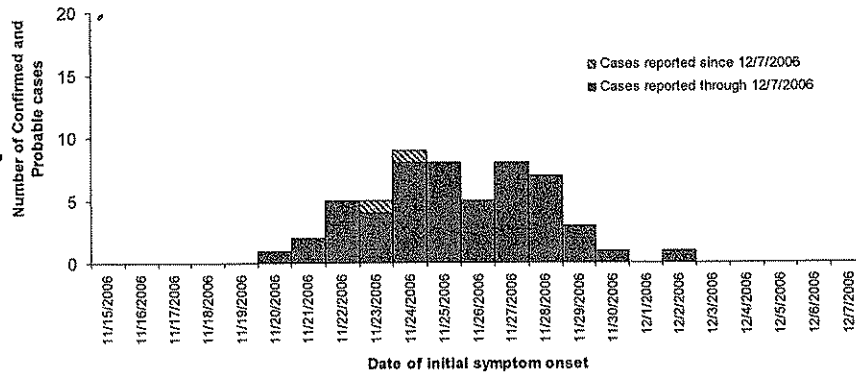
*Cases with missing outcome information were considered to not have outcome



CDC IAP Number 2: *E. coli* O157 Outbreak

Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 8, 2006, 12:00pm EST (N=55*)

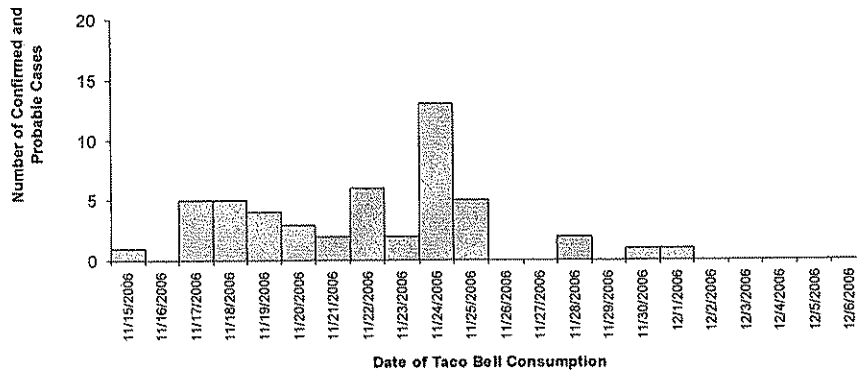
*55 probable and confirmed cases with reported date of initial symptom onset



- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 8, 2006, 12:00pm EST (N=50*)

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



- Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

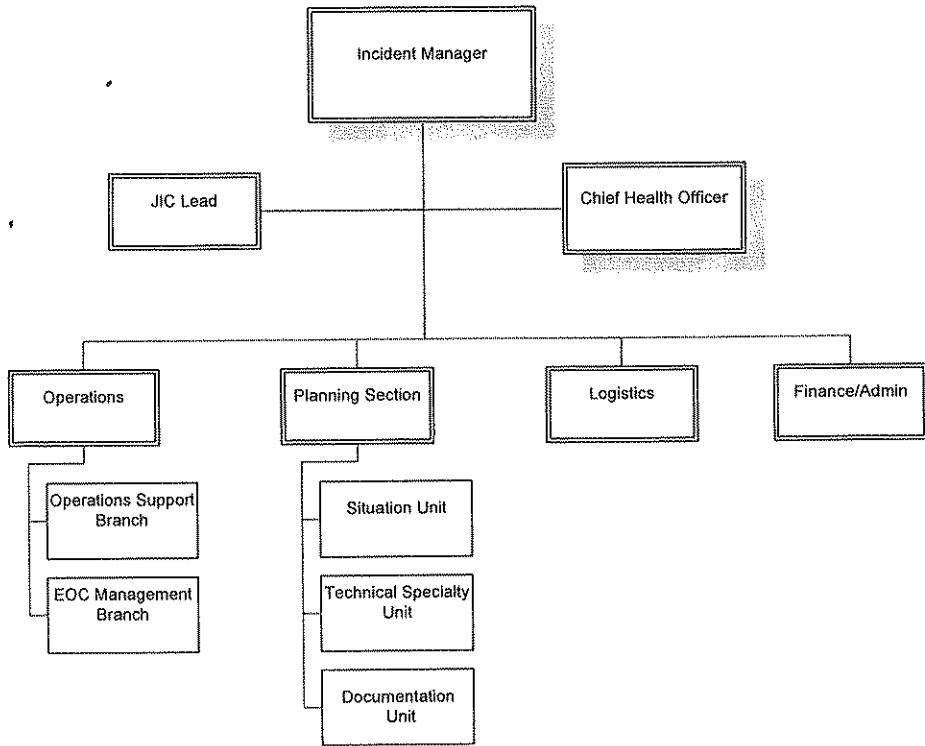
ICS 201 – CDC

5. PREPARED BY (NAME AND POSITION)
IMS Tech Specialty Unit/GIS Sections

6. Current Organization



CDC IAP Number 2: *E. coli* O157 Outbreak



ICS 201 – CDC

6a. PREPARED BY (NAME AND POSITION)
Jacqueline Evans, IMS Incident Action Plan



CDC IAP Number 2: *E. coli* O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- Case Control Study:
 - 19 total cases, 19 controls interviewed
 - NJ has asked CDC to interview all controls
 - NY working on controls, awaiting info from locals
 - FDA would like to participate in the case controls studies with CDC.
 - Need to get case control study completed this weekend
 - Need to identify personnel who can make the case control study calls over the weekend.
- Have not confirmed food implicated (vehicle); however, preliminary laboratory results suggest green onions
- DEOC staffing and current reporting rhythm will continue through the weekend
- States and locals are not looking at any other restaurants other than Taco Bell – main focus is still on foods served at Taco Bell

FDA Activities:

- 1300 conference call with all 50 states
- 1330 – Yum Brands to meet with FDA and CFSAN (Center for Food Safety and Nutrition) to present trace back documentation
- Received samples from Taco Bell labs today, 12/8.
- Information released to the public should be consistent. There is no isolate from produce that matches the outbreak strain. Need to have positive PFGE pattern before making a confirmation to equate it to *E. coli* O157:H7.
- Lettuce, tomatoes, and cilantro samples from CA to be tested today, 12/8 (no positive sample analysis yet) FDA Office of Criminal Investigations does not believe this is a criminal act.

USDA Activities:

- Have been in contact with Yum Brands (product development in Irvine, CA)
- Will have an investigator in Irvine to look at product supply and distribution information.
- Office of Field Operations will be doing product investigations – looking at meat distributed to Taco Bell from IA
- Waiting for FSIS (Food Safety and Inspection Services) to indicate whether beef or chicken is involved

State Activities:

- All states are continuing to provide epidemiological surveillance and testing activities.
- States are also crafting public health and risk communication messages for media inquiries, media outlet distribution, and partner/agency communications.
- States continue to identify and report new suspect cases and additional information.
- Continuing case control study interviews. CDC has offered assistance with data collection.

CDC JIC Report:

Report current as of 3pm December 8, 2006

Web Team Activities:

Postings on CDC *E. coli* website, December 8 (as of 2:45 PM):

- Current Situation Q&A's (http://www.cdc.gov/ecoli/2006/december/qa_dec.htm)

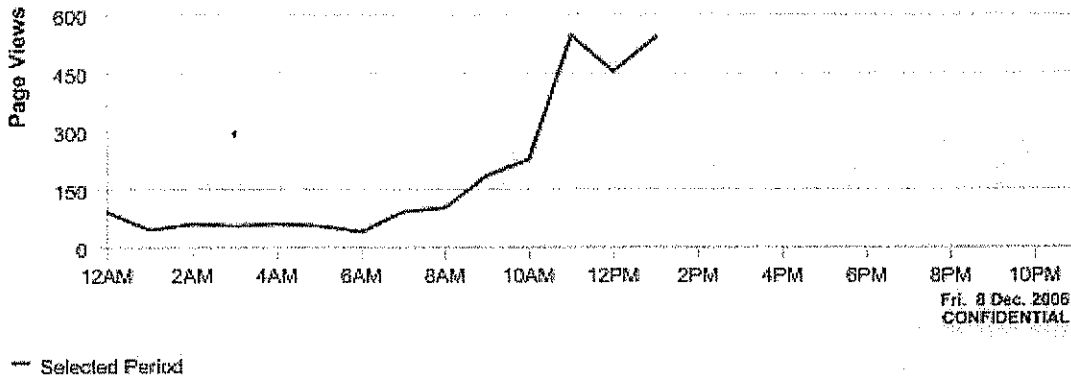


CDC IAP Number 2: *E. coli* O157 Outbreak

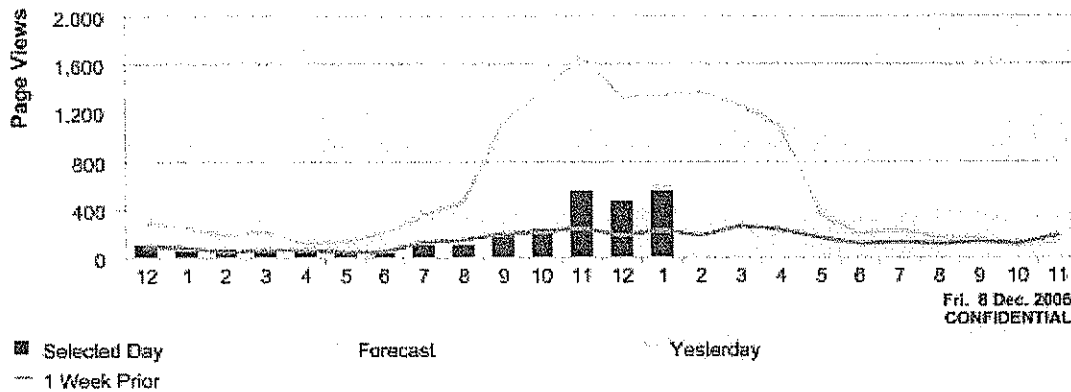
Total traffic on all *E. coli*-related pages on CDC website, December 8 (as of 2:30 PM):

- Total: 3,056 views
- Final total for yesterday: 14,054 views
- There is a significant drop in traffic today compared to yesterday

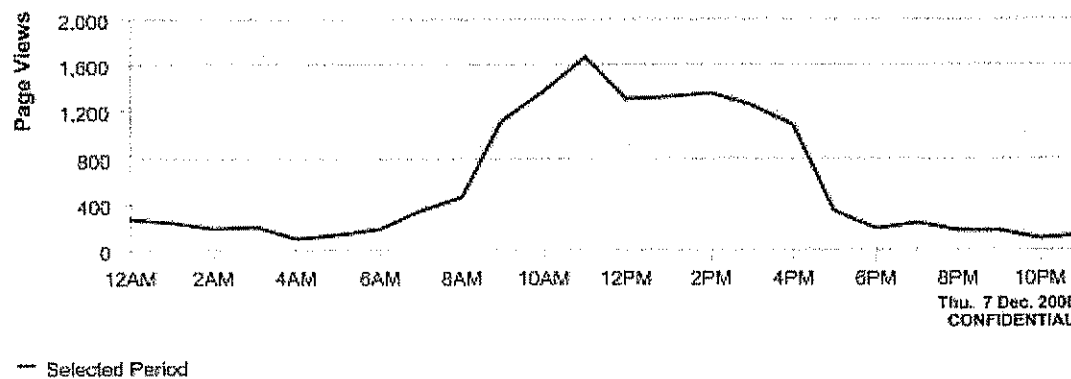
Graph of traffic on all -*E. coli*-related webpages today:



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



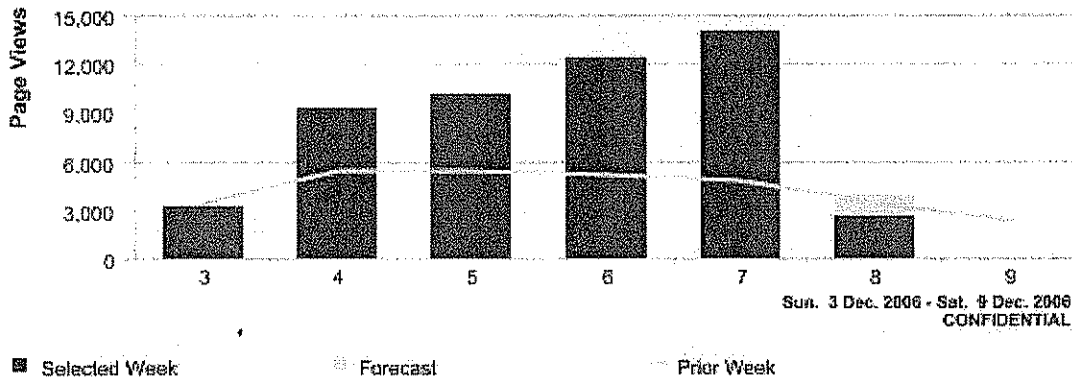
Final graph of traffic on all -*E. coli*-related webpages yesterday:



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



CDC IAP Number 2: *E. coli* O157 Outbreak



Information Management Activities:

- Worked with CHET to send plain language *E. coli* fact sheet through clearance (clearance in progress).
- Worked with NCZVED and FDA to post links for food handlers on our site.
- Edited and cleared talking points and sent to appropriate staff.
- Corrected information on *E. coli* spinach outbreak site (incorrect numbers posted)
- Worked with NCZVED to get *E. coli* fact sheet for clinicians cleared (clearance in progress).

Clinician Team Activities:

Below are the *e. coli* clinician inquiry numbers:

- COCA/Registry emails (for 12/8): 0
- CDC INFO phone calls (for 12/7): 13
- CDC INFO tier 1 and 2 emails (for 12/7): 1
- CDC INFO tier 3 escalated emails (for 12/8): 2

Community Health Education Team Activities:

- Disseminated situational update to SOPHE (Society of Public Health Education) that will reach 1700 state and local health educators. This message will also be distributed via SOPHE to the coalition of National Health Education Organizations member (30,000).
- Sent forward the following documents to multi-lingual services for translation:
- Update on current outbreak <http://www.cdc.gov/ecoli/2006/december/120706.htm>
- Current Situation Q&A's http://www.cdc.gov/ecoli/2006/december/qa_dec.htm
- Sent forward the Current Situation Q&A's to Clear and Cultural Communications (CCC) for a plain language format
- Collaborated with IMT to send plain language *E. coli* factsheet through appropriate clearance channels-- clearance in progress.
- Assisting the research team with its Media monitoring task by reviewing about 30 articles from local, network and cable television as well as newspapers and news websites to assess the kind of information that is being circulated regarding the current *E. coli* outbreak.

Pending:

- Forwarded translated and plain language materials to web team, as they become available, for posting on the web
- Disseminate situation update to FBO, CBO and other immediate external partners.



CDC IAP Number 2: *E. coli* O157 Outbreak

Research Team (Media):

A. Daily

1)

media stories for past 24 hours is 898= Google News

2) Daily Update on Media Themes

The following themes were observed in media headlines appearing on 12.07.06. News reports may not reflect findings of the investigation.

Headline Themes for 12.07.06

* green onions may be the source of the outbreak (Taco Bell stops serving green onions)

"Taco Bell stops serving green onions after *E. coli* outbreak" Chicago Tribune

* the outbreak has resulted in food safety concerns or calls for more food safety guidelines "Renewed safety concerns over fresh produce; The latest *E. coli* outbreak is forcing government and industry to reevaluate the U.S. supply chain for fruits and vegetables" The Philadelphia Inquirer

* Taco Bell restaurants close after outbreak

"15 Taco Bells in city close in *E. coli* outbreak" Philadelphia Daily News

* outbreak has been traced to three states "Taco Bell Removes Green Onions; *E. Coli* Outbreak Traced to 3 States" The Washington Post

B. ECB Data-- Week in View:

Date	Media Inquiries	CDCInfo Calls	CDCInfo Emails	COCA Emails	Webhits	Media Stories	Date
12/5	5	5	3	1	10,109	621	12/5
12/6	17	12	2	0	12,404	932	12/6
12/7		13	3	0	14,054	898	12/7

Gail Williams Acting Lead, Joint Information Center
CDC Director's Emergency Operations Center
eocjicleadership@cdc.gov

gdw5@cdc.gov

(404) 553-7533/ 404-259-2863 cell

ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)
Jacqueline Evans, IMS Incident Action Plan



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

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CDC IAP Number 2: *E. coli* O157 Outbreak

**INCIDENT STATUS SUMMARY
CDC- ICS 209**

1. Date 12/08/2006		2. Initial <input type="checkbox"/> Update <input checked="" type="checkbox"/> Final <input type="checkbox"/>		3. Incident Name <i>E. coli</i> O157 Outbreak		4. Incident Number			
5. Incident Manager Phil Navin		6. Chief Health Officer Dr. David Warnock		7. Type of Incident Biological		8. Cause Restaurant		9. Activation Date/Time 12/07/06 08:30	
10. Total CDC Personnel Deployed 0			11. Total CDC OFRD Personnel Deployed 0			12. Expected Completion Date/Time			
13. Number of MAs Received: Period: Total: 0		14. Number of MAs Completed: Period: Total: 0		15. Number of ARFs Received: Period: Total: 0		16. Number of ARFs Completed: Period: Total: 0			
17. Deaths 0	18. Cases Confirmed: 17 Probable: 45 Suspect: 192	19. Current Number of Evacuees N/A		20. Current Number of Shelters Open N/A					
21. Current Weather- N/A		22. Predicted Weather- N/A		23. Cost to Date Unknown			24. Estimated Total Cost Unknown		
25. CDC Assets Deployed									
Resources	Location	Mission		Number of Personnel Assigned	Team Lead		% Mission Complete	TOTAL TEAMS	
Teams								None	
Equipment								None	
Total Personnel Deployed							TEAMS	None	
26. Significant Events None									
27. Significant Issues None									
28. Prepared by: Jacqueline Evans, IMS Incident Action Plan			29. Approved by Thomas Reynolds, CDC IMS Planning Section Chief			30. Date 12/08/06 Time 18:00 EDT			
ICS 209 – CDC									

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

Updated numbers for
Thursday, December 7, 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 7, 2006, 1:00pm EST

State	Confirmed	Probable	Suspect
CT	0	0	2
DE	1	0	1
NJ	8	20	15
NY	3	16	84
PA	0	8	23
SC	0	1	0
UT	0	1	0
Grand Total	12	46	125

- 7 states reported cases
 - 6 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC, UT)
- 12 confirmed, 46 probable, and 125 suspect cases reported to CDC
 - 13 new confirmed and/or probable cases reported since December 6, 2006

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 7, 2006, 1:00pm EST

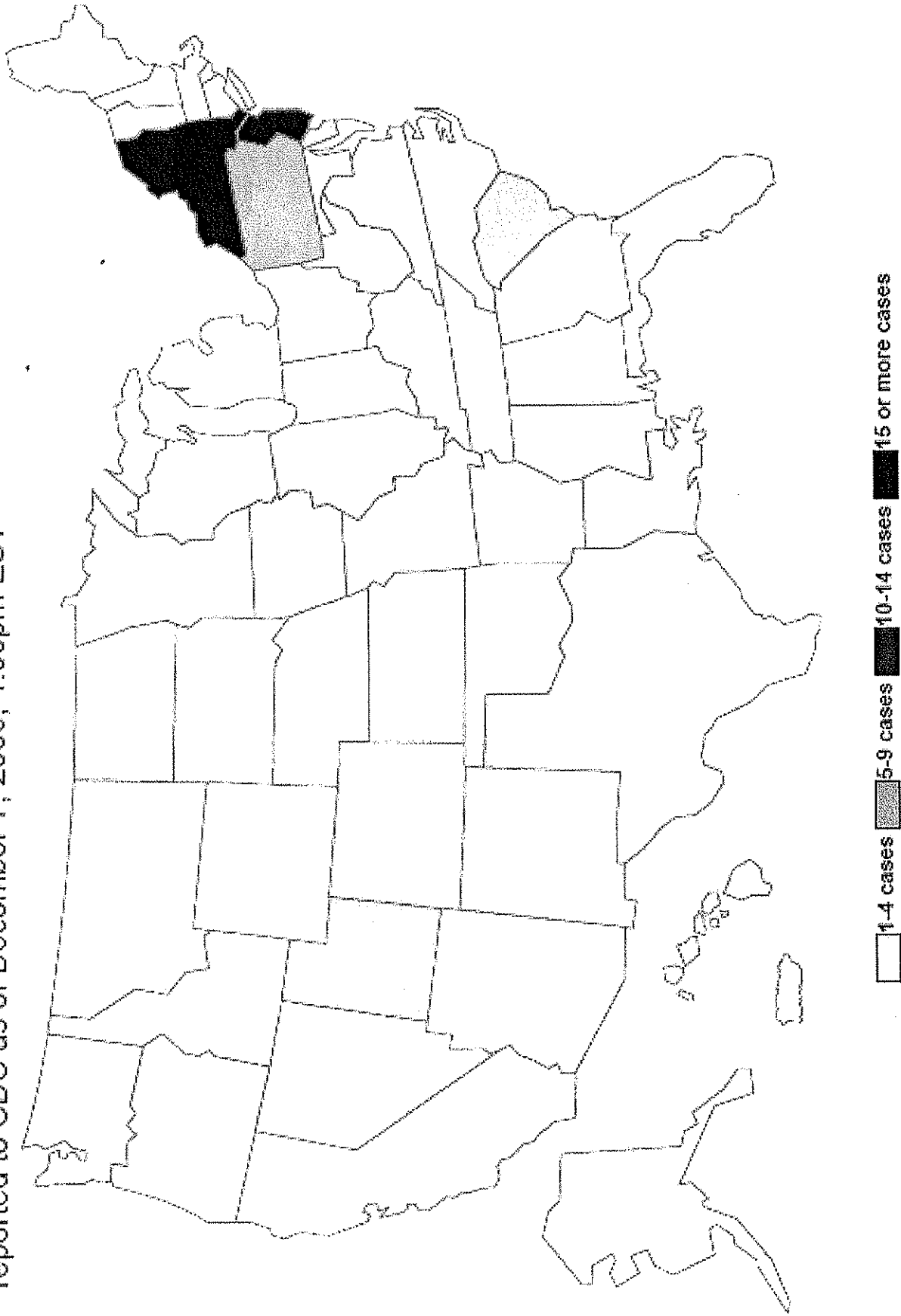


Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

Demographics, N=58	
Age in years, range (median)	4-61 (17)
Age Categories, n (%)	
< 5 years	1 (2)
5 - 17 years	30 (55)
18 - 59 years	22 (40)
> 59 years	2 (4)
Gender, n (%)	
Female	28 (48)
Male	29 (50)

*Percentages may not add to 100 due to missing observations

Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

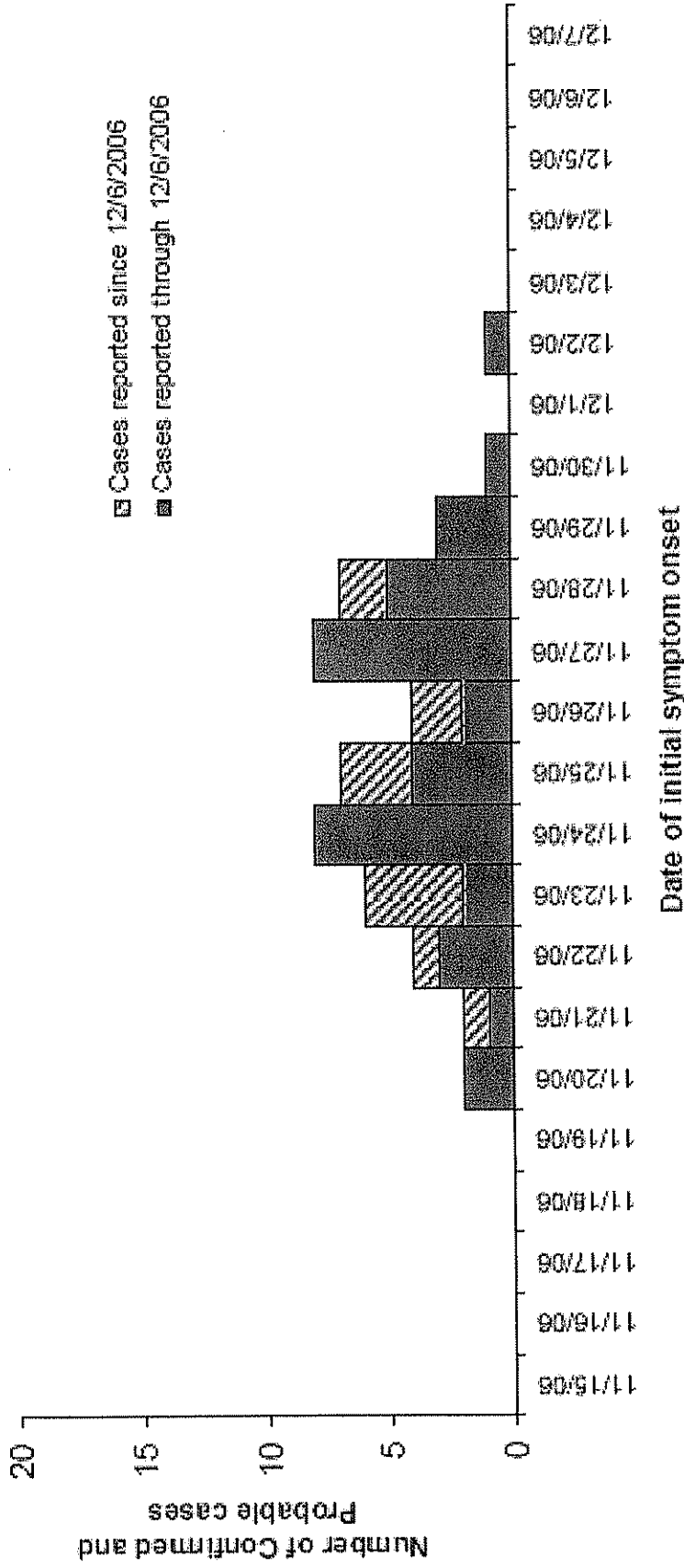
Outcome, N=58	n (%)
Hospitalized	48 (83)
HUS	7 (12)
Death	0 (0)

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

Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

(N=53*)

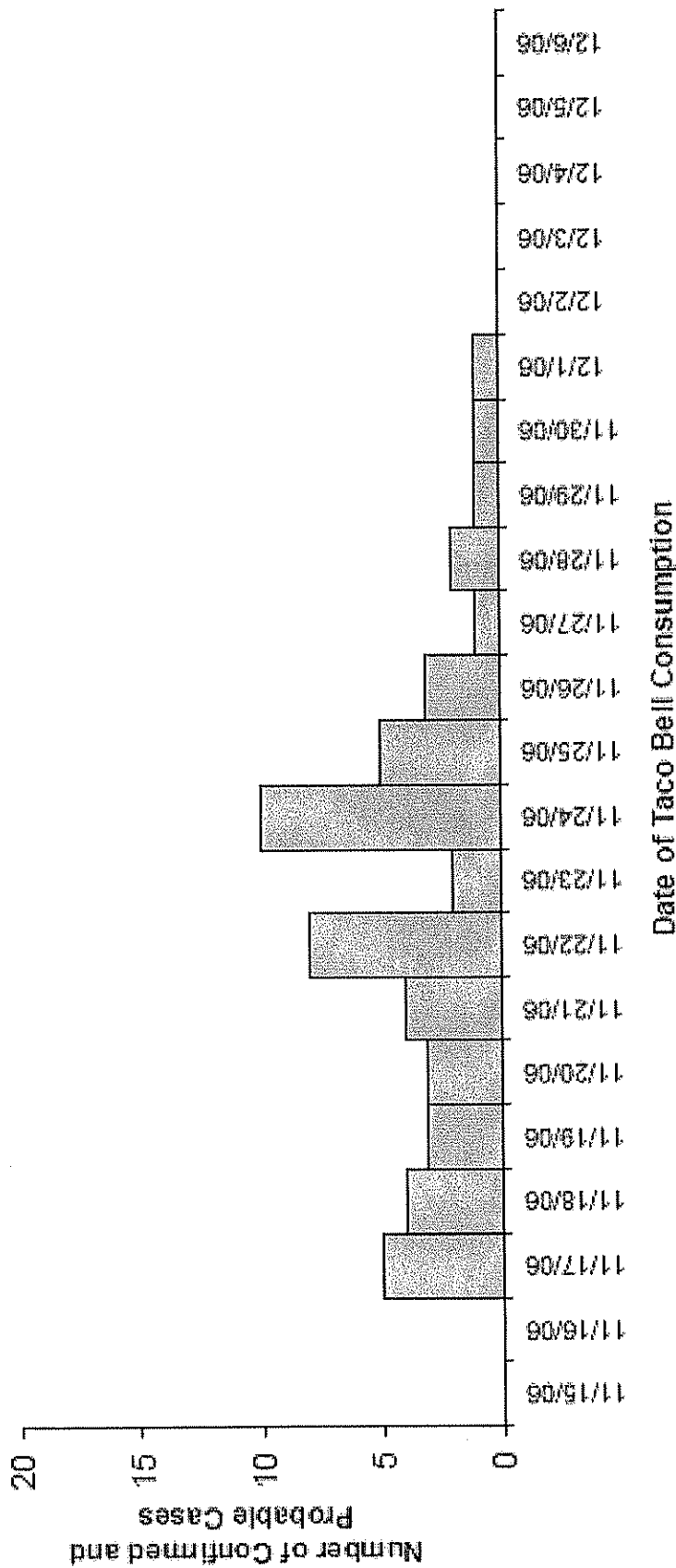
*53 probable and confirmed cases with reported date of initial symptom onset



- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 7, 2006, 1:00pm EST (N=53*)

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



- Date of Taco Bell consumption range: 11/17/2006 – 12/1/2006

***E. coli* O157:H7 multi-state Outbreak
 1430 Conference Call**

Phil Navin	Marsha Iwamoto	NY FDA
Clint Matthews	David Warnock	Nassau Co DOH
Chris Braden	Arthur (CFSAN)	NY DOH
Jerri Johnson	Robin	Sarah (NCEH)
Kristen (NY)	Marlow (NY)	Arthur Williams (NY)
Ellen Morrison (FDA)	Michelle Melowbase (NJ)	Eddie Bres_?(NJ)
Stan Reynolds, PA DOH	Philadelphia, PA DOH	Montgomery Co. DOH (PA)
Sue Shore (DE)	Female, CT DOH	FDA EOC
David Goldman (USDA)	Lt. Chen HHS/SOC	Delaware – PH Epi
NJ FDA	NJ – DOH	NJ- ??
PA – DOH	PA- FDA Philadelphia	PA- State Lab
CT DOH	Montgomery Co. DOH (PA)	SC- (none)
UT – Local DOH	UT- Ag Labs	Rob Tauxe
CT DOH (Pat Misshar)	CA – FDA Los Angeles	FDA EOC
FDA CSFAN	USDA FSIS	

E. coli Update, Case Counts - Chris Braden

As of 1:00 p.m. EDT December 8, 2006

192 cases total, 7 states (CT, DE, NJ, NY, PA, SC, UT)

State	Confirmed	Probable	Suspect
CT			2
DE	2		2
NJ	8	20	19
NY	6	15	110
PA	1	8	59
SC		1	
UT		1	
Totals:	17	45	192

Confirmed cases / Probable cases / Suspected cases

Demographics:

- o November 20 to December 2
- o Peak was 11/24, but now peak is shifted to 11/27
- o Median age: 17 (preponderance of males)
- o Hospitalizations - 49 (78%)
- o HUS - 7
- o No deaths reported

Updates from States

- NY
 - 11/19 – 11/27, 15 hospitalizations (51%), confirmed/ prob HUS = 2 (17%)
 - Latest onset is 12/6
 - Two other exposures in Nassau County from another Mexican restaurant
 - Connected or not? Unknown at this time

- NJ
 - Have not identified any other restaurants
 - Latest onset date is 12/6
 - 4 new suspect cases, onset dates were 12/3 and 12/5
 - Two PFGE outbreak pattern matches (one enzyme), with unknown food history
 - Isolate 602554, onset 11/26
 - Isolate 602491, onset 11/22
 - Interviewed people – no history of eating at Taco Bell (persons not related)
 - No other Yum Foods restaurant implicated
 - PFGE one enzyme match for VA resident (ate in NJ) -- no history on person
 - NJ (Michelle) sharing info with Taco Bell on culture confirmed cases.

- PA
 - One confirmed case, exposure in Philadelphia, resides in MA (female student) -- PA will count this case, not MA (decision made between both states)
 - 26 of total ate at Taco Bell in Montgomery Co.
 - Peak is 12/5 for 17 suspected cases
 - Five have one day onsets
 - 8 of those have cultures pending
 - seven cases for 12/6 ??, one case for 12/7

- DE
 - Two confirmed cases, one PFGE match (is a Taco Bell case)
 - Two suspect cases, one is positive with onset of 12/7
 - One is culture negative and Shiga Toxin neg.

- CT
 - Still have two suspect cases trying to get cultures on

- UT
 - Male suspect ate at Taco Bell in CA and UT (USAF base), admitted to hosp in NV
 - Hoping to have final PFGE results by 12/11
 - have culture positive on O157
 - CDC has requested isolate data from NV state lab
- SC
 - Person ate at Taco Bell in PA (unknown if restaurant has been implicated)
- OH
 - Case does not have PFGE match
 - Ate at Taco Bell in Ohio
 - CDC to follow up

Epidemiological Investigation Plans:

- Identify the specific menu items (Iwamoto)
 - To date, 23 confirmed/probable cases involved
 - 19 controls interviewed
 - 1 enrolled control at CDC to identify restaurant
 - Interview teams in states and at CDC for over the weekend
 - Have begun coding for plans analysis
 - NY (Deana Holfer?) on case control study:
 - Working on control interviews
 - Will be faxing completed forms by cob today
 - Several cases do not have dining companions (no meal companion controls)
 - CA (Charlotte Wheeler)
 - Have one probable case which will be reported tomorrow
 - Will probables start being posted? Martha Iwamoto will call you offline to collect info
 - PA (Ty) has one outstanding control, all others have been sent to CDC
 - NJ (Samir) have 3-4 controls still to interview

Laboratory Updates:

- Peter – as of 1300 today, no big change
- Have not received confirmation on 3 cultures from NY
- 11 confirmed cases from NJ
- 1 PA confirmation is from MA
- 1 confirmation from VA
- All are matched by two enzymes
- DE examined 20 samples from a Taco Bell in Wilmington – all negative so far

- PA
 - 70 specimens, 2 have suspicious PCR, but not positive
 - One plate has suspicious colony (all from tomatoes)
- FDA has received 12 broths from certified labs.
- NY confirmed positive on green onions samples
 - Shiga Toxin type 1 and type 2
 - Positive growth
 - PFGE to be set up on those isolates
 - All six confirmed from NY state are Shiga Toxin type 1 and type 2
 - All green onions from packaged Taco Bell in Hempstead, NY positive (was actually out in the open food line) in Nassau Co.
 - Cheese on same food line was negative
 - Testing unopened packages on tomatoes, lettuce, and cheeses – all negative on PCR and culture so far
 - All bio-chemicals set up (will be available tomorrow morning)
- 11 confirmed NJ cases

Interventions:

- Does Yum Foods have plans for interventions around their food sources?
 - In addition to removing green onions from their restaurants, they will be switching to different distributors and suppliers
- Yum Foods has requested from CDC to distribute their plans to the entire working group. This request does not require CDC to endorse their decisions at all.
- States interventions:
 - NY – field health departments
 - Taco Bell not completely following what Yum Foods is requiring about removing green onions (locations: various counties throughout the state)
 - NJ – Food and Drug safety at McLane Food Distribution Center (Carrollton, TX) and Ready Pak Processing Center (Florence, NJ) to review sanitation. Also serving health departments on the status on remediation efforts with Taco Bell.
 - PA – Butts Co in Philadelphia has closed all Taco Bells stores for 24 hours to thoroughly clean and sanitize.

Communications and Press Coordination:

- MMWR? Dispatch to be released sometime next week to clarify information.
 - Can the group put together some information for the dispatch to be released next week? Yes
- Suffolk Co, NY to give press release today
- NYC to also give press release today
- CA to give a press release about the one probable case (just talking points in case they are contacted) CDC wants it to be held for now since it's not included in the case count. CA will wait until tomorrow.

- UT with probable case (have relayed to the media that it is a suspect case). Since this case ate at Taco Bell in CA, just know that there might be a greater media focus.
- Wording on press releases from CDC, FDA, and states needs to be consistent. All state labs should come together for wording to be released to the public (there will be a discussion of this offline)
- David Acheson (FDA) – to date, we do not have an isolate from produce that matches the outbreak strain (this statement to be released to the public)
 - These results are still preliminary and non-conclusive. We still do not know that green onions are the source.
 - The specific vehicle for the outbreak still has not been determined.
- Need to have positive PFGE pattern before making a confirmation to equate it to *E. coli* O157:H7.
- Update on Yum Brands contracted Lab
 - FDA spoke with them, this morning Yum Foods had 6 presumptive positive tests on green onions
 - First confirmation should be available some time tomorrow.
- Sharing info with Taco Bell Company
 - They have requested to know about any other restaurants implicated. (to coordinate with local enforcement)

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

General Information

- Case Control Study calls began last night with 19 interviews completed and will continue today and through the weekend until complete.
- Yum Foods is going to change suppliers and will no longer be using Ready Pac.
- Analysis by PulseNet identified the outbreak pattern (PFGE XbaI pattern EXHX01.1486 and BlnI pattern EXHA26.0015). This pattern combination is new to the PulseNet database. The PulseNet database identified 12 isolates matching this pattern by at least the first enzyme from persons who ate at Taco Bell.

E. coli Update

- There are 62 confirmed and probable cases in six states
 - DE - 2
 - NJ - 28
 - NY - 28
 - PA - 9
 - SC - 1
 - UT - 1
- There are 192 suspect cases in seven states (CT, DE, NJ, NY, PA, SC and UT)
- Demographics (mainly adult males)
 - 17 confirmed cases
 - 45 probable cases
 - 192 suspect cases
 - 49 cases with hospitalization (78%)
 - 7 cases with HUS (12%)
 - No deaths reported

FDA Update

- To date, do not have an isolate from produce that matches the outbreak strain.
- FDA conducted a 1300 conference call with all 50 states today.
- FDA received laboratory information from Taco Bell labs today.
- FDA received samples of vegetable and testing will start today.
- FDA Office of Criminal Investigation does not believe this to be a criminal act.

Media Update

- CDC Media Relations is tracking over 900 related stories.
- CDC DEOC has received 13 media calls.
- Media stories are placing strong emphasis on green onions.
- Media stories are focusing on Florence, NJ food distributor (Ready Pac).

**E. Coli Outbreak, Multi-State
Inter-Agency ConCall Minutes
08 December 2006 1400 EST**

Present: NY, NJ, PA, CT, CA, FDA EOC, USDA SSIS, HHS OPHEP/SOC

Total Cases from CDC:

CT: 2 suspect

DE: 2 confirmed, 2 suspect

NJ: 8 confirmed, 20 probable, 19 suspect

NY: 6 confirmed, 15 probable, 110 suspect

PA: 1 confirmed, 8 probable, 59 suspect

SC: 1 probable

UT: 1 probable

State Information:

6 states have probable or confirmed cases. CT is suspect only.

NY: onset for confirmed and probable cases is from 11/19 to 11/27; latest onset for suspect cases is 12/6. 71% are hospitalized. One suspect case ate at a Mexican restaurant not associated with Taco Bell.

NJ: 40 suspect cases yesterday with latest onset 12/5. 2 PFGE matches (1 enzyme) have no Taco Bell history. These individuals are not related to each other and have no Yum Brand restaurant visits in their history. 1 PFGE match found in VA was actually from NJ.

PA: 1 HUS case. 26 of their total cases ate at 1 Taco Bell. Epi curve peak was 12/5; suspect cases have onset as recent as 12/7.

DE: All cases are Taco Bell; most recent suspect case had onset of 12/7.

CT: no new information.

UT: the only probable case ate at a Taco Bell in CA, became ill and visited a hospital in NV, then went home to UT. This patient also ate at a TacoBell in UT. This case was culture confirmed and the PFGE is pending.

SC: 1 probable case is a SC resident, but ate at Taco Bell in PA.

* *New info: OH: 1 probable case with PFGE pending.

** States should share their info on affected Taco Bell locations with CDC so Taco Bell HQ can take follow up action.

EPI:

Case control interviews and analysis in NJ and PA will be conducted through the weekend; 20 confirmed and probable cases and 19 case controls are enrolled. NY is also interviewing cases and controls.

As of 0100 EST, 11 confirmed cases are matched by 2 enzymes. Samples of a variety of food from Taco Bells show 3 abnormal specimens from tomatoes.

All 6 cases from NY have shiga toxin I. Nassau County confirmed 0157 that contains shiga toxin I and II. PFGE is being set up on both isolates; results should be in by Monday. NY unopened packages of tomatoes, lettuce, and cheeses from Taco Bells were tested and are all negative by PCR and culture. 12 samples of green onions from opened bags are being tested and are still negative.

Biochemical testing is being set up now. CDC called Yum Brands to let them know of a presumptive positive. States will coordinate to determine wording of lab/investigation results to the public so far.

Yum Brands had 6 presumptive positive tests; the soonest availability of confirmation is Saturday, 12/09/06.

PFGE on isolate will be complete late Sunday.

Press and Communications:

CDC is pulling together language for a MMWR dispatch communication, which is a rapidly released article that reaches a broader audience that using multiple press releases.



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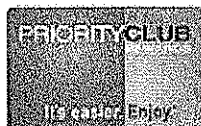
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Guest Information

ELIZABETH BLANTON
 1446 Catherine Street
 Atlanta, GA 30030
 United States
 4046394638
 eblanton@cdc.gov

Additional Guests

No additional guests.

Hotel Information

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 NAIROBI, 00100
 KENYA
 LOCAL PHONE: 254-20-3200000

[Map/Driv](#)
[Ar](#)
[Make Anothe](#)

Check-In Date: **Mon 12 Feb 2007**
 Check-Out Date: **Tue 13 Feb 2007**

Driving Directions:

FROM AIRPORT TO HOTEL: TAKE UHURU HIGHWAY WESTBOUND IN THE DIRE THE CITY. DISTANCE IS 16 KM. HOTEL IS VISIBLE ON THE RIGHT SIDE AFTER T ROUNDABOUT.

Room and Rate Information

Rate Type: Government/Military Rate-US
Tax: 18% per night not included in rate effective 12 February thru 13 February, 2007
 16PCT VALUE ADDED TAX PLUS 2PCT TRAINING LEVY TAX
Service Charge: 10% per night not included in rate effective 12 February thru 13 February, 2007
Daily Parking Fee: 24.0 (KES)
Rate Rules: ID Required
Room Type: SUPERIOR ROOM
Number of Rooms: 1
Number of Nights: 1
Person(s): 1 ADULT(S), 0 CHILD(REN)
Check-in Time: 12:00 PM
Check-out Time: 11:00 AM

Sun	Mon	Tue	Wed	Thu	Fri
				Feb 1	2
4	5	6	7	8	9
11	\$140.00	12	13	14	15
18	19	20	21	22	23
25	26	27	28		

Mon 12 Feb 2007 \$140.00 per night (1)
 Total Hotel Service Charges † \$140.00
 Total Tax † \$29.90
Estimated Total Price †: \$179.90

Modify or Cancel Policy: If you need to modify or cancel your reservation, please do so before 6:00 PM (local hotel time) on Monday, 12 Feb 2007 or your credit card will be billed for the first night tax.

[Modify Reservation](#)

[Duplicate Reser](#)

[Make Another Reservation](#)

Please Note: Only the reservation as entered into and confirmed by our system will be honored. Any printed confirmation that has been altered may be rejected by the hotel.

As exchange rates may fluctuate from the time a reservation is made until the actual confirmed rate is guaranteed in the hotel's base currency.

† As taxes and service charges may fluctuate from the time a reservation is made until stay and during the actual stay, the Total Price is an estimate. Other hotel-specific fees may also apply. Check with hotel for details. Additional taxes may apply for hotels in Tokyo, Japan that exceeds 10,000JPY/person per stay.



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Ecoli, EOC (CDC)

From: IMS JIC Lead (CDC)
Sent: Friday, December 08, 2006 4:20 PM
To: IMS Incident Action Plan (CDC)
Cc: IMS JIC Community Outreach/Education (CDC); Daigle, David (CDC/CCID/NCZVED); Roebuck, Von (CDC/OD/OEC); Williams, Gail (CDC/CCHIS/NCHM); Clark, David W. (CDC/CCHIS/NCHM); Ecoli, EOC (CDC); IMS JIC Lead (CDC)
Subject: FW: E. coli Report for Friday, December 8

Attachments: Picture (Metafile); Picture (Metafile); Picture (Metafile); Picture (Metafile)

**Updates of activities submitted from the JIC:
Report current as of 3pm December 8, 2006**

Web Team Activities:

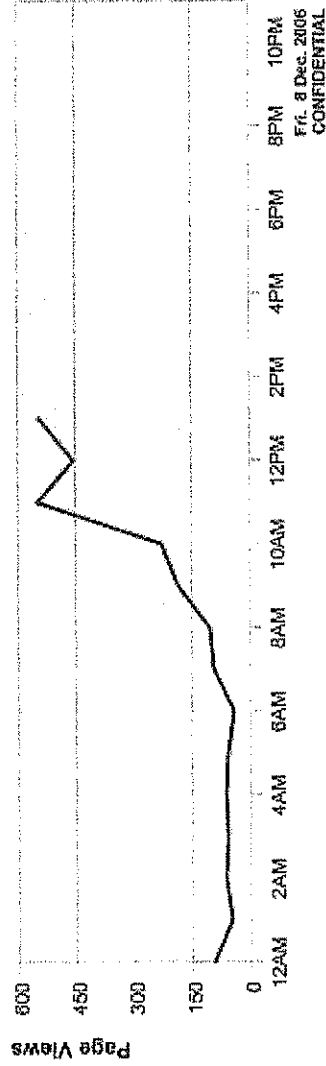
Postings on CDC E. coli website, December 8 (as of 2:45 PM):

- [Current Situation Q&A's \(http://www.cdc.gov/ecoli/2006/december/qa_dec.htm\)](http://www.cdc.gov/ecoli/2006/december/qa_dec.htm)

Total traffic on all E. coli-related pages on CDC website, December 8 (as of 2:30 PM):

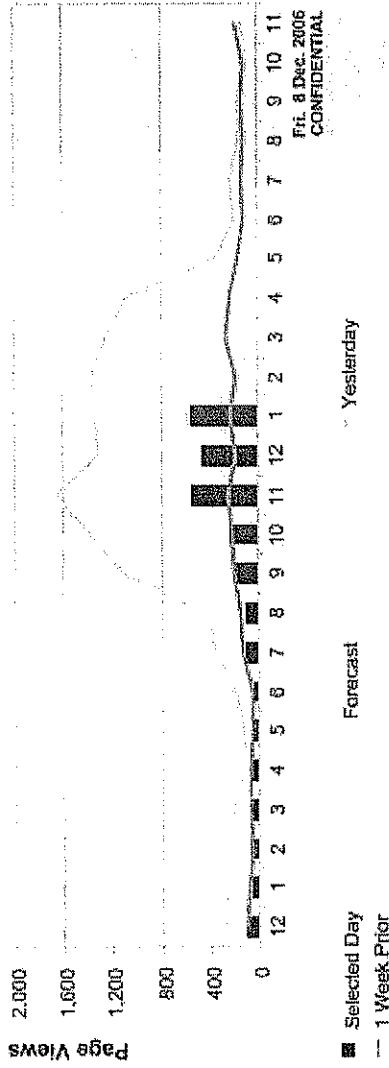
- Total: 3,056 views
- Final total for yesterday: 14,054 views
- There is a significant drop in traffic today compared to yesterday

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

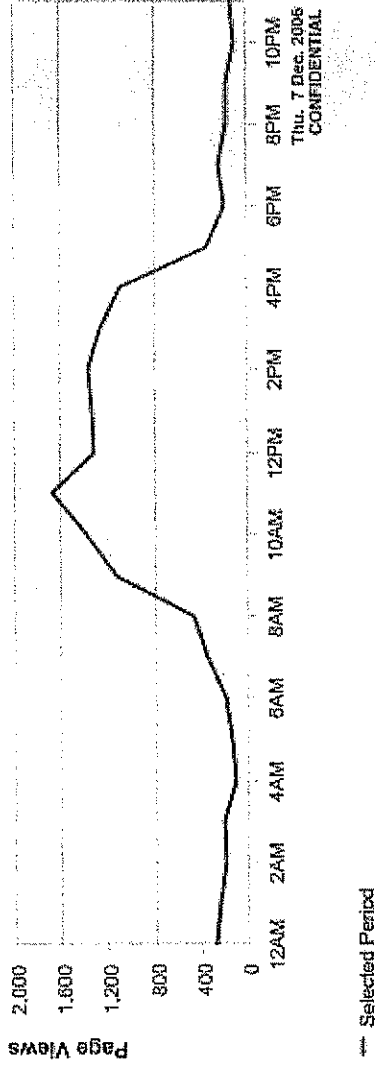


Selected Period

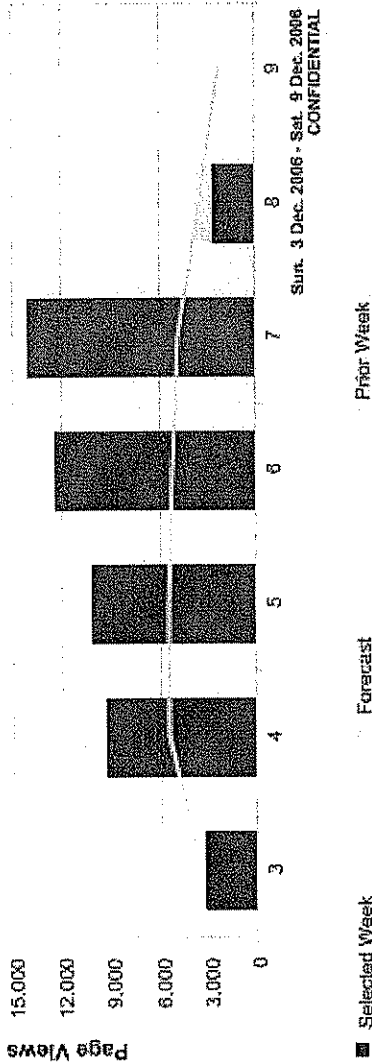
Graph of traffic on all -E. coli-related webpages today compared with yesterday and 1 week prior:



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



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



Information Management Activities:

- Worked with CHET to send plain language E. coli fact sheet through clearance (clearance in progress).
- Worked with NCZVED and FDA to post links for food handlers on our site.
- Edited and cleared talking points and sent to appropriate staff.
- Corrected information on E. coli spinach outbreak site (incorrect numbers posted)
- Worked with NCZVED to get E. coli fact sheet for clinicians cleared (clearance in progress).

Clinician Team Activities:

Below are the e. coli clinician inquiry numbers:

- COCA/Registry emails (for 12/8): **0**
- CDC INFO phone calls (for 12/7): **13**
- CDC INFO tier 1 and 2 emails (for 12/7): **1**
- CDC INFO tier 3 escalated emails (for 12/8): **2**

Community Health Education Team Activities:

- Disseminated situational update to SOPHE (Society of Public Health Education) that will reach 1700 state and local health educators. This message will also be distributed via SOPHE to the coalition of National Health Education Organizations member (30,000).
- Sent forward the following documents to multi-lingual services for translation:
- Update on current outbreak <http://www.cdc.gov/ecoli/2006/december/120706.htm>

- Current Situation Q&A's http://www.cdc.gov/ecoli/2006/december/ga_dec.htm
- Sent forward the Current Situation Q&A's to Clear and Cultural Communications (CCC) for a plain language format
- Collaborated with IMT to sent plain language E.coli factsheet through appropriate clearance channels--clearance in progress.
- Assisting the research team with its Media monitoring task by reviewing about 30 articles from local, network and cable television as well as newspapers and news websites to assess the kind of information that is being circulated regarding the current E. coli outbreak.

Pending:

Forwarded translated and plain language materials to web team, as they become available, for posting on the web
 Disseminate situation update to FBO, CBO and other immediate external partners.

Research Team (Media):

A. Daily

- 1) # media stories for past 24 hours is 898= Google News
- 2) Daily Update on Media Themes
 The following themes were observed in media headlines appearing on 12.07.06. News reports may not reflect findings of the investigation.
 Headline Themes for 12.07.06
 * green onions may be the source of the outbreak (Taco Bell stops serving green onions)
 "Taco Bell stops serving green onions after E. coli outbreak" Chicago Tribune
 * the outbreak has resulted in food safety concerns or calls for more food safety guidelines "Renewed safety concerns over fresh produce; The latest E. coli outbreak is forcing government and industry to reevaluate the U.S. supply chain for fruits and vegetables" The Philadelphia Inquirer
 * Taco Bell restaurants close after outbreak
 "15 Taco Bells in city close in E.coli outbreak" Philadelphia Daily News
 * outbreak has been traced to three states "Taco Bell Removes Green Onions; E. Coli Outbreak Traced to 3 States" The Washington Post

B. ECB Data-- Week in View:

Date	Media Inquiries	CDCInfo Calls	CDCInfo Emails	COCA Emails	Webhits	Media Stories	Date
12/5	5	5	3	1	10,109	621	12/5

12/6	17	12	2	0	12,404	932	12/6
12/7		13	3	0	14,054	898	12/7

Gail Williams Acting Lead, Joint Information Center
CDC Director's Emergency Operations Center
eocjicleadership@cdc.gov

gdw5@cdc.gov

(404) 553-7533/ 404-259-2863 cell

[Print This Page](#)

Your Confirmation Number is 68865207

Guest Information

ELIZABETH BLANTON
1446 Catherine Street
Atlanta, GA 30030
United States
4046394638
eblanton@cdc.gov

Additional Guests

No additional guests.

Hotel Information

NAIROBI
InterContinental
CITY HALL WAY
NAIROBI, 00100
KENYA
LOCAL PHONE: 254-20-3200000

[Map/Driving Directions](#)
[Area Attractions](#)
[Make Another Reservation](#)

Check-In Date: **Mon 12 Feb 2007**
Check-Out Date: **Tue 13 Feb 2007**

Driving Directions:
FROM AIRPORT TO HOTEL: TAKE UHURU HIGHWAY WESTBOUND IN THE DIRECTION OF THE CITY. DISTANCE IS 16 KM. HOTEL IS VISIBLE ON THE RIGHT SIDE AFTER THE THIRD ROUNDABOUT.

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16PCT VALUE ADDED TAX PLUS 2PCT TRAINING LEVY TAX

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Daily Parking Fée: 24.0 (KES)

Rate Rules: ID Required

Room Type: SUPERIOR ROOM

Number of Rooms: 1

Number of Nights: 1

Person(s): 1 ADULT(S), 0 CHILD(REN)

Check-in Time: 12:00 PM

Check-out Time: 11:00 AM

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				Feb 1	2	3
4	5	6	7	8	9	10
11	\$140.00	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

Mon 12 Feb 2007 \$140.00 USD
per night (1 room(s))

Total Hotel Service Charges † \$14.00 USD

Total Tax † \$25.20 USD

Estimated Total Price †: **\$179.20 USD**

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

Updated numbers for
Friday, December 8, 2006

Information for internal use only

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 8, 2006, 12:00pm EST

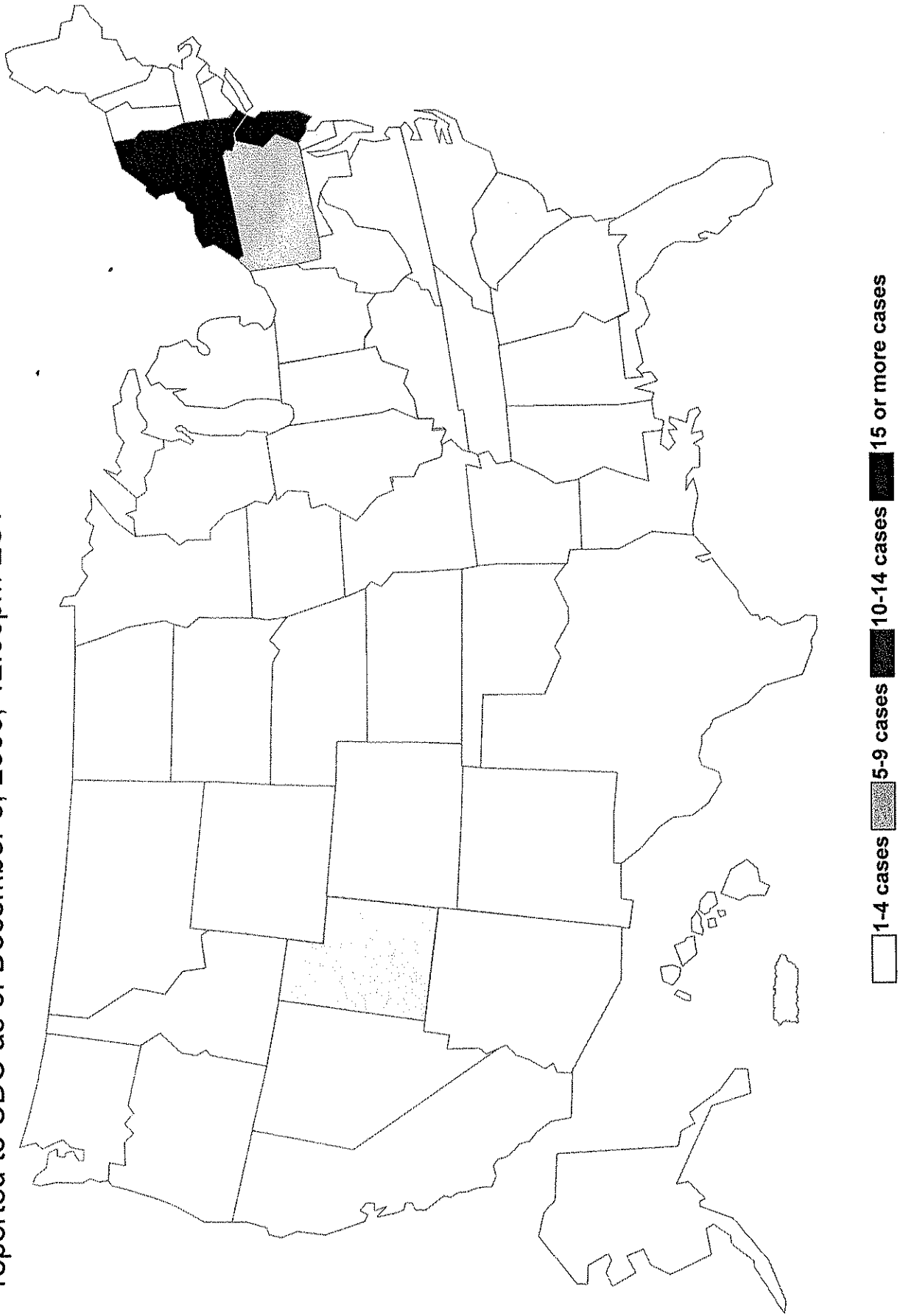


Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 8, 2006, 12:00pm EST

Demographics	
Age in years, range (median)	4-61 (17)
Age Categories, N=58 (%)	
< 5 years	1 (2)
5 - 17 years	31 (53)
18 - 59 years	24 (41)
> 59 years	2 (3)
Gender, 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 8, 2006, 12:00pm EST

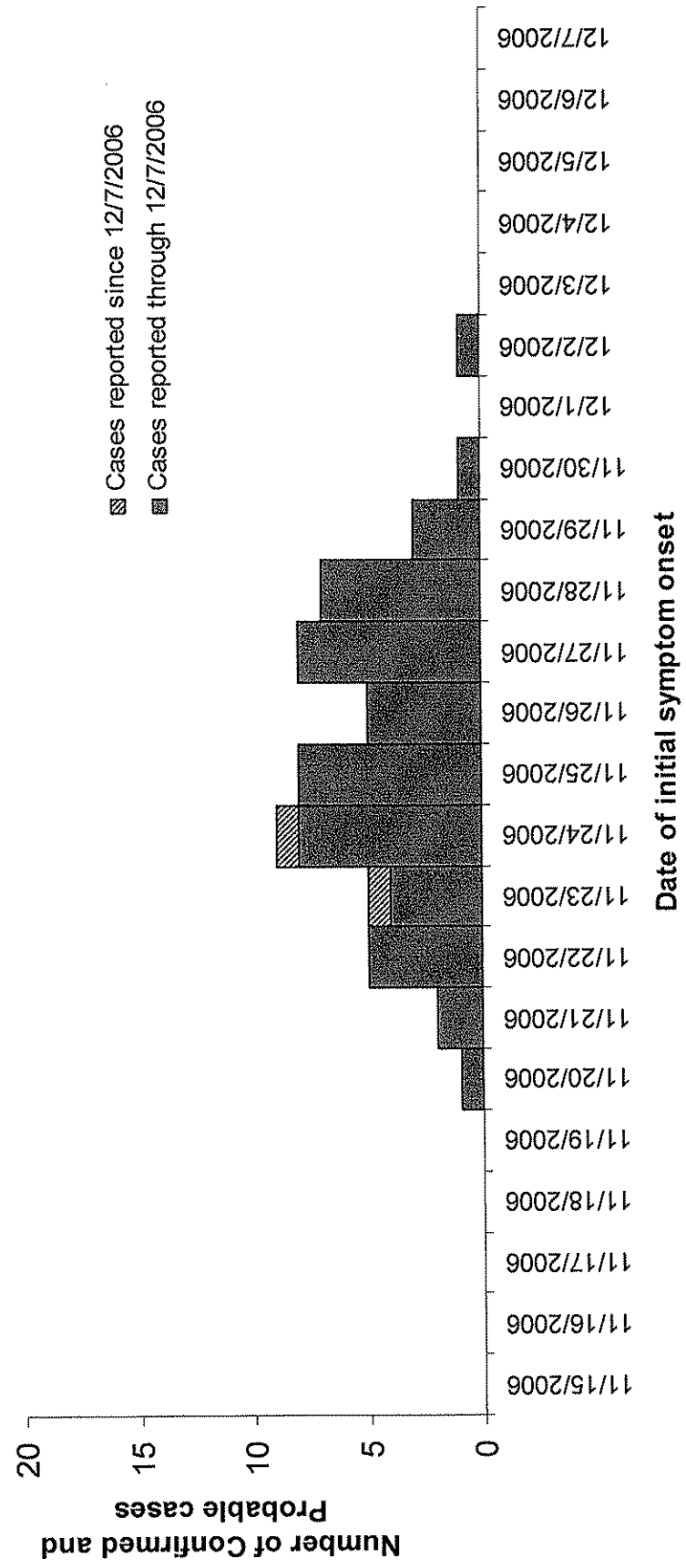
Outcome, N=63	n (%)
Hospitalized	49 (78)
HUS	7 (11)
Death	0 (0)

HUS Cases, N=7	
Median age (years)	11
Range (years)	5-51

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

Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 8, 2006, 12:00pm EST (N=55*)

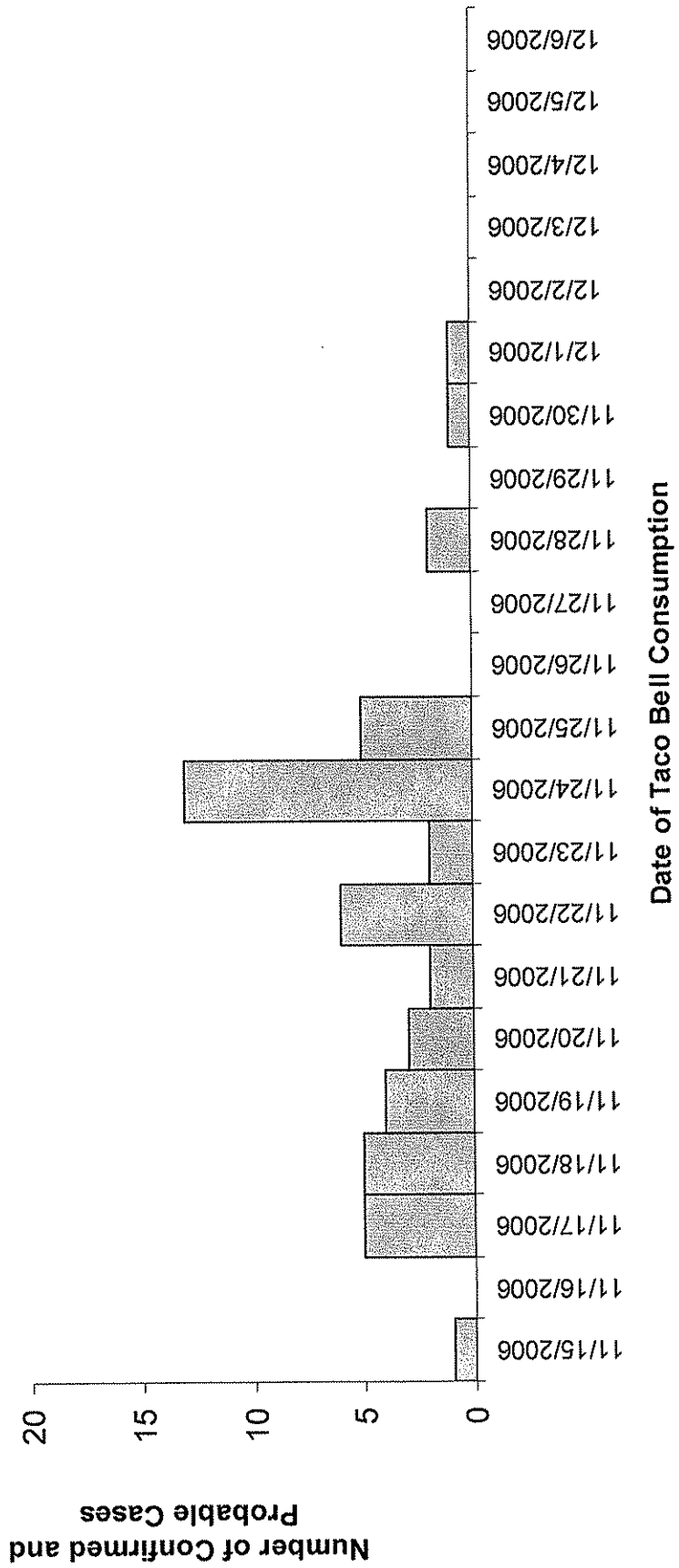
*55 probable and confirmed cases with reported date of initial symptom onset



- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 8, 2006, 12:00pm EST (N=50*)

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



- Date of Taco Bell consumption range: 11/15/2006 – 12/1/2006

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

General Information

- Case Control Study calls began last night with 19 interviews completed and will continue today and through the weekend until complete.
- Yum Foods is going to change suppliers and will no longer be using ReadyPack.
- Analysis by PulseNet identified the outbreak pattern (PFGE XbaI pattern EXHX01.1486 and BlnI pattern EXHA26.0015). This pattern combination is new to the PulseNet database. The PulseNet database identified 12 isolates matching this pattern by at least the first enzyme from persons who ate at Taco Bell.

E. coli Update

- There are 58 confirmed and probable cases in six states
 - DE - 1
 - NJ - 28
 - NY - 19
 - PA - 8
 - SC - 1
 - UT - 1
- There are 125 suspect cases in seven states (CT, DE, NJ, NY, PA, SC and UT)
- Demographics (mainly adult males)
 - 12 confirmed cases
 - 46 probable cases
 - 125 suspect cases
 - 48 cases with hospitalization (83%)
 - 7 cases with HUS (12%)
 - No deaths reported

FDA Update

- FDA will conduct a 1300 conference call with all 50 states today.
- FDA is receiving laboratory information from Taco Bell labs today.
- FDA is receiving samples of vegetable and testing will start today.
- FDA Office of Criminal Investigation does not believe this to be a criminal act.

Media Update

- CDC Media relations is tracking over 900 related stories.
- CDC DEOC has received 13 media calls.
- Media stories are placing strong emphasis on green onions.
- Media stories are focusing on TX food distributor (ReadyPack).

0830 CDC Internal Meeting- Exec Conf Room

Phil Navin	Gail Williams	Bruce Burney
Clint Matthews	David Warnock	Rob Tauxe
Chris Braden	Capt. O'Connor	Patty Griffin
Karen Deasy	Peter Gerner-Smidt	

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 – Yum Foods changing their supplier and distribution center(s)
- FDA participating in call with Yum Foods – has CDC given this type of advice and recommendations before? (new territory)
- Yum Foods wants CDC our opinion
- Affecting all produce and cheese (Taco Bell)
- Bob Brackett (has made a business decision on our part)
- Yum Brands requesting that if CDC gets information about affected states, they want to hear it from us first before they get it from the press.
- Ready Pack Supplier (Texas)
- PulseNET:
 - NJ-7 (including one food handler which is confirmed case)
 - NYS-3
 - DE-2
 - MA-1
 - VA-1
- What is consistent with FDA food code? (basis is around 1993) To address the food distributor issue (code is a guidance – states and locals to make good judgment calls?) CDC does not want to advise states and locals to follow the code to “the letter of the law”
 - Karen – food code is modified annually and adopted by states, then becomes regulation in those locations. Even if FDA has newer code, states are still bound by previously local adopted code.
 - Most states have not adopted code, and are utilizing standards for food workers from 1993 code.
 - CDC will base recommendations on most current food code (2005?)
- Case Control Study:
 - 19 total cases, 19 controls interviewed
 - NJ has asked CDC to interview all controls
 - NY working on controls, awaiting info from locals

- FDA (Pat McCarthy) would like to participate in the food controls with CDC (clear with Alan Morrison)
- Epi-Aid
 - Travel to Oxnard, CA (requires request from state)
- Today's activities:
 - Epidemiological studies on green onions (PFGE)
 - FDA has asked Yum Foods to send their samples to FDA northeast lab. Fingerprinting will be done there. CDC will track the food isolates.
 - Still at 2 presumptive positives? Combination is new (unique fingerprint) First enzyme has only been seen 20 times in the past (PulseNET)
 - Someone to follow up on MA, SC, UT, VA samples
 - Congressional staffer follow up (Edith Holleman)
 - Find out who Yum Foods should be talking to at FDA and CDC.
 - Peak is now 11/24 or 11/27 (peak has shifted from yesterday) looks like peak is now 11/27 (125 cases being investigated)
 - Need to get case control study completed this weekend
 - Need to identify personnel who can make the case control study calls over the weekend.
 - Deasy and Liang to figure out source supplier and distribution from Yum Foods. Contact from Yum Foods is coming to FDA today.
 - Case counts now to be ready by 12 noon daily
 - Afternoon Conference call now changed to 1400 instead of 1430

Media Inquiries

- Website update? Didn't go out until after 2200 last night
- Asking that web updates not put last (no delay of 2 hrs)
- CDC has duty to get information onto the website quickly (20 minutes?)
- Initially, website servers refreshed every 2 hours – has now been set to refresh every 30 minutes
- Gail (ECS) – will correct some glitches in the system (some emails went to personal emails instead of JIC email) Needs to go to cdcwebteam@cdc.gov
- JIC is activated for the weekend
- Clearance is Braden/Warnock, then Liang, then by the center (author who generated the document). Then cleared document is sent to Nathan or Julie (ECS/JIC) for posting on the website.
- CDC and FDA press people (CDC is Dave Daigle)

Congressional

- Nothing to report

Plans Update

- Nothing to report

Ops Update

- Still here to support AAR.

HHS/FDA/CDC/USDA Call 0930

Bruce Burney	David Warnock	Keith Holterman
Capt. O'Connor	Gail Williams	Clint Matthews
Karen Deasy (FDA)	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)
Elizabeth Hagen (FDA FSIS)		

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

- Braden – case counts are consistent with the agreed upon new case definitions with CDC/FDA/Affected states
- 58 cases meeting definition (confirmed and probable)
 - 6 states
 - DE – 1
 - NJ – 28
 - NY – 19
 - PA – 8
 - SC – 1
 - UT – 1
 - 12 confirmed cases reported
 - 46 probable cases reported
 - 125 suspect cases reported
 - CT – 2 (suspect cases, not meeting case definition)
 - Demographics
- Demographics
 - Median age is 17
 - First onset is 11/20
 - Peak of Epi curve has shifted to the right (ongoing cases)
 - 7 states with suspect cases (includes CT)
 - 48 hospitalized (83%)
 - 7 HUS (12%)
 - no deaths reported

- Warnock – PulseNET update:
 - MA case did visit a Taco Bell
 - 3 NY cases are positive for Shiga Toxin type 2 (Shiga Toxin type 1 and type 2 in both)
- Braden – Epi Update
 - Have not confirmed food implicated (vehicle); however, looking strongly at green onions
 - Staff and reporting rhythm will continue through the weekend
 - States and locals are not looking at any other restaurants other than Taco Bell – main focus is still on foods served at Taco Bell
 - Case count cutoff from states is now moved to noon.
 - States conference calls will now be at 1400 instead of 1430

FDA Update

- FDA EOC
 - 1300 conference call with all 50 states
 - 1330 – Yum Brands to meet with FDA and CFSAN (Center for Food Safety and Nutrition) to present trace back documentation
 - Received samples from Taco Bell labs today. Samples of vegetables received and testing starts today.
 - Lettuce, tomatoes, and cilantro samples from CA to be tested today (no positive sample analysis yet)
 - Do UT and SC cases change anything about distribution?
 - Braden/CDC – they are probable cases (illnesses with O157 and ate at Taco Bell) PFGE patterns not completed yet, unknown if they were travelers to the northeast.
 - FDA Office of Criminal Investigations does not believe this is a criminal act
- REC Region I
 - No input at this time
- REC Region II
 - NY DOH, NJ DOH contacts have nothing of interest to add
 - NJ Office of Emergency Managers does not believe that this is a malicious act
- REC Region III
 - No input at this time

USDA Update

- Dr. Richard Raymond (FDA Undersecretary) present on call
- Have been in contact with Yum Brands (product development in Irvine, CA)
- Will have an investigator in Irvine to look at product supply and distribution information.
- Office of Field Operations will be doing product investigations – looking at meat distributed to Taco Bell from IA

- Waiting for FSIS (Food Safety and Inspection Services) to indicate whether beef or chicken is involved.
- Warnock/CDC -- Individual enzyme patterns rare or uncommon (seen 20 times in 10 years); now have seen 14 patterns in a few days. Combined pattern of two enzymes is new to PulseNET – this is a new strain to the cluster – pattern is unique and is first time they have been seen together.

Media Update

- Media is fixating on green onions, even though they have not been confirmed.
- Williams – ECS is doing media monitoring
 - Have viewed 932 related stories
 - CDC DEOC received 13 media calls
 - Focusing on TX food distributor (ReadyPack)
 - Taco Bell restaurants open but voluntarily removed green onions
 - Dr. Braden was seen on CNN this morning

HHS Update

- Let us know if we can be of any assistance



CDC IAP Number 1: *E. coli* O157 Outbreak

1. Incident Name <i>E. coli</i> O157 Outbreak	2. Operational Period (Date/Time)		3. Documents Attached
	From: 12/07 18:00 Hours EDT To: 12/08 18:00 Hours EDT		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	Ed Rouse	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Chief 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	404-553-7735
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

7. Current Situation/Threats:

Seven states have reported cases to date. Less than half of these cases under investigation have been culture-confirmed infections with *E. coli* O157 to date, and food consumption/restaurant histories are incomplete. Interviews that have been completed for cases under investigation indicate that a very high proportion had eaten at Taco Bell (e.g., 23 of 24 interviewed in NJ had eaten at Taco Bell), and multiple Taco Bell restaurants are involved in each locality. For culture-confirmed cases, illness onsets ranged from 11/20 to 12/02. Other cases under investigation had illness onset as recent as yesterday, 12/6. PFGE information for some case isolates are now available, and PFGE testing on remaining isolates is underway.

E. coli Update, Case Counts as of 1:00pm December 7

183 Confirmed/Probable/Suspect cases total, 7 states*

State	Confirmed Cases Reported	Probable Cases Reported	Suspect Cases Reported
CT	0	0	2
DE	1	0	1
NJ	8	20	15
NY	3	16	84
PA	0	8	23
SC	0	1	0
UT	0	1	0
Total:	12	46	125

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

Hospitalized: 48

Hemolytic Uremic Syndrome (HUS): 7

Deaths: 0



CDC IAP Number 1: *E. coli* O157 Outbreak

8. Planning Assumptions:

1. No known intentional foodborne threats have been identified by intelligence sources.
2. The outbreak vehicle has not been confirmed at this time.
3. The risk to the public is considered ongoing and we expect additional cases to be identified in the coming days.

9. Planning Objectives:

1. Continue to pursue the identification of the food vehicle for the outbreak.
2. Maintain situational awareness of media interest, reports, etc. of outbreak events.
3. Coordinate with FDA and DHHS 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. Initiate case control study interviews in conjunction with the states.

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

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)
Janet Smith, IMS Incident Action Plan



CDC IAP Number 1: *E. coli* O157 Outbreak

INCIDENT BRIEFING	1. Incident Name <i>E. coli</i> O157 Outbreak	2. Date 12/07/06	3. Time 18:00 EDT
--------------------------	---	----------------------------	-----------------------------

4. Map and Epidemiological Data

Table 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 7, 2006, 1:00pm EST

State	Confirmed	Probable	Suspect
CT	0	0	2
DE	1	0	1
NJ	8	20	15
NY	3	16	84
PA	0	8	23
SC	0	1	0
UT	0	1	0
Grand Total	12	46	125

- 7 states reported cases
 - 6 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC, UT)
- 12 confirmed, 46 probable, and 125 suspect cases reported to CDC
 - 13 new confirmed and/or probable cases reported since December 6, 2006



CDC IAP Number 1: *E. coli* O157 Outbreak

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 7, 2006, 1:00pm EST

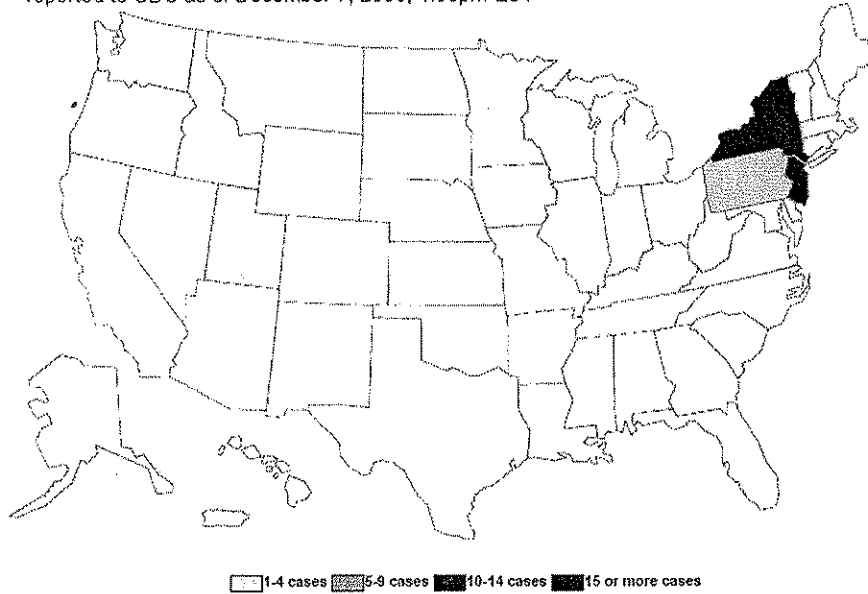


Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

Demographics, N=58	
Age in years, range (median)	4-61 (17)
Age Categories, n (%)	
< 5 years	1 (2)
5 - 17 years	30 (55)
18 - 59 years	22 (40)
> 59 years	2 (4)
Gender, n (%)	
Female	28 (48)
Male	29 (50)

*Percentages may not add to 100 due to missing observations

Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

Outcome, N=58	n (%)
Hospitalized	48 (83)
HUS	7 (12)
Death	0 (0)

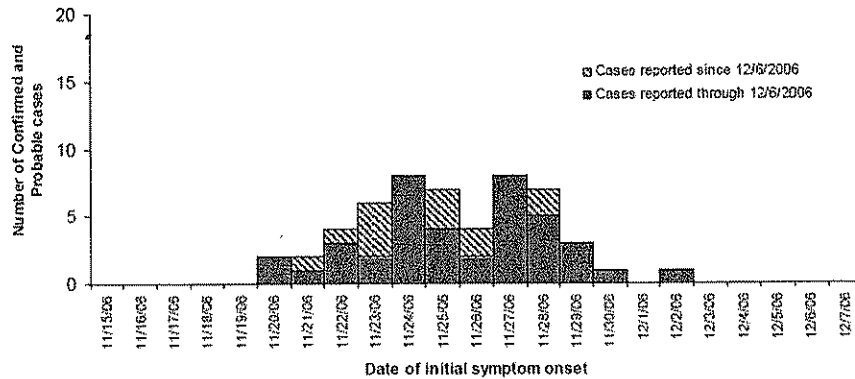
*Cases with missing outcome information were considered to not have outcome



CDC IAP Number 1: *E. coli* O157 Outbreak

Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST (N=53*)

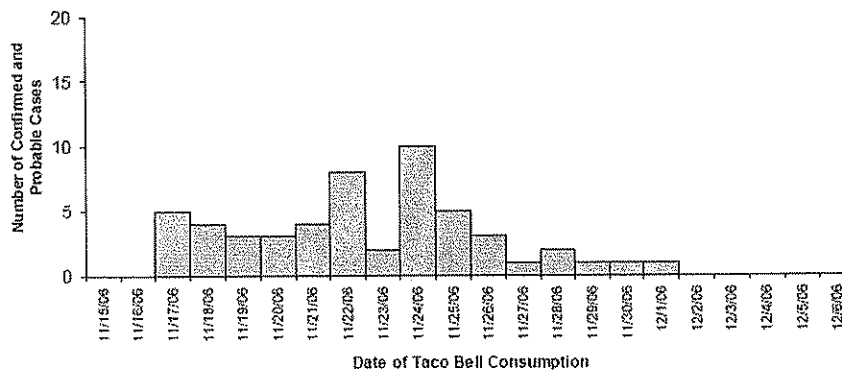
*53 probable and confirmed cases with reported date of initial symptom onset



- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 7, 2006, 1:00pm EST (N=53*)

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

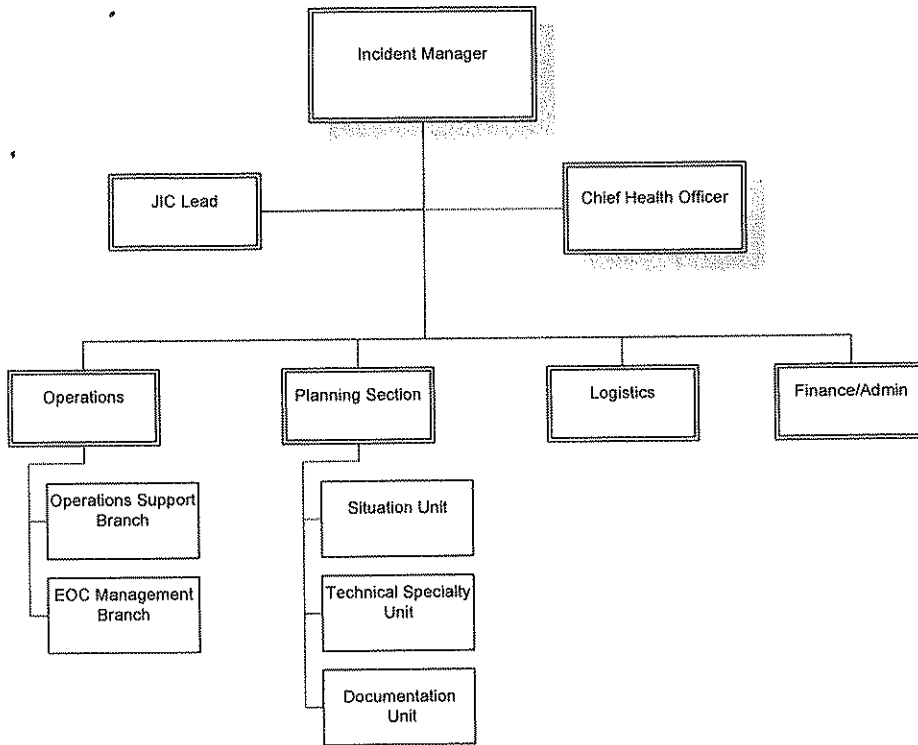


- Date of Taco Bell consumption range: 11/17/2006 – 12/1/2006



CDC IAP Number 1: *E. coli* O157 Outbreak

6. Current Organization



ICS 201 – CDC

6a. PREPARED BY (NAME AND POSITION)
Janet Smith, IMS Incident Action Plan



CDC IAP Number 1: *E. coli* O157 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- CDC has had multiple conference calls to coordinate the response to this outbreak, including individual calls with Yum Brand Foods (Parent company for Taco Bell), and a large conference call with local and state officials, FDA, and the USDA Food Safety Inspection Service (FSIS).
 - Case definitions, epidemiologic study objectives and methods have been established.
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 - Yum! Brands Foods, owner of Taco Bell, has had 2 out of 3 preliminary samples test positive for *E. coli* O157 from open pre-chopped and bagged green onions. Still awaiting positive confirmation from CDC/FDA/State public health laboratories.
 - Yum collected two additional samples, preliminary testing indicated that are also positive for *E. coli*.
 - Taco Bell has voluntarily removed all green onions from all restaurants nationwide.
- CDC subject matter experts, in consultation with local and state health officials and the FDA, have discussed interventions at the affected Taco Bell restaurants with Yum Foods, including but not limited to:
 - Cleaning and sanitizing restaurants
 - Discarding and resupplying restaurant foods
 - Culturing food workers for *E. coli* O157.
 - Enhanced training for food workers in proper food handling and hygiene practices.
 - Implementing interventions 1) and 2) at other Taco Bell restaurants receiving food from the same distributor as affected restaurants has also been discussed.

FDA Activities:

- Obtaining samples of all non-meat items served at Taco Bell that could possibly carry *E. coli* O157.
- Will also be looking at lettuce, cilantro, yellow onions, cheese (cheddar and blended), and tomatoes as suspect food items in addition to green onions in addition to the green onions.
- Food testing is ongoing on greater than 100 samples. Additional information should be available tomorrow.

State Activities:

- All states continue to provide epidemiological surveillance and testing activities.
- States are also crafting public health and risk communication messages for media inquiries, media outlet distribution, and partner/agency communications.
- States continue to identify and report new suspect cases and additional information.
- Continuing case control study interviews.

CDC JIC Report (as of 3:00 pm 12/7/06):

Documents: Editing talking points that were received yesterday from David Daigle. Awaiting comments from ECS team to submit to clearance.

Website:

Postings on CDC *E. coli* website, December 7 (as of 4:00 PM):

- **December 6 Update on Multistate Outbreak of *E. coli* O157 Infection, November-December 2006**
(<http://www.cdc.gov/ecoli/2006/december/120606.htm>)
- **December 7 update going up shortly**

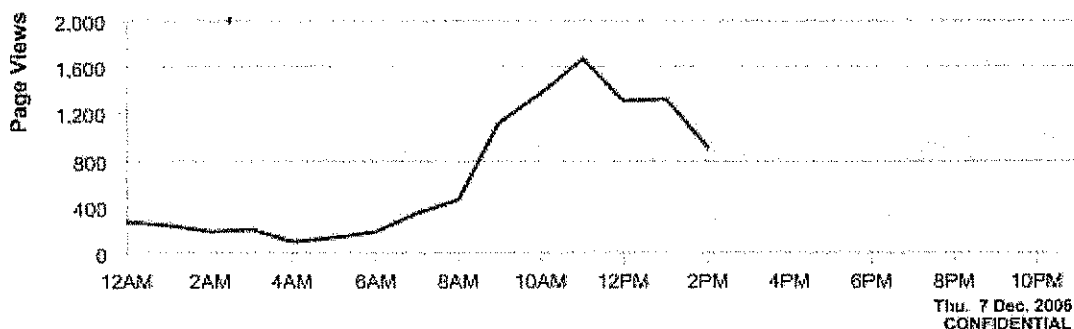


CDC IAP Number 1: *E. coli* O157 Outbreak

Total traffic on all *E. coli*-related pages on CDC website, December 7 (as of 3:10 PM):

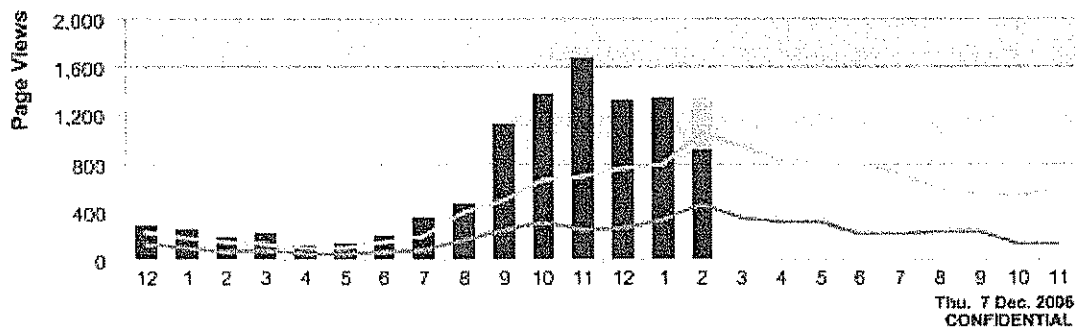
- Total: 10,897 views
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- Current situation update (<http://www.cdc.gov/ecoli/2006/december/120606.htm>): 1,131 views
- Final total for yesterday: 12,404 views

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:



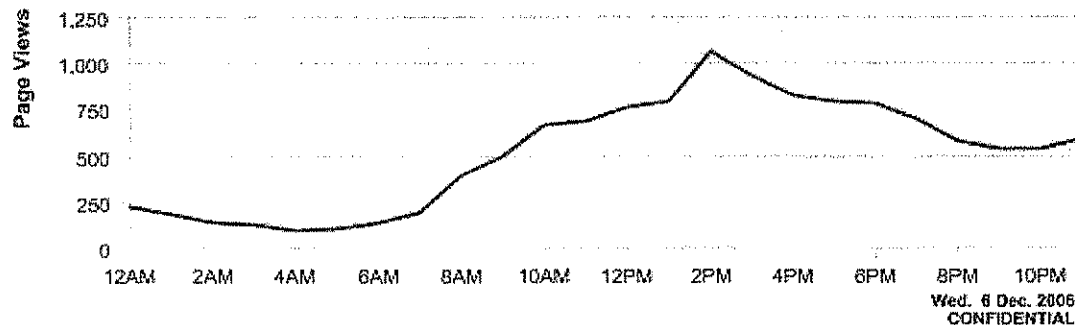
■ Selected Day

Forecast

— Yesterday

--- 1 Week Prior

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

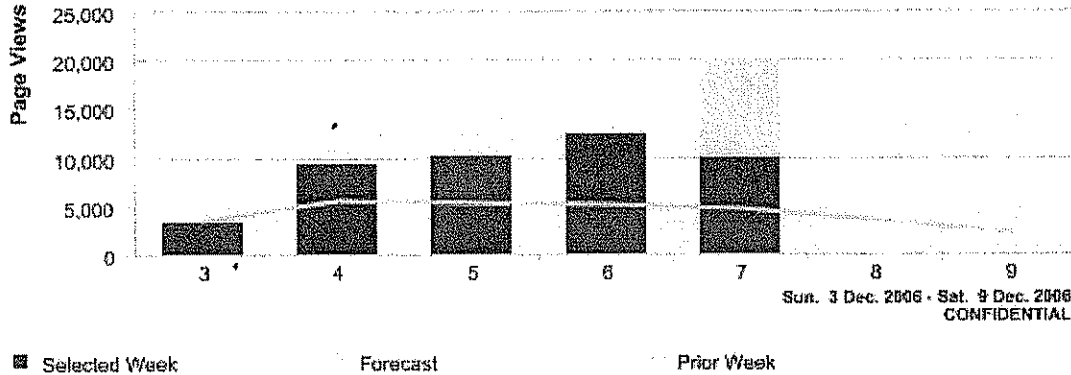


— Selected Period



CDC IAP Number 1: *E. coli* O157 Outbreak

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



Details

Date	Selected Week
1. Dec 3, 2006	3,278
2. Dec 4, 2006	9,315
3. Dec 5, 2006	10,109
4. Dec 6, 2006	12,404
5. Dec 7, 2006	9,907

Translations: Completed translation to Spanish of the document titled: Multistate Outbreak of *E. coli* O157 Infection, November-December 2006 (<http://www.cdc.gov/ecoli/2006/december/120606.htm>). Translation forwarded to the web team for immediate posting.

Partners: Informed internal CDC partners, of the ECS low activation and forwarded the December 5, 2006 report from Christopher R. Braden. NCHM are on standby to assist with message dissemination. Internal partners include: 1) Division of Partnerships and Strategic Alliances/Partnerships with Faith-Based/Community Organizations and the (2) CDC Tribal Liaisons. In the process of distributing an *E. coli* update via email to external partners which will include: SOPHE, FBO's, Tribal Community, and the hearing and visually impaired.

Media:

Total media calls received by 3:00 p.m. on 12/6/06

HD News; Washington Post; CNN American Morning; Philadelphia Inquirer; Channel 6 in Philadelphia; US News and World Report; KYW News Radio in Philadelphia; CNN New York; CBS Evening News; Financial Times; WCBS Radio; Home News Tribune; The Bulletin in CT; **Total: 13**

Number of Media Stories

12/5: 621

12/6: 932

Headlines Analysis

12/5: headlines gave the impression

- that the worst of the public health threat due to the outbreak had passed
- that the outbreak is contained
- the source of the outbreak is food served at Taco bell, but that its restaurants are preparing to reopen

12/6: headlines gave the impression

- A number of new cases of illness are being reported
- The outbreak source investigation is focusing on a Texas food distributor



CDC IAP Number 1: *E. coli* O157 Outbreak

- Taco Bell locations continue to reopen, but the company is voluntarily removing green onions from its restaurants

Workforce:

- Contacted NPHIC and encouraged members to utilize the www.cdc.gov/ecoli website if more information is needed.
- Monitoring news reports for updated information
- Reviewed E-coli website for updates
- Standing by for HAN, if applicable

ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)

Janet Smith, IMS Incident Action Plan



CDC IAP Number 1: *E. coli* O157 Outbreak

INCIDENT STATUS SUMMARY CDC- ICS 209						
1. Date 12/07/2006		2. Initial <input checked="" type="checkbox"/> Update <input type="checkbox"/> Final <input type="checkbox"/>		3. Incident Name <i>E. coli</i> O157 Outbreak		4. Incident Number
5. Incident Manager Phil Navin		6. Chief Health Officer Dr. David Warnock		7. Type of Incident Biological		8. Cause Restaurant
9. Activation Date/Time 12/07/06 08:30		10. Total CDC Personnel Deployed 0		11. Total CDC OFRD Personnel Deployed 0		12. Expected Completion Date/Time
13. Number of MAs Received: ^f Period: Total: 0		14. Number of MAs Completed: Period: Total: 0		15. Number of ARFs Received: Period: Total: 0		16. Number of ARFs Completed: Period: Total: 0
17. Deaths 0		18. Cases Confirmed: 12 Probable: 46 Suspect: 125		19. Current Number of Evacuees N/A		20. Current Number of Shelters Open N/A
21. Current Weather- N/A WS Temp WD RH		22. Predicted Weather- N/A WS Temp WD RH		23. Cost to Date Unknown		24. Estimated Total Cost Unknown
25. CDC Assets Deployed						
Resources	Location	Mission	Number of Personnel Assigned	Team Lead	% Mission Complete	TOTAL TEAMS
Teams						
						None
Equipment						
						None
Total Personnel Deployed					TEAMS:	None
26. Significant Events None						
27. Significant Issues None						
28. Prepared by: Janet Smith, IMS Incident Action Plan		29. Approved by Thomas Reynolds, CDC IMS Planning Section Chief		30. Date 12/07/06 Time 18:00 EDT		
ICS 209 – CDC						



CDC IAP Number 1: *E. coli* O157 Outbreak

1. Incident Name <i>E. coli</i> O157 Outbreak	2. Operational Period (Date/Time)		3. Documents Attached 1. ICS 201 2. ICS 209
	From: 12/07 18:00 Hours EDT To: 12/08 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	Ed Rouse	IMS Operations Section Chief eocopssectionchief@cdc.gov	404-553-7520
Planning Section Chief	Tom Reynolds	IMS CDC IMS Planning Section Chief 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	404-553-7735
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

7. Current Situation/Threats:

Seven states have reported cases to date. Less than half of these cases under investigation have been culture-confirmed infections with *E. coli* O157 to date, and food consumption/restaurant histories are incomplete. Interviews that have been completed for cases under investigation indicate that a very high proportion had eaten at Taco Bell (e.g., 23 of 24 interviewed in NJ had eaten at Taco Bell), and multiple Taco Bell restaurants are involved in each locality. For culture-confirmed cases, illness onsets ranged from 11/20 to 12/02. Other cases under investigation had illness onset as recent as yesterday, 12/6. PFGE information for some case isolates are now available, and PFGE testing on remaining isolates is underway.

E. coli Update, Case Counts as of 1:00pm December 7

183 Confirmed/Probable/Suspect cases total, 7 states*

State	Confirmed Cases Reported	Probable Cases Reported	Suspect Cases Reported
CT	0	0	2
DE	1	0	1
NJ	8	20	15
NY	3	16	84
PA	0	8	23
SC	0	1	0
UT	0	1	0
Total:	12	46	125

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

Hospitalized: 48

Hemolytic Uremic Syndrome (HUS): 7

Deaths: 0



CDC IAP Number 1: *E. coli* O157 Outbreak

8. Planning Assumptions:

1. No known intentional foodborne threats have been identified by intelligence sources.
2. The outbreak vehicle has not been confirmed at this time.
3. The risk to the public is considered ongoing and we expect additional cases to be identified in the coming days.

9. Planning Objectives:

1. Continue to pursue the identification of the food vehicle for the outbreak.
2. Maintain situational awareness of media interest, reports, etc. of outbreak events.
3. Coordinate with FDA and DHHS 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. Initiate case control study interviews in conjunction with the states.

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

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)
Janet Smith, IMS Incident Action Plan



CDC IAP Number 1: *E. coli* O157 Outbreak

INCIDENT BRIEFING	1. Incident Name <i>E. coli</i> O157 Outbreak	2. Date 12/07/06	3. Time 18:00 EDT																																				
4. Map and Epidemiological Data																																							
<p>Table 1. Confirmed and probable cases in the <i>E. coli</i> O157 / Taco Bell outbreak reported to CDC as of December 7, 2006, 1:00pm EST</p> <table border="1"><thead><tr><th>State</th><th>Confirmed</th><th>Probable</th><th>Suspect</th></tr></thead><tbody><tr><td>CT</td><td>0</td><td>0</td><td>2</td></tr><tr><td>DE</td><td>1</td><td>0</td><td>1</td></tr><tr><td>NJ</td><td>8</td><td>20</td><td>15</td></tr><tr><td>NY</td><td>3</td><td>16</td><td>84</td></tr><tr><td>PA</td><td>0</td><td>8</td><td>23</td></tr><tr><td>SC</td><td>0</td><td>1</td><td>0</td></tr><tr><td>UT</td><td>0</td><td>1</td><td>0</td></tr><tr><td>Grand Total</td><td>12</td><td>46</td><td>125</td></tr></tbody></table> <ul style="list-style-type: none">• 7 states reported cases<ul style="list-style-type: none">– 6 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC, UT)• 12 confirmed, 46 probable, and 125 suspect cases reported to CDC<ul style="list-style-type: none">– 13 new confirmed and/or probable cases reported since December 6, 2006				State	Confirmed	Probable	Suspect	CT	0	0	2	DE	1	0	1	NJ	8	20	15	NY	3	16	84	PA	0	8	23	SC	0	1	0	UT	0	1	0	Grand Total	12	46	125
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CDC IAP Number 1: *E. coli* O157 Outbreak

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 7, 2006, 1:00pm EST

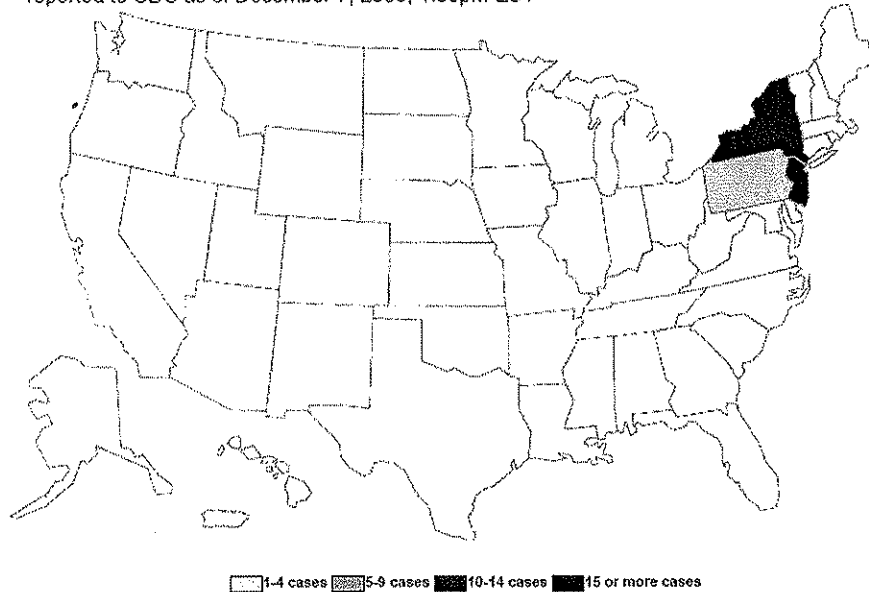


Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

Demographics, N=58	
Age in years, range (median)	4-61 (17)
Age Categories, n (%)	
< 5 years	1 (2)
5 - 17 years	30 (55)
18 - 59 years	22 (40)
> 59 years	2 (4)
Gender, n (%)	
Female	28 (48)
Male	29 (50)

*Percentages may not add to 100 due to missing observations

Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

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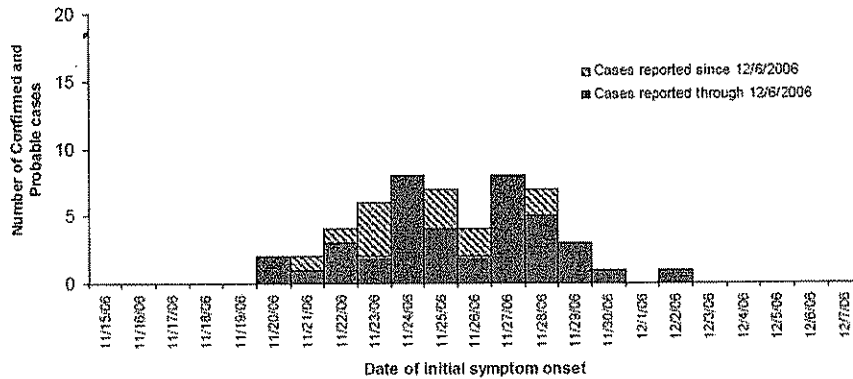
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CDC IAP Number 1: *E. coli* O157 Outbreak

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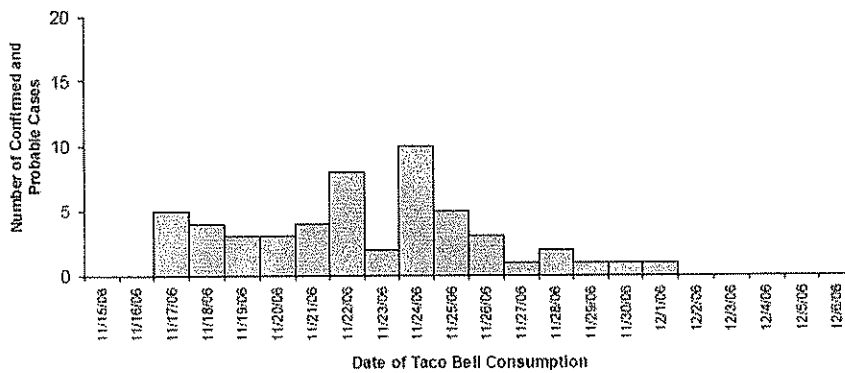
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- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 7, 2006, 1:00pm EST (N=53*)

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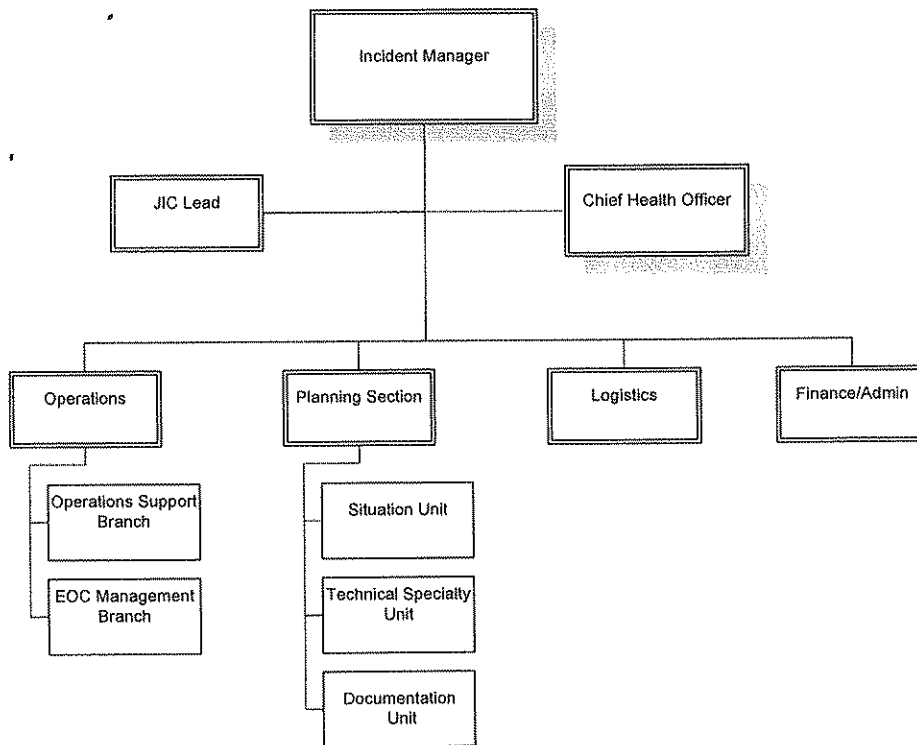


- Date of Taco Bell consumption range: 11/17/2006 – 12/1/2006



CDC IAP Number 1: *E. coli* O157 Outbreak

6. Current Organization



ICS 201 – CDC

6a. PREPARED BY (NAME AND POSITION)
Janet Smith, IMS Incident Action Plan



CDC IAP Number 1: *E. coli* O157 Outbreak

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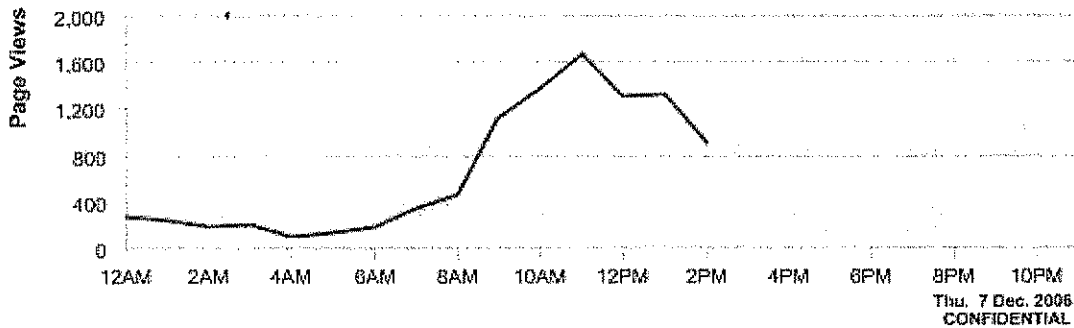


CDC IAP Number 1: *E. coli* O157 Outbreak

Total traffic on all *E. coli*-related pages on CDC website, December 7 (as of 3:10 PM):

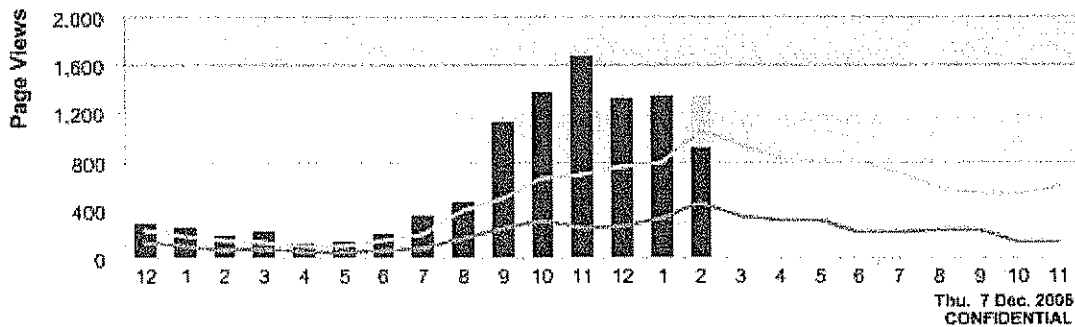
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Selected Period

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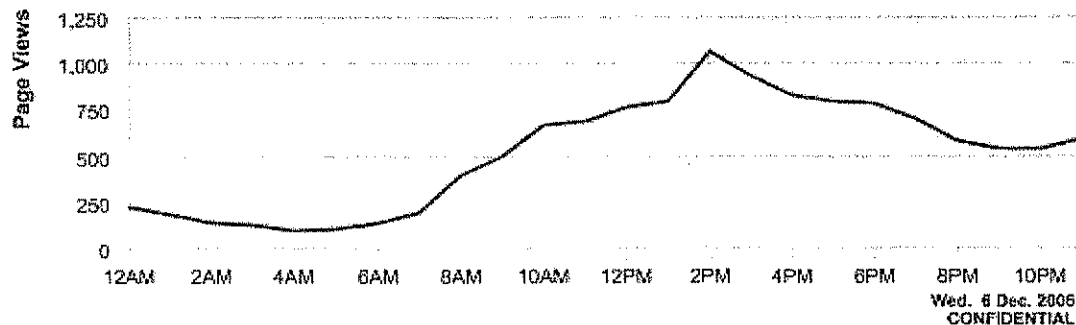
Selected Day

Forecast

Yesterday

1 Week Prior

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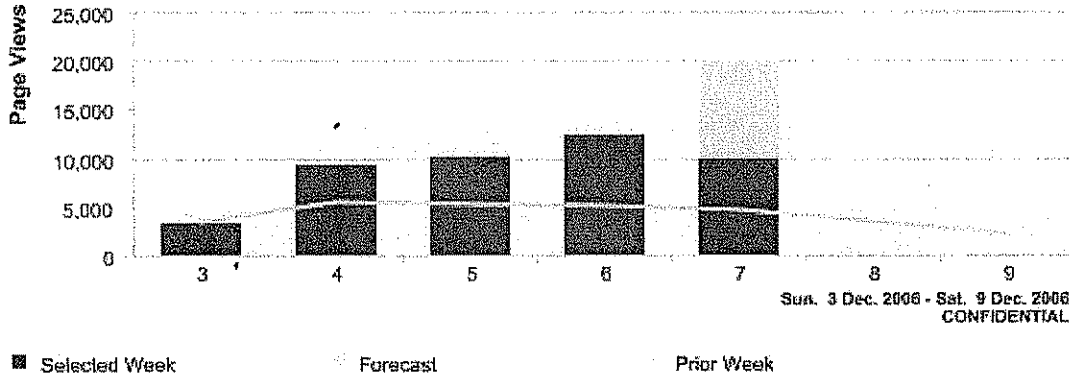


Selected Period



CDC IAP Number 1: *E. coli* O157 Outbreak

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HD News; Washington Post; CNN American Morning; Philadelphia Inquirer; Channel 6 in Philadelphia; US News and World Report; KYW News Radio in Philadelphia; CNN New York; CBS Evening News; Financial Times; WCBS Radio; Home News Tribune; The Bulletin in CT; **Total: 13**

Number of Media Stories

12/5: 621
12/6: 932

Headlines Analysis

12/5: headlines gave the impression

- that the worst of the public health threat due to the outbreak had passed
- that the outbreak is contained
- the source of the outbreak is food served at Taco bell, but that its restaurants are preparing to reopen

12/6: headlines gave the impression

- A number of new cases of illness are being reported
- The outbreak source investigation is focusing on a Texas food distributor



CDC IAP Number 1: *E. coli* O157 Outbreak

- Taco Bell locations continue to reopen, but the company is voluntarily removing green onions from its restaurants

Workforce:

- Contacted NPHIC and encouraged members to utilize the www.cdc.gov/ecoli website if more information is needed.
- Monitoring news reports for updated information
- Reviewed E-coli website for updates
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ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)
Janet Smith, IMS Incident Action Plan



CDC IAP Number 1: *E. coli* O157 Outbreak

INCIDENT STATUS SUMMARY CDC- ICS 209						
1. Date 12/07/2006		2. Initial <input checked="" type="checkbox"/> Update <input type="checkbox"/> Final <input type="checkbox"/>		3. Incident Name <i>E. coli</i> O157 Outbreak		4. Incident Number
5. Incident Manager Phil Navin		6. Chief Health Officer Dr. David Warnock	7. Type of Incident Biological	8. Cause Restaurant	9. Activation Date/Time 12/07/06 08:30	
10. Total CDC Personnel Deployed 0		11. Total CDC OFRD Personnel Deployed 0		12. Expected Completion Date/Time		
13. Number of MAs Received: Period: Total: 0		14. Number of MAs Completed: Period: Total: 0	15. Number of ARFs Received: Period: Total: 0		16. Number of ARFs Completed: Period: Total: 0	
17. Deaths 0	18. Cases Confirmed: 12 Probable: 46 Suspect: 125	19. Current Number of Evacuees N/A	20. Current Number of Shelters Open N/A			
21. Current Weather- N/A WS Temp WD RH		22. Predicted Weather- N/A WS Temp WD RH		23. Cost to Date Unknown		24. Estimated Total Cost Unknown
25. CDC Assets Deployed						
Resources	Location	Mission	Number of Personnel Assigned	Team Lead	% Mission Complete	TOTAL TEAMS
Teams						None
Equipment						None
Total Personnel Deployed					TEAMS:	None
26. Significant Events None						
27. Significant Issues None						
28. Prepared by: Janet Smith, IMS Incident Action Plan		29. Approved by Thomas Reynolds, CDC IMS Planning Section Chief		30. Date 12/07/06 Time 18:00 EDT		
ICS 209 – CDC						

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

Updated numbers for
Thursday, December 7, 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 7, 2006, 1:00pm EST

State	Confirmed	Probable	Suspect
CT	0	0	2
DE	1	0	1
NJ	8	20	15
NY	3	16	84
PA	0	8	23
SC	0	1	0
UT	0	1	0
Grand Total	12	46	125

- 7 states reported cases
 - 6 states reporting confirmed and/or probable cases (DE, NJ, NY, PA, SC, UT)
- 12 confirmed, 46 probable, and 125 suspect cases reported to CDC
 - 13 new confirmed and/or probable cases reported since December 6, 2006

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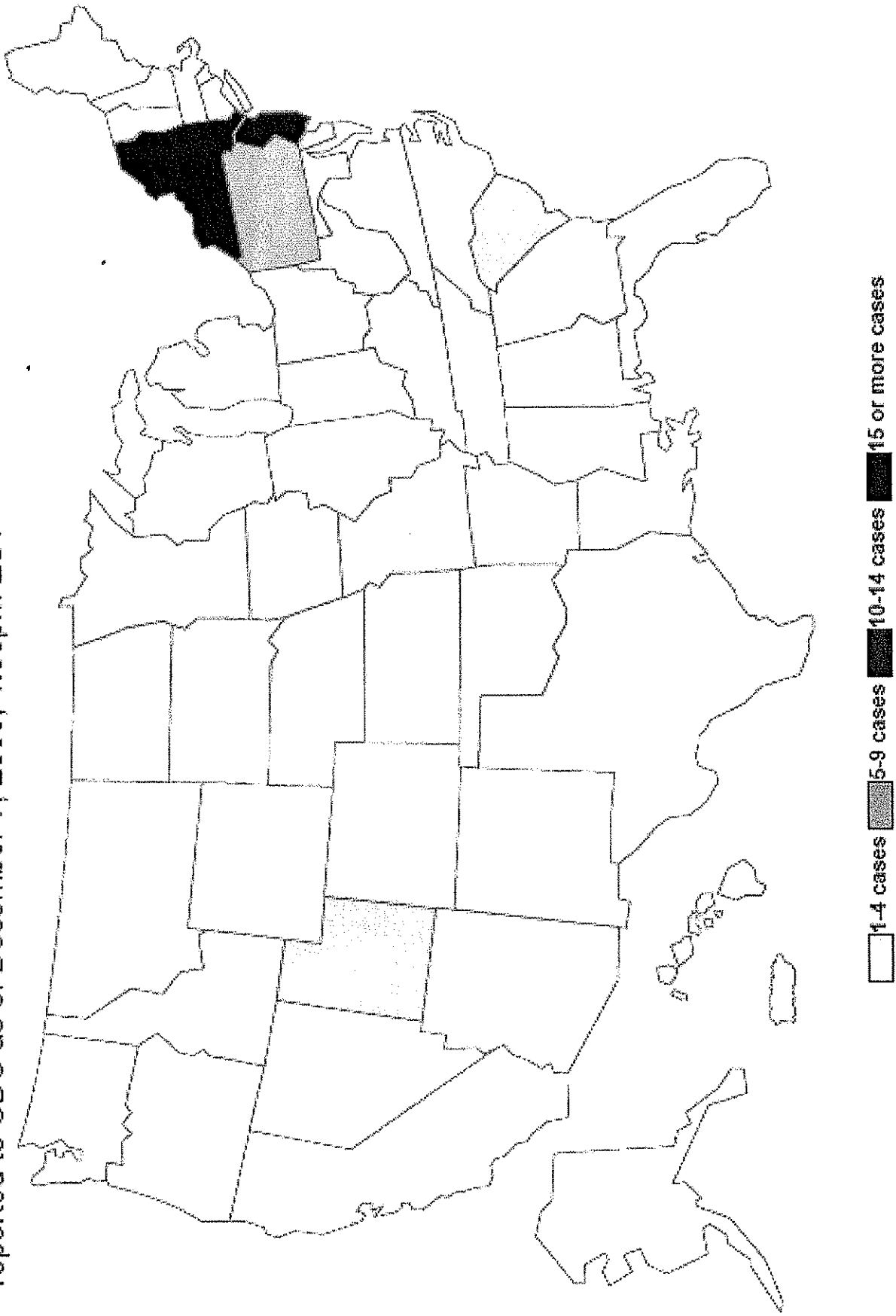


Table 2. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

<u>Demographics, N=58</u>	
Age in years, range (median)	4-61 (17)
Age Categories, n (%)	
< 5 years	1 (2)
5 - 17 years	30 (55)
18 - 59 years	22 (40)
> 59 years	2 (4)
Gender, n (%)	
Female	28 (48)
Male	29 (50)

*Percentages may not add to 100 due to missing observations

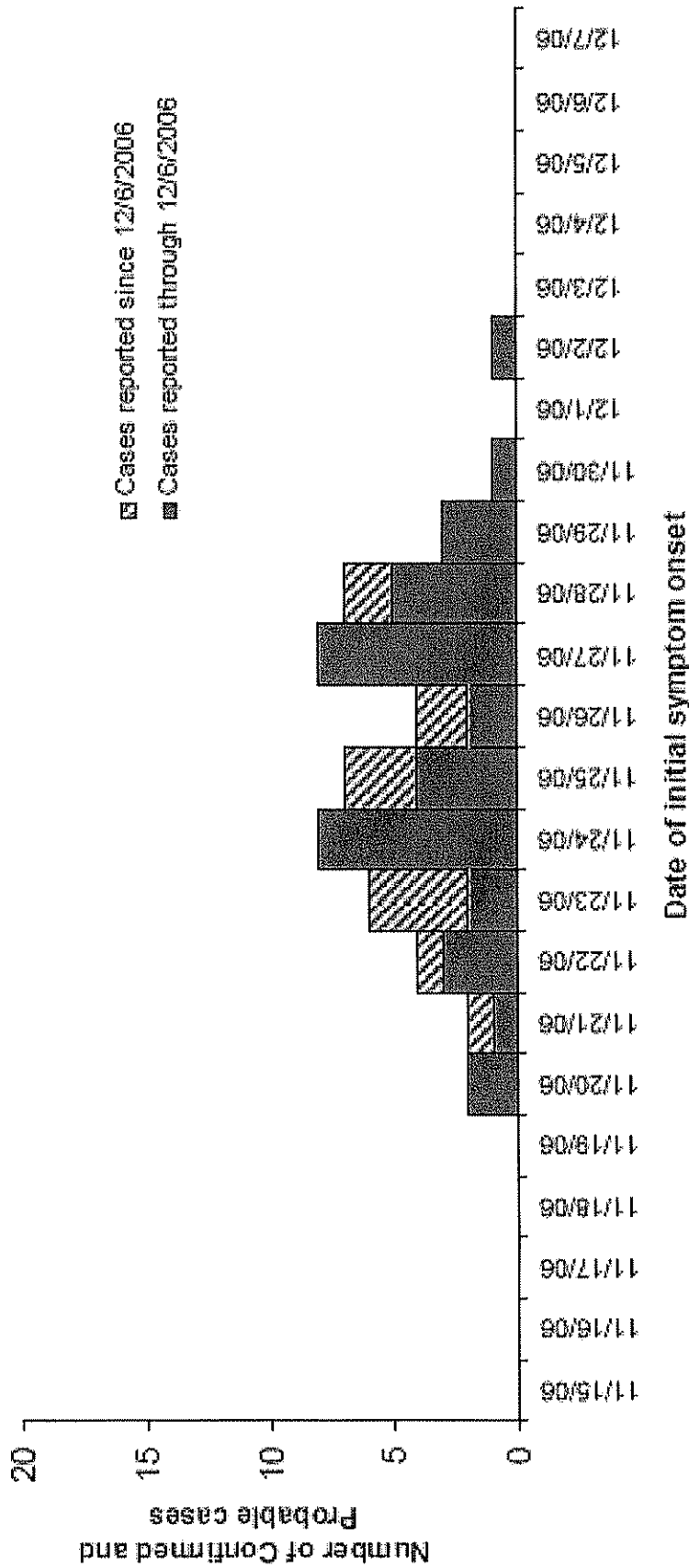
Table 3. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST

<u>Outcome, N=58</u>	<u>n (%)</u>
Hospitalized	48 (83)
HUS	7 (12)
Death	0 (0)

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

**Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 7, 2006, 1:00pm EST
(N=53*)**

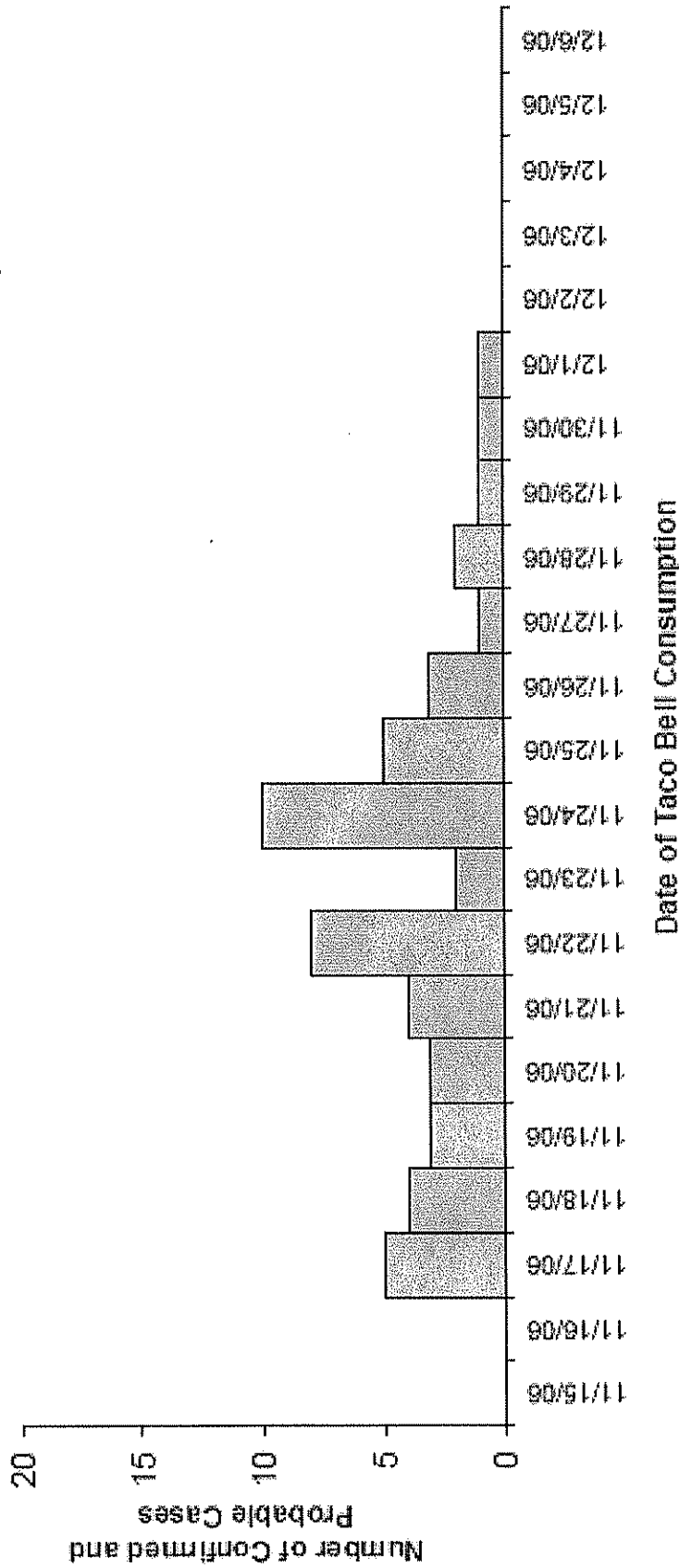
*53 probable and confirmed cases with reported date of initial symptom onset



- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 7, 2006, 1:00pm EST (N=53*)

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



- Date of Taco Bell consumption range: 11/17/2006 – 12/1/2006

Ecoli, EOC (CDC)

From: Williams, Gail (CDC/CCHIS/NCHM)
Sent: Thursday, December 07, 2006 5:14 PM
To: IMS Incident Action Plan (CDC)
Cc: Ecoli, EOC (CDC); IMS JIC Community Outreach/Education (CDC); Daigle, David (CDC/CCID/NCZVED); Roebuck, Von (CDC/OD/OEC); Williams, Gail (CDC/CCHIS/NCHM)
Subject: JIC E coli Outbreak IAP

Attachments: Picture (Metafile); Picture (Metafile); Picture (Metafile); Picture (Metafile); Picture (Metafile)

**The following are 12/06 updates of activities submitted from the JIC:
Report current as of 3pm December 7, 2006**

Documents: Editing talking points that were received yesterday from David Daigle. Awaiting comments from ECS team to submit to clearance.

Website:

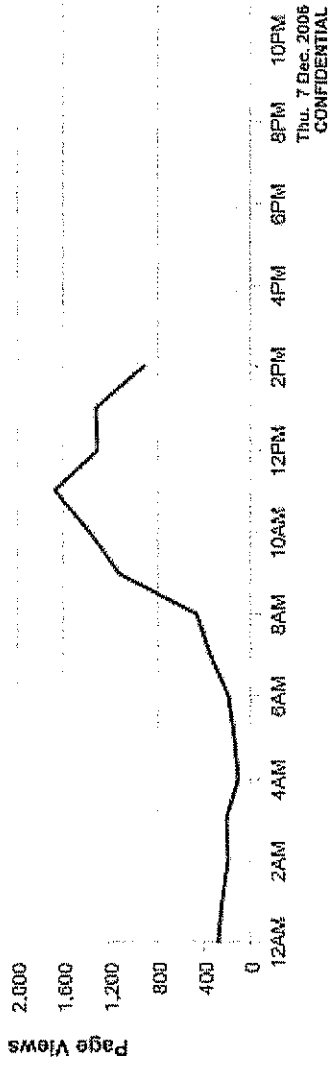
Postings on CDC *E. coli* website, December 7 (as of 4:00 PM):

- December 6 Update on Multistate Outbreak of *E. coli* O157 Infection, November-December 2006 (<http://www.cdc.gov/ecoli/2006/december/120606.htm>)
- December 7 update going up shortly

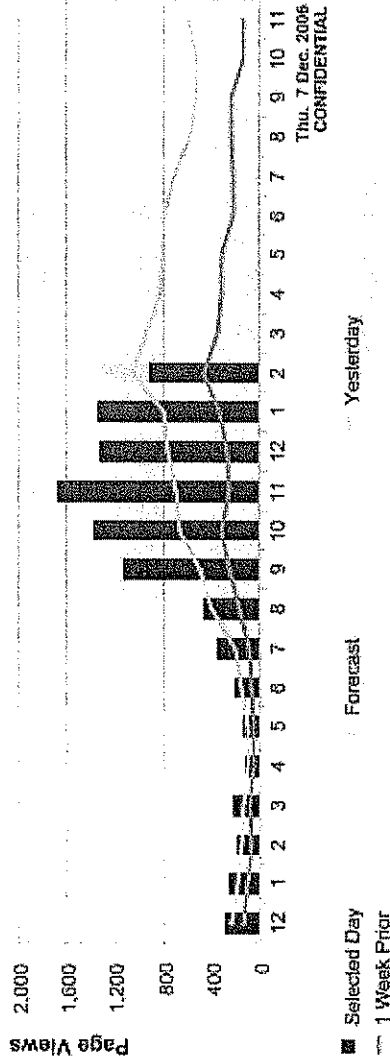
Total traffic on all *E. coli*-related pages on CDC website, December 7 (as of 3:10 PM):

- Total: 10,897 views
- CDC *E. coli* home page (<http://www.cdc.gov/ecoli/>): 2,230 views
- Main *E. coli* fact sheet (http://www.cdc.gov/ncidod/dbmd/diseaseinfo/escherichiacoli_g.htm): 3,697 views
- Current situation update (<http://www.cdc.gov/ecoli/2006/december/120606.htm>): 1,131 views
- Final total for yesterday: 12,404 views

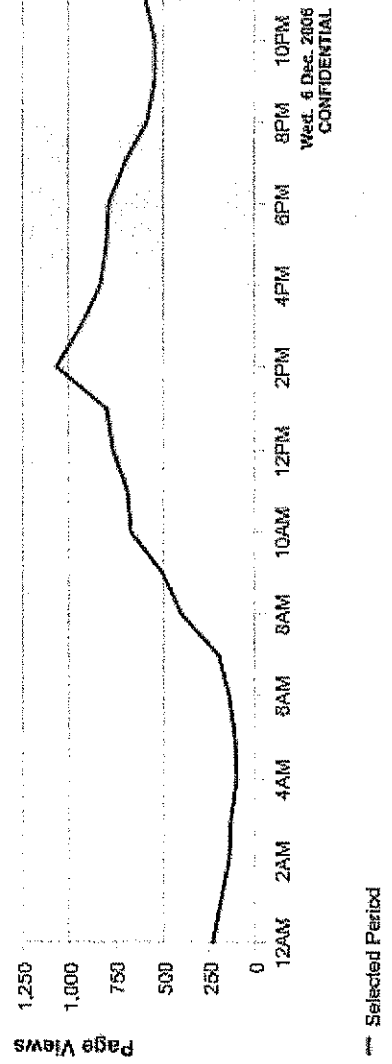
Graph of traffic on all *E. coli*-related webpages today:



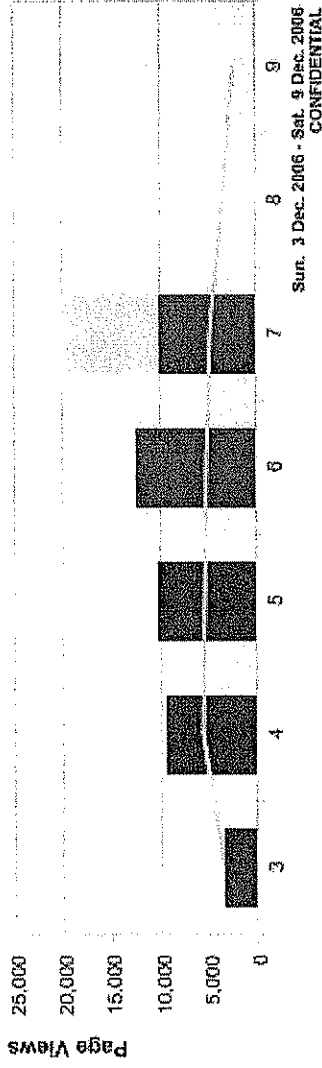
Graph of traffic on all *E. coli*-related webpages today compared with yesterday and 1 week prior:



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



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



Date	Page Views
1. Dec 3, 2006	3,278
2. Dec 4, 2006	9,315
3. Dec 5, 2006	10,109
4. Dec 6, 2006	12,404
5. Dec 7, 2006	9,907

Translations: Completed translation to Spanish of the document titled: Multistate Outbreak of E. coli O157 Infection, November-December 2006 (<http://www.cdc.gov/ecoli/2006/december/120606.htm>). Translation forwarded to the web team for immediate posting.

Partners: Informed internal CDC partners, of the ECS low activation and forwarded the December 5, 2006 report from Christopher R. Braden. NCHM are on standby to assist with message dissemination. Internal partners include: 1) Division of Partnerships and Strategic Alliances/Partnerships with Faith-Based/Community Organizations and the (2) CDC Tribal Liaisons. In the process of distributing an E. coli update via email to external partners which will include: SOPHE, FBO's, Tribal Community, and the hearing and visually impaired.

Media:

Total media calls received by 3:00 p.m. on 12/6/06

HD News; Washington Post; CNN American Morning; Philadelphia Inquirer; Channel 6 in Philadelphia; US News and World Report; KYW News Radio in Philadelphia; CNN New York; CBS Evening News; Financial Times; WCBS Radio; Home News Tribune; The Bulletin in CT; **Total: 13**

Number of Media Stories

12/5: 621

12/6: 932

Headlines Analysis

12/5: headlines gave the impression

- that the worst of the public health threat due to the outbreak had passed
- that the outbreak is contained
- the source of the outbreak is food served at Taco Bell, but that its restaurants are preparing to reopen

12/6: headlines gave the impression

- A number of new cases of illness are being reported
- The outbreak source investigation is focusing on a Texas food distributor
- Taco Bell locations continue to reopen, but the company is voluntarily removing green onions from its restaurants

Workforce:

- Contacted NPHIC and encouraged members to utilize the www.cdc.gov/ecoli website if more information is needed.
- Monitoring news reports for updated information
- Reviewed E-coli website for updates
- Standing by for HAN, if applicable



SITREP 1 Update: *E. coli* O157:H7 Outbreak

8. Situation Report / Actions (Morning Update) 12/0706

CDC Activities:

- Received situation up date report from Martha Iwamoto, Enteric Diseases Epidemiology Branch:
 - Forty-three probable (evidence of *E. coli* O157 and with Taco Bell exposure) and 33 suspect (illness after Taco Bell exposure and testing underway or not done) cases are under investigation in 5 states (NJ, NY, PA, CT and DE). The one DE case ate at a Taco Bell in NJ.
 - Interviews of recent *E. coli* infections indicate that a very high proportion had eaten at Taco Bell, and multiple Taco Bell restaurants are involved in each locality. Of the 38 probable cases from whom information was provided, illness onsets ranged from 11/20 to 12/2.
 - PFGE information for case isolates will be available later today (isolate from DE). The risk to the public is considered to be ongoing and we expect that additional cases will be identified in the coming days.
 - Case count updates from each state according to the agreed upon case definitions will occur by 1:00 each day, with follow up conference calls with public health officials at 2:30 EST daily.
 - Epidemiologic investigations have begun.
 - CDC website update anticipated to be up today by 6:00pm.
 - CDC has requested isolates to be sent from states. States report receiving multiple food samples for testing, including leftover food items of case patients. Conference call for state laboratorians to discussing food testing held this afternoon.
 - Press releases from states to be shared with CDC and FDA. We will have daily conference calls with state and local public health officials, FDA, and FSIS.

SOC Activities

No requests for ESF#8 activation.

FDA Activities:

- Received situation up date report from Woody, Dillard H. (FDA/OC/OCM)- Center for Food Safety and Applied Nutrition (CFSAN) Situation Report #2 12/6/06
 - A conference call with CDC, FDA and the states was held Wednesday, December 6, 2006 to update all agencies on the outbreak. CDC is posting the latest summary information on their website at <http://www.cdc.gov/foodborne>.
 - As of December 6th, CDC is reporting there are 76 cases under investigation, 43 probable and 33 suspect cases, in 5 states. Probable cases by state: New York - 15 cases, New Jersey - 15 cases, Delaware - 1 case, Pennsylvania - 7 cases. Connecticut has 2 suspect cases.
 - PFGE results should be available beginning December 7th to help confirm cases.
 - So far, of those case-patients that have been interviewed, only Taco Bell restaurants have been identified.
 - A case-control study is being initiated, CDC is distributing questionnaires for cases and controls to the states this evening, December 6th. Numerous food samples have been collected from Taco Bell restaurants by local and state jurisdictions that are involved, but results are not yet available.
 - Taco Bell is working with FDA to have retained samples of their produce items tested as well. A few case-patients have submitted leftovers from Taco Bell they still had at home to local and state labs.
 - Taco Bell issued a press release December 6th stating they had presumptive positive tests results for *E. coli* O157:H7 for samples of green onions they submitted to an independent laboratory. As a precaution, they have removed green onions from all of their restaurants.
 - The states and or local jurisdictions involved have taken a variety of actions, from closure of Taco Bell restaurants in their jurisdiction until all food workers are tested for *E. coli* O157, to requesting Taco Bell restaurants comply with the CDC recommendations that were provided. FDA is continuing to work with CDC, the states and Taco Bell in this outbreak investigation. FDA will issue a press release today, December 6th, stating that they are working with CDC and the states to



SITREP 1 Update: *E. coli* O157:H7 Outbreak

determine the cause of the *E. coli* contamination.

- FDA EOC Update
 - The FDA EOC has been activated effective 12/06/06.
 - The EOC has established contact with FDA field offices involved with the *E. coli* O157:H7 incident.
 - The EOC has participated in daily calls:
 - Morning calls with CDC and HHS starting 12/06/06.
 - Internal calls with various FDA offices starting 12/06/06.
 - Participated in CDC calls with States, USDA, and FDA starting 12/05/06.
 - The EOC has posted 3 press releases from Taco Bell into HHS WEB EOC on 12/06/06. Base on presumptive positive testing for *E. coli* O157:H7 in green onions tested by Taco Bell. Further confirmation testing is pending.
 - The EOC has prepared an Incident Action Plan.
- FDA Field Offices Update
 - FDA Field offices (NWJ-DO, NYK-DO, AND PHI-DO) have been in contact with local and state health departments investigating the outbreaks.
 - NWJ-DO has accompanied New Jersey Department of Health to Taco Bells and a supplier of Taco Bell.
- Northeast Regional Lab Will analyze various produce retain samples supplied by Taco Bell and suppliers.

State Activities (rec'd via State Department of Health Websites 12/7/06):

Pennsylvania

- The Pennsylvania Department of Health is investigating four cases of *E. coli* in Montgomery County as part of a multi-state outbreak that began in New Jersey.
- Three of the cases have confirmed eating at a Taco Bell restaurant in Montgomery County. However, no specific food source has been associated with the contamination causing the outbreak at this time.
- Two individuals were hospitalized, but have since been released.

New Jersey

- 40 cultures confirmed or possible cases are being investigated in Middlesex, Somerset, Union and Camden counties. Food histories have been taken in 24 of the cases and 23 of the individuals who became sick ate at a Taco Bell restaurant. They became sick between Nov. 20 and Nov. 29, possibly Nov. 30.
- At least 28 cases have been culture confirmed for *E. coli*, but are pending further test results to determine if they are part of the same strain and are linked to the same outbreak.
- The New Jersey Department of Health and Senior Services is recommending that all Taco Bells in New Jersey receiving food from the McLane Foodservice, Inc. of Burlington discard all current food supplies and clean and sanitize their facilities.
- NJDHSS has been working closely with the federal Centers for Disease Control and Prevention (CDC), neighboring state and local health departments, New Jersey's local health departments, and Taco Bell Corp. regarding the ongoing investigation of statewide cases of *E. coli* associated with Taco Bell.
- Taco Bell Corp. issued a nationwide press release, available at www.tacobell.com. According to the press release, Taco Bell Corp. has announced that three samples of green onions were found to be presumptive positive for *E. coli* O157:H7 by an independent testing laboratory. As a strictly precautionary effort, Taco Bell Corp. has removed green onions at all of its approximately 5,800 restaurants nationwide.
- In light of the epidemiological investigation and Taco Bell's announcement, as a precautionary step, Department of Health and Senior Services Commissioner Fred M. Jacobs, M.D., J.D. requests that Taco Bell restaurants WITH associated, culture-confirmed *E. coli* O157 cases take the following actions:
 - The restaurants will need to be cleaned and sanitized.
 - Current foods in restaurants will need to be discarded and resupplied.
 - All food workers must have stool samples cultured for *E. coli* O157 and any symptomatic workers or culture-positive workers must not work until documented culture-negative.
 - Food workers will need to have enhanced training in proper food handling and hygiene.



SITREP 1 Update: *E. coli* O157:H7 Outbreak

- Since all New Jersey Taco Bell restaurants receive food from the same distributors, jurisdictions with Taco Bell restaurants WITHOUT associated cases should implement the following interventions at a minimum:
 - The restaurant will need to be cleaned and sanitized.
 - Current foods in restaurants will need to be discarded and resupplied.
- Test results will not be available today to determine if the individuals were infected with the same

New York

- New York State Health Department is investigating 15 cases with laboratory evidence of an *E. coli* O157 infection in New York State tied to a national outbreak associated with Taco Bell restaurants. An additional 15 potential cases are also being investigated.
- The 15 laboratory-confirmed cases have occurred during the last three weeks among people who ate at Taco Bell restaurants. The cases have been reported in Suffolk, Nassau, Clinton, Oneida, and Otsego counties. Of these cases, there have been 13 hospitalizations and 1 report of hemolytic uremic syndrome (HUS).
- The State Health Department's Wadsworth Laboratory is conducting tests to determine if the *E. coli* O157 bacteria from the New York State cases match the samples being tested in the national outbreak. Test results are expected to be available later this week. Additionally, the Department has issued an alert to all health care providers in the state to ensure that the health care community is aware of the outbreak and can provide appropriate medical care.

Delaware and Connecticut have posted no updates to their websites as of 08:00 12/7/06

ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan Date: 12/07/06



SITREP 1 Update: *E. coli* O157:H7 Outbreak

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SITREP 1 Update: *E. coli* O157:H7 Outbreak

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ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)

Jacqueline Evans, IMS Incident Action Plan Date: 12/07/06

Minutes from 12/07/06 0930 EST NE/Multi-State E. Coli Conference Call:

* From CDC, current probable cases: Delaware 1, Pennsylvania 7, New York 15, New Jersey 20. Total 43. Current suspect cases: CT 2, NJ 7, PA 9, NY 15. Total 33.

* Demographics: median age = 17, 1 case under 5 years of age, 42% are 5-17 years of age, 4% are over 59 years of age, 49% are male (some are of unreported gender). 35 (74%) were hospitalized, no deaths reported.

* Illness onset was 11/20/06 to 12/2/06 among the probable cases, and up to 12/5/06 on the suspect cases.

* Preliminary tests: 3 samples from 2 lots of green onions showed 2 of 3 positive. It is not clear if this test is adequate for "preliminary testing". It is still possible that we have a false positive. There are no confirmatory test results at this time, so the green onions are not considered "implicated" at this point.

* There may be a common distributor. This is a distinct species of E. coli. A questionnaire has been finalized and distributed to the state health departments involved. Interviews with cases and controls begin today. States are to submit updated info by 1300 EST daily. CDC website is updated daily.

* FDA is collecting samples from distributors in NJ. Yum Foods (green onion distributor for Taco Bell) is flying to FDA tomorrow with their distribution records. FDA will investigate why only certain states are affected. At this time, there is a reported possibility that the onions came from California. The onion sources are currently determined to all be domestic.

* New Jersey is issuing a document to their local health departments, but NJ and NY are mostly conducting business as usual.

* FDA will issue their daily SITREP to WebEoc (not currently showing).

*****CONCALL DETAILS*****

*0930 and 1430 ConCalls regarding the E. coli event are currently schedule to continue daily until 12/22/06.

0930 E. Coli Conference Calls:

Lead: Dr. Yeskey, HHS

Phone: (b)(2)

Code: (b)(2)

Agenda:

- *Roll Call - SOC Watch Officers
- *Opening Comments - OPEO Senior Leadership
- *CDC Status / upcoming actions
- *FDA involvement / coordination
- *USDA
- *Regional info
- *Issues: Any need to further involve Federal ESF-8 Partners
- *Next Steps
- *Closing Comments - OPEO Senior Leadership

1430 E. Coli Conference Calls:

Lead: CDC DEOC

Phone: (b)(2)

Code: (b)(2)



CDC IAP Number 1: *E. coli* O157:H7 Outbreak

1. Incident Name <i>E. coli</i> O157:H7 Outbreak	2. Operational Period (Date/Time) From: 12/06 17:00 Hours EDT To: 12/07 17:00 Hours EDT		3. Documents Attached	
			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. Chris Braden	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 Chief 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		404-553-7735
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:

Approximately 70 cases are under investigation in 5 states (NJ, NY, PA, CT and DE). The one DE case ate at a Taco Bell in NJ. Less than half of these cases under investigation have been culture-confirmed infections with *E. coli* O157 to date, and food consumption/restaurant histories are incomplete. Interviews that have been completed for cases under investigation indicate that a very high proportion had eaten at Taco Bell (e.g., 23 of 24 interviewed in NJ had eaten at Taco Bell), and multiple Taco Bell restaurants are involved in each locality. For culture-confirmed cases, illness onsets ranged from 11/19 to 11/29. Other cases under investigation had illness onset as recent as today. PFGE information for case isolates will be available starting tomorrow.

E. coli Update, Case Counts as of 1:00p December 6

76 suspect/probable cases total, 5 states*

State	Probable Cases Reported	Suspect Cases Reported
CT		2
NJ	20	7
NY (City)		1
NY (State)	15	14
PA	7	9
DE	1	
Total:	43	33

*only probable cases are being reported to the public at this time

Hospitalized: 35

Hemolytic Uremic Syndrome (HUS): 3

Deaths: 0

8. Planning Assumptions:

1. No known intentional foodborne threats have been identified by intelligence sources.
2. The risk to the public is considered to be ongoing.
3. Expect that additional cases will be identified in the coming days.



CDC IAP Number 1: *E. coli* O157:H7 Outbreak

9. Planning Objectives:

1. Maintain situational awareness of media interest, reports, etc. of outbreak events.
2. Coordinate with FDA for field assistance and information messaging to the public.
3. Continue to collect case counts from the states for reporting to the media and the public from the 1pm electronic data submitted.

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

ICS 202 – CDC

5. PREPARED BY (NAME AND POSITION)

Janet Smith, IMS Incident Action Plan



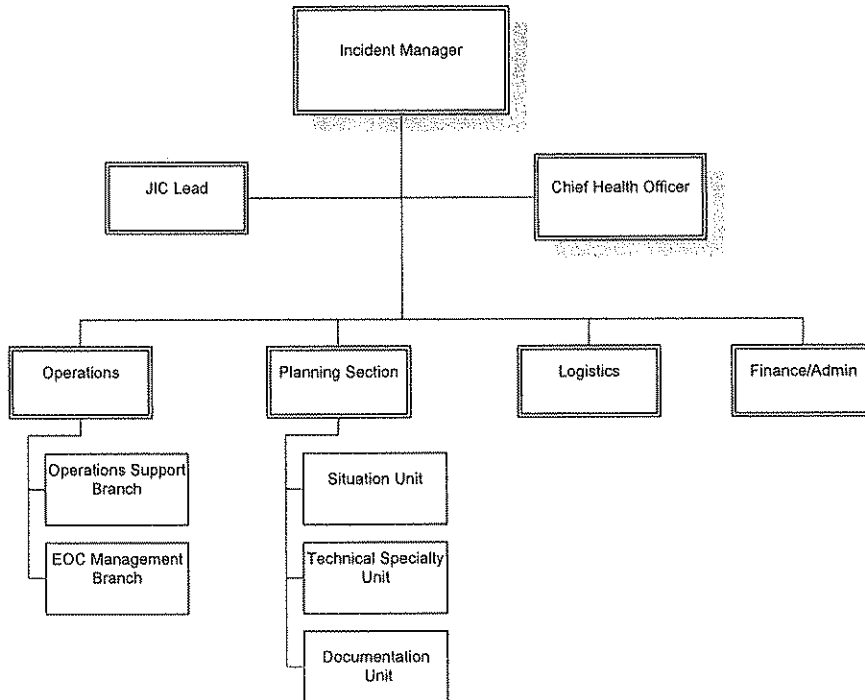
CDC IAP Number 1: *E. coli* O157:H7 Outbreak

INCIDENT BRIEFING	1. Incident Name <i>E. coli</i> O157:H7 Outbreak	2. Date 12/06/06	3. Time 17:00 EDT
4. Map and Epidemiological Data			
ICS 201 – CDC		5. PREPARED BY (NAME AND POSITION) IMS Tech Specialty Unit/GIS Sections	



CDC IAP Number 1: *E. coli* O157:H7 Outbreak

6. Current Organization



ICS 201 – CDC

6a. PREPARED BY (NAME AND POSITION)
Janet Smith, IMS Incident Action Plan



CDC IAP Number 1: *E. coli* O157:H7 Outbreak

8. Situation Report / Actions

Current CDC Actions:

- CDC has had multiple conference calls to coordinate the response to this outbreak, including individual calls with Yum Brand Foods (Parent company for Taco Bell), and a large conference call with local and state officials, FDA, and the USDA Food Safety Inspection Service (FSIS).
 - Case definitions, epidemiologic study objectives and methods have been established.
 - Case count updates have been requested from each state according to the agreed upon case definition by 1:00 EST each day, with follow up conference calls with public health officials at 2:30 EST daily with updates published to the CDC website daily.
- CDC subject matter experts, in consultation with local and state health officials and the FDA, have discussed interventions at the affected Taco Bell restaurants with Yum Foods, including but not limited to:
 - Cleaning and sanitizing restaurants
 - Discarding and resupplying restaurant foods
 - Culturing food workers for *E. coli* O157 and excluding positive workers from the workplace to limit secondary spread
 - Enhanced training for food workers in proper food handling and hygiene practices.
 - Implementing interventions 1) and 2) at other Taco Bell restaurants receiving food from the same distributor as affected restaurants has also been discussed.

State Activities:

- Per New Jersey DHSS Press Release, 12/6: "The New Jersey Department of Health and Senior Services is recommending that all Taco Bells in New Jersey receiving food from the McLane Foodservice, Inc. of Burlington discard all current food supplies and clean and sanitize their facilities. Additionally, the DHSS Food and Drug Safety Program in cooperation with the U.S. Food and Drug Administration is investigating McLane Foodservice, Inc of Burlington, NJ and Ready Pac Produce in Florence, NJ."

Industry Activities:

- Per Taco Bell Press Release, 12/6: "Taco Bell Corp. announced today that it has removed green onions at all of its approximately 5,800 restaurants nationwide. The move is strictly a precautionary effort following recent *E. coli* O157:H7 outbreaks believed to be linked to several of its restaurants in New Jersey, New York and Pennsylvania."

CDC JIC Report:

ICS 201 – CDC

8a. PREPARED BY (NAME AND POSITION)
Janet Smith, IMS Incident Action Plan



CDC IAP Number 1: *E. coli* O157:H7 Outbreak

INCIDENT STATUS SUMMARY						
CDC- ICS 209						
1. Date 12/06/2006		2. Initial <input checked="" type="checkbox"/> Update <input type="checkbox"/> Final <input type="checkbox"/>		3. Incident Name <i>E. coli</i> O157:H7 Outbreak		4. Incident Number
5. Incident Manager Phil Navin		6. Chief Health Officer Dr. Chris Braden	7. Type of Incident Biological		8. Cause Restaurant	9. Activation Date/Time
10. Total CDC Personnel Deployed 0		11. Total CDC OFRD Personnel Deployed 0		12. Expected Completion Date/Time		
13. Number of MAs Received: Period: Total: 0		14. Number of MAs Completed: Period: Total: 0		15. Number of ARFs Received: Period: Total: 0		16. Number of ARFs Completed: Period: Total: 0
17. Deaths 0	18. Cases Confirmed: 0 Probable: 43 Suspect: 33	19. Current Number of Evacuees N/A		20. Current Number of Shelters Open N/A		
21. Current Weather- N/A WS Temp WD RH		22. Predicted Weather- N/A WS Temp WD RH		23. Cost to Date Unknown		24. Estimated Total Cost Unknown
25. CDC Assets Deployed						
Resources	Location	Mission	Number of Personnel Assigned	Team Lead	% Mission Complete	TOTAL TEAMS
Teams						None
Equipment						
Total Personnel Deployed					TEAMS:	None
26. Significant Events None						
27. Significant Issues None						
28. Prepared by: Janet Smith, IMS Incident Action Plan		29. Approved by Thomas Reynolds, CDC IMS Planning Section Chief		30. Date 12/06/06 Time 17:00 EDT		
ICS 209 – CDC						

Research Team Media Monitoring Work Plan¹

Resources

1. Media Channel Monitoring Capacity

<u>Media</u>	<u>Search & Collection Method</u>	<u>Comments</u>
Newspapers, wire services, news web sites	Internet News portals	Straightforward but need to handle large volume; need repeatable procedure
Local television Cable television Network television	Internet	Internet substitute -- could be time consuming; need video coding procedure

2. Team Members

Betsy	10%
Jessica E.	50%
Rosemary T.	50%
Fred F.	10%
Lindsey P.	10%
CHET	50%
Scott H.	100%

Total staff $2.8 = 2.8 * 8 = 22.4$ hours/day

Daily Timeline

<u>Time</u>	<u>Task</u>	<u>Staff</u>	<u>Hours to Complete</u>
9 – 11 a.m.	1. Search & collect stories	Scott/Jessica	2 /person
	2. Update CDC Media Activity Data	Fred	1.5
11 a.m. – 12 p.m.	1. Update Story Archive	Scott	0.5
	2. Distribute stories to coders	Scott	0.5
12 – 3 p.m.	1. Perform content analysis	Rosemary/CHET/ Lindsey	3 /person
	2. Prepare reports (1 day delay)	Scott/team	1.5
3 – 4 p.m.	1. Update content	Jessica	0.5

analysis results
2. Resolve coding issues Jessica

0.5

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Document Flow

<u>File</u>	<u>From</u>	<u>To</u>
CDC Media Activity Data (Excel)	CDC Media Activity Tracker	MM Reporter
Media Inquiries Summary (Word)	CDC Media Activity Tracker	MM Reporter
Internet Search Results (Word)	Internet Data Collector	MM Reporter
Internet Stories (Word)	Internet Data Collector	Story Archive Manager
Television Stories (Word)	Television Data Collector	Story Archive Manager
Story Archive (Word)	Story Archive Manager	MM Reporter
Coder Data (Word x 3)	Story Archive Manager	Content Coders
Coder Content Analysis (Excel x 3)	Content Coder	Data Analysis Manager
Data Analysis Results (Excel)	Data Analysis Manager	MM Reporter
Daily MM Report (Word)	MM Reporter	JIC Lead; JIC Task Triage

- *CDC Media Activity Data (Excel)*
Numbers of CDCInfo phone calls, CDCInfo emails, COCA calls from clinicians as well as trend lines for these data
- *Media Inquiries Summary (Word)*
A summary of the questions posed by journalists to press officers in the Division of Media Relations
- *Internet Search Results (Word)*
A list of the event-related stories returned by a search of the web (using, e.g., the Google News search engine)
- *Internet Stories (Word)*
The headlines/text of event-related stories collected from newspapers and internet news sites

- *Television Stories (Word)*

The text of event-related stories collected from television sources

- *Story Archive (Word)*

The combined headlines/text of stories from newspapers, internet news websites, and television sources

- *Coder Data (Word x 3)*

A segment of the day's stories from the Story Archive given to one content coder for analysis

- *Coder Content Analysis (Excel x 3)*

A single content coder's content analysis results from coding a segment of the day's stories

- *Data Analysis Results (Excel)*

The content analysis results from coding all of the day's stories that combines the results from all coders

- *Daily MM Report (Word)*

A summary of issues, developing themes, points of confusion or controversy, and so on that arise from examination of the day's data and analysis files

RT Deliverables

Daily

- Media coverage metric (e.g., total # of stories)
- Coverage interpretative analysis (delayed 24 hours from coverage)

Weekly

- Trend analysis of CDC media activity

Functional Roles/Tasks

* can all access JIC Functional Role Folder?

Tentative Assignments

CDC Media Activity Tracker	Fred
Internet Data Collector	Scott
Television Data Collector	Jessica
Story Archive Manager	Scott
Data Analysis Manager	Jessica
Content Coder	Rosemary/Lindsey/CHET
MM Reporter	Scott/team

1. CDC Media Activity Tracker (Fred)

Initial Tasks:

- 1) obtain list of DMR personnel and others handling press inquiries
- 2) contact Web Team, Clinician Team, and DMR staff to coordinate data handoff
- 3) create copy of Excel file template for daily data and save as "Event-name CDC Media Activity" in the RT Functional Role Folder (e.g., "SARS Outbreak CDC Media Activity")
- 4) create a Word document for press inquiry information and save as "Event-name Media Inquiries Summary" in the RT Functional Role Folder

Daily Tasks:

- 1) update media activity data file with latest numbers of CDCInfo phone calls, CDCInfo emails, COCA calls from clinicians
- 2) collect inquiry data from DMR press officers (and others as needed)
- 3) create a separate section in the Media Inquiry Summary file and save media inquiry content
- 4) forward updated Media Activity Data and Media Inquiries Summary files to MM Reporter by 12 p.m.

Contacts:

<u>Item</u>	<u>Source</u>	<u>Contact Person(s)</u>
Number and content of media inquiries	Division of Media Relations	Lola Russell
CDC INFO emails and content summary (cdcinfo@cdc.gov)	ECS Clinician Communication Team	Bindu Tharian
CDCINFO calls and content summary (800-CDC-INFO)	ECS Clinician Communication Team	Bindu Tharian
COCA emails and content summary	ECS Clinician Communication Team	Bindu Tharian

(coca@cdc.gov)

Web hits on all event-related
pages

IAP and/or ECS Web
Team

Nathan Huebner

2. Internet Data Collector (Scott)

Initial Tasks:

1. Create a Word document to save Internet searches and save it as “Event-name Internet Search Results” (e.g., “Hurricane Katrina Internet Search Results).
2. Create a Word document to save Internet stories and save it as “Event-name Internet Stories” (e.g., Marburg Virus Internet Stories).
3. Save these files in the RT Functional Role Folder.
4. consult with the RT lead to get direction on data collection priorities specific to the event (see Appendix)

Daily Tasks:

1. Search for Relevant Stories

- 1) Go to the advanced search page for Google News at 9 a.m.
http://news.google.com/advanced_news_search?hl=en&tab=wn&q=
- 2) Search for event-related stories using these parameters:
 - Terms: use designated search terms (contact Data Analysis Manager)
 - News Source: all sources
 - Location: all locations
 - Occurrences: anywhere in the article
 - Date: previous 24 hours
 - Google may initially return a subset of all articles that leaves out redundant stories – use the option to repeat the search to include all stories
- 3) Save the search results to the internet search results file.
 1. create a separate section for each day
 2. number each result, but do not restart numbering each day; for example, if you being searching on a Monday and receive 10 results for that day, number these 1-10; if you get an additional 9 results on Tuesday, number these 11-19
 3. record the total number of stories returned for that day at the top of that day’s section

Perform *either* 4a or 4b

4a) Search your results file for stories from the following sources:

1. Local newspapers (use city names or state abbreviations)
2. AP and Reuters wire services (note: duplicate headlines in your search results often point to wire service stories)
3. USA Today
4. Washington Post
5. Philadelphia Inquirer
6. Chicago Tribunes
7. Minneapolis Star Tribune
8. Cleveland Plain Dealer
9. Kansas City Star
10. Omaha World-Herald: <http://www.omaha.com/>
11. Wall Street Journal
12. New York Times
13. Boston Globe
14. Seattle Times
15. Portland Oregonian: <http://www.oregonlive.com/>
16. Houston Chronicle
17. Dallas Morning News
18. Oklahoma City Daily Oklahoman: <http://www.newsok.com/>
19. Atlanta Journal Constitution
20. Miami Herald
21. Charlotte Observer
22. Los Angeles Times
23. Denver Post
24. Arizona Republic
25. San Francisco Chronicle

4b) Search selected newspapers one at a time for event-related stories by using these parameters:

- Terms: use designated search terms (contact Data Analysis Manager)
- News Source: (use list above and enter names verbatim)
- Location: all locations
- Occurrences: anywhere in the article
- Date: previous 24 hours

If you don't locate wire service stories from your search of newspaper sites, check these wire services websites:

- AP <http://www.newsday.com/news/nationworld/wire/>
- Reuters <http://today.reuters.com/news/home.aspx>

- 5) Go to the news websites listed below at 9 a.m.
1. examine breaking news sections on the home page; names for these sections will vary:(e.g., "Latest News," "Headlines," "Updates," "Top Stories")
 2. for domestic events, examine the "U.S. " page
 3. for international events, examine the "World" or "International" page
 4. examine specialized pages relevant to the event (e.g., "Health News")

Visit these sites for all events:

MSNBC <http://www.msnbc.msn.com/>

Yahoo! <http://news.yahoo.com/>

CNN <http://www.cnn.com>

FOX <http://www.foxnews.com/index.html>

AOL <http://news.aol.com/?sem=1&ncid=AOLNWS001700000000004>

For International Event (see Appendix):

BBC <http://www.bbc.co.uk/>

- 6) Repeat step 5 above at X p.m. and search for updates since your previous visit.

2. Capture Stories

- 1) create a separate section for each day in the Internet Stories file
- 2) cut and paste the source name, headline, and text of each story located via the search engine into the internet stories file (save as unformatted text)
- 3) number these stories using the search results file numbering
- 4) cut and paste the source name, headline, and text of each story located in step 5 above into the internet stories file
- 5) number these stories, continuing from the last story saved in step 4
- 6) enter the number of stories found for the day at the top of that day's section
- 7) forward the updated Internet Search Results file to the MM Reporter by 11 a.m.
- 8) forward the updated Internet Stories file to the Story Archive Manager by 11 a.m.*

3. Television Data Collector (Jessica)

Initial Tasks:

1. Create a Word document to save television stories and save it as "Event-name Television Stories" (e.g., Marburg Virus Television Stories).
2. Save these files in the RT Functional Role Folder.

Daily Tasks:

1. Search for Relevant Stories

1) Go to the sites below at 9 a.m.

- Networks: (focus on early and evening news show pages; some video re-plays are available)
 - CBS News <http://www.cbsnews.com/>
 - ABC News <http://abcnews.go.com/>
 - NBC News <http://www.nbc.com/News & Sports/>
- local news broadcasts -- locate websites for local stations in the affected area using the websites below:
 - ABC affiliates: <http://abc.go.com/site/localstations.html>
 - NBC affiliates: <http://www.msnbc.msn.com/id/3098358/>
 - FOX affiliates: <http://www.fox.com/links/affiliates.htm>
 - CBS affiliates:
 - <http://www.cbsnews.com/stories/2002/07/31/utility/main517034.shtml> (this seems to crash the internet browser!)

2) examine breaking news sections on the home page; names will vary (e.g., "Latest News," "Headlines," "Updates," "Top Stories")

3) for domestic events (see Appendix), examine the "U.S." news page on network sites

4) examine specialized pages relevant to the event (e.g., "Health News")

??? 5) Visit the Vanderbilt archives to examine abstracts for network TV broadcasts.??????

<http://tvnews.vanderbilt.edu/>

2. Capture Stories

- 1) create a separate section for each day in the Television Stories file
- 2) cut and paste the source name, headline, and text of each story located into the television stories file (save as unformatted text)
- 3) number these stories consecutively over the activation period (i.e., if you have 8 stories on the first day, the first story collected on the second day will be number 9, and so on)
- 4) enter the number of stories found for the day at the top of that day's section
- 5) forward the updated Television Stories file to the Story Archive Manager by 11 a.m.

4. Story Archive Manager (Scott)

Initial Tasks:

- 1) create a Word document and save it in the RT Functional Role Folder as “Event-name Story Archive” (e.g., “E. Coli Story Archive”)
- 2) coordinate story collection with Internet and Television Data Collectors

Daily tasks:

- 1) create a new section for each day in the Story Archive file
- 2) obtain story text documents from Internet and Television Data Collectors
- 3) check for consistency of data included for each item: media outlet name, story source, headline, story text and fill in gaps as required
- 4) add stories from Internet and Television files to Story Archive file
- 5) record the number of each story from its original file in parentheses
- 6) assign numbers to stories consecutively over the entire period of activation (i.e., number the first story of the day with the number that follows the last number from the preceding day)
- 7) record the total number of stories for the day at the beginning of the section for that day
- 8) save the updated Story Archive to the RT Functional Role Folder
- 9) divide up the day’s stories among the coders and create Coder Data Files that contain the stories assigned to each coder
- 10) distribute one Coder Data File to each coder
- 11) forward the updated Story Archive file to the MM Reporter by 12 p.m.

5. Data Analysis Manager (Jessica)

Initial Tasks:

- 1) consult with IMT Lead and review event-related facts sheets, talking points, web sites and other background knowledge documents
- 2) revise Coder Data Analysis Template file in the RT Functional Role Folder as needed to include variables of interest for the event and save as "Event-Name Coder Data Analysis" (e.g., "E.Coli Coder Data Analysis")
- 3) revise Data Analysis Results Template file in the RT Functional Role Folder as needed and save as "Event-Name Data Analysis Results" (e.g., "Marburg Data Analysis Results")
- 4) distribute key documents (or a summary?) to coders

Daily Tasks:

- 1) revise data analysis files as needed to include new variables of interest
- 2) provide Internet and Television Data Collectors with search terms
- 3) provide "knowledge updates" to coders – key facts, new developments or issues to be aware of in coding
- 4) collect data files from content coders
- 5) update event data analysis results file with latest coder results
- 6) forward updated data analysis results to the MM Reporter by 4 p.m.
- 7) resolve coding problems/issues/questions with coders

Other Tasks:

- 1) assess inter-coder reliability 1) in initial stages of coding, and 2) when new variables are added

Contacts:

<u>Item</u>	<u>Source</u>	<u>Destination</u>	<u>Contact Person(s)</u>
Event-related Web pages, fact sheets, talking points	IMT; Web Team		Cathy Young; Nathan Huebner
Data Analysis Results		MM Reporter	MM Reporter

6. Content Coder (Rosemary/Lindsey/CHET)

Initial Tasks:

- 1) create copy of event Coder Data Analysis file and save in RT Functional Role Folder as "Event-name Content Analysis Your-initials" (e.g., "Hurricane Katrina Content Analysis SH")
- 2) review event Coder Data Analysis file and contact Coding Manager with questions on variable definitions or values
- 3) review event background documents (fact sheets, talking points, web pages)

Daily Tasks:

- 1) obtain your Coder Data file from the Story Archive Manager
- 2) perform content analysis for each story in the Coder Data file
 1. examine each story and assign the appropriate value of each variable to the entire story (or story segment, whichever applies)
 2. record your coding in your Content Analysis file
 3. make a note of any difficulties or questions in coding variables and report them to the Coding Manager
- 3) forward your updated Content Analysis file to the Coding Manager by 3 p.m.

7. **MM Reporter** (Scott/team)

Initial Tasks:

- 1) Conduct event MM assessment (see Appendix).
- 2) Coordinate information collection with CDC Media Activity Tracker, Internet Data Collector, Data Analysis Manager and Story Archive Manager.
- 3) Verify deadlines for reporting.

Daily Tasks:

- 1) Examine CDC Media Activity, Media Inquiries Summary, and Data Analysis Results files and consider:
 - Is there a noticeable change in the level of coverage?
 - Are there elements of the event for which there appears to be confusion?
 - What are the primary issues or themes in the reporting? Which of these can/should the CDC respond to?
 - Are there obvious information gaps in what's being reported?
 - What can be said about the accuracy of media reports? (nature and severity of the PH threat, causes, means of prevention/protection, and so on)
 - Is the focus of reporting developing in a discernible direction?
 - What specific questions are journalists likely to ask CDC representatives?
- 2) Prepare a written report summarizing notable observations.
 - Number of event-related articles/stories
 - Most frequently-occurring themes
 - Notable observations from content variables (e.g., type of prevention message inaccuracies)
 - Notable changes or developments in coverage such as emerging issues and questions.
- 3) Email this report to IMS JIC Lead, IMS JIC Task Triage, and IMS JIC Research functional mailboxes by the established reporting deadline (typically, 3 p.m.). Also send a copy to all RT members.
- 4) Prepare to discuss preliminary results of the previous day's analysis for the morning meeting of the JIC Lead and ECS teams (typically, 11 a.m.).

APPENDIX

Event MM Assessment

1. What is the nature of the threat?

- Natural disaster or severe weather
- Disease outbreak
- Terrorist attack
- Chemical emergency
- Radiation emergency

2. What is the time-scale of the event?

- Acute
- Evolving

3. What is the scope of the event?

- Local
- Regional
- National
- International

4. What is the social/physical environment for the event?

- Rural
- Urban – moderate
- Urban – large
- Combination

Prioritizing Media Sources

There are numerous sources of news reports and, depending on the kind of event you're working with, it will be more important to monitor particular kinds of sources. This will primarily affect the data collection task: you should focus your efforts on collecting data from sources of highest priority first and work your way down the list as time allows.

This section describes the kinds of media sources that will be available and then lists the categories of events and the priority of media sources for each.

Media Sources

You will be collecting news stories/articles from three major kinds of media sources. For each type there are several more specific sources that you will be working with and these are described below.

Media Source 1: Television

1. News broadcasts by local TV stations that are network affiliates. There is typically an early morning, early evening and late evening broadcast.

2. National news broadcasts by the major networks (ABC, NBC, CBS). There are early morning and early evening editions.
3. Cable TV news broadcasts (CNN, MSNBC, FOX). The cable networks have headline segments shown periodically throughout the day.

The form of data collected from television will vary. Text/transcripts may be available for some stories. For other stories you may have access to a recorded video clip and in still other cases you may be watching live coverage.

Media Source 2: The Internet

Note that there is considerable overlap here with television sources, since many television networks also have websites.

1. Cable News websites: CNN, FOX, MSNBC, BBC
2. TV Network Sites: CBS, ABC
3. News Portals: Yahoo!.News, AOL News

Data from internet sources will be collected as text.

Media Source 3: Newspapers

1. National papers: New York Times, Washington Post, USA Today, Los Angeles Times,
2. Wire services: AP, UPI, Reuters
3. Local papers (includes both major metros and smaller dailies): examples are the Chicago Tribune, Boston Globe, Atlanta Journal-Constitution, Dallas Morning News, Philadelphia Inquirer, Flagstaff Arizona Sun, Colorado Springs Gazette, Boca Raton News

Data from newspapers will be collected as text.

Event Types and Media Source Priority

Category 1: Domestic-Local

These are events that primarily affect a limited geographic region such as a city, county, several counties (e.g., hurricanes, floods, toxic chemical spills, wildfires). The order of priority is:

1. Local television news broadcasts
2. Cable news channel headline segments
3. Local newspapers
4. Wire services
5. National network news broadcasts
6. National newspapers
7. Internet news sites (also see priority list for Internet sires below)

Category 2: Domestic-National

These are events which are not confined to one region and/or are breaking news on a national level (e.g., a terrorist attack, flu pandemic, some food-borne illness outbreaks). The order of priority is:

1. Cable news channel headline segments

2. National network news broadcasts
3. Internet news sites (also see priority list for Internet sites below)
4. National newspapers
5. Wire services
6. Local television news broadcasts
7. Local newspapers

Category 3: International

These are events with significant public health impact on people in parts of the world outside the U.S. (e.g., the Sumatra-Andaman earthquake and tsunami of 2004). In such cases the specific location of the event will affect the sources of most interest. For example, some locations may not have local newspapers or television. But a beginning priority is:

1. Cable news channel headline segments
2. Wire services
3. Internet news sites: CNN "World" section, BBC
4. National network news broadcasts
5. National newspapers

Epi-X??

Global Health Team??

Internet Site Priority

Because of the probable overlap between the content of television broadcasts and their corresponding websites, priority in collecting from Internet sites should be given to the news portals (AOL, Yahoo!.News).

Flexibility in Prioritizing Sources

Finally, it is important to note that the character of an event can change as time passes. For example, a food-borne illness that begins as a Domestic-Local event may become a Domestic-National event if cases begin to appear across the country. As a result, the prioritization of media sources is somewhat fluid. If you are unsure about the type of event you are working with and the media source priority, consult with the RT lead.

NOTES

¹This plan assumes that RT staff are responsible for all media monitoring tasks; for some events, the lead CIO may assume responsibility for some of these tasks

Item	Date	Coder ID	News Soure Type	Story Location
1	12/6/2006	1	1	999
2	12/6/2006	1	1	999
3	12/6/2006	1	1	999
4	12/6/2006	1	1	999
5	12/6/2006	1	1	999
6	12/6/2006	1	1	999
7	12/6/2006	2	1	999
8	12/6/2006	2	1	999
9	12/6/2006	2	1	999
10	12/6/2006	2	1	999
11	12/6/2006	2	1	999
12	12/6/2006	2	1	999
13	12/6/2006	3	1	999
14	12/6/2006	3	1	999
15	12/6/2006	3	1	999
16	12/6/2006	3	1	999
17	12/6/2006	3	1	999
18	12/6/2006	3	1	999
19	12/6/2006	1	1	999
20	12/6/2006	2	5	0
21	12/6/2006	3	5	0
22	12/6/2006	1	5	999
23	12/6/2006	2	5	1
24	12/6/2006	3	5	1
25	12/6/2006	1	5	999
26	12/6/2006	2	5	0
27	12/6/2006	3	5	0
28	12/6/2006	1	4	999
29	12/6/2006	2	5	0
30	12/6/2006	3	4	0

Headline	Byline	Topic	Unaffiliated Source
also struck as ties to Taco Bell Grow	1	3	0
expects to reopen	1	3	1
E. Coli Sickens 39 in New Jersey and New York	1	8	1
Taco Bells to Reopen Despite E. Coli Outbreak	2	1	0
E. coli threat may have passed in N.J.	88	3	0
Jersey	2	3	0
E. Coli Threat May Have Passes in N.J.	2	1	1
Exec: Taco Bell expects to reopen stores	1	1	1
E. COLI INFECTIONS LINKED TO	999	3	0
E. coli sickens 22 in New Jersey Cases	2	1	1
E. coli sickens 36 in New Jersey, Long	2	3	1
E. coli in N.J. is linked to Taco Bell	2	3	0
none	2	2	0
E. coli threat may have passed in N.J.	2	3	1
E. coli outbreak traced to 3 Taco Bells;	2	2	1
E. coli threat may have passed in N.J	2	2	1
E. coli outbreak in NJ tied to 3 Taco Bell	5	2	0
E. coli threat may have passed in N.J	2	2	1
Taco Bell briefly closes 9 stores on food scare	2	3	0
Closed Taco Bells all used same food	2	1	1
E. coli may have passed in New Jersey	2	2	1
least three dozen sickened; 5 area Taco Bell	2	3	0
Closed Taco Bells all used same food	2	1	1
Taco Bells used same distributor	2	2	1
Reopening Most Already	2	3	0
New Jersey Taco Bell E.Coli Threat Has	5	1	1
E. Coli Cases Rise to 36 After 'Serious	5	2	1
outbreak. 43 cases confirmed in LI and NJ	4	1	1
Restaurants Where E. coli Victims Ate	4	1	0
How to Avoid Getting E. Coli	5	5	1

Organizational Source	Organizational Source text	CDC Source	CDC Spokesperson
1	New Jersey Health Commissioner 3.	0	0
1	Commissioner 3. Middlesex County Health	0	0
1	the Consumer Federation of America 3.	1	1
1	Commissioner 3 New York Health officials	0	0
1	Middlesex County Health Director 3. Yum	0	0
1	Yum Brands	0	0
1	Health and Senior Services	0	0
1	Nassau Health Department Suffolk	0	0
0	0	0	0
0	0	1	0
0	0	1	0
0	0	0	0
0	88	0	0
1	Commissioner Fred M. Jacobs;	0	0
1	David Papi, Director of Health for	0	0
1	Commissioner Fred M. Jacobs;	0	0
0		0	0
1	Commissioner Fred M. Jacobs;	0	0
1	Senior Services 2. New York State	1	0
0	0	0	0
1	Commissioner Fred M. Jacobs;	0	0
1	Senior Services 2. Yum Brands 3.	0	0
1	Food Policy Institute at the	0	0
1	New Jersey's Health Commissioner	0	0
1	Senior Services 2. New York State	1	0
1	Health and Senior Services	0	0
1	Health and Services Commissioner	0	0
1	Executive 3. Middlesex County Health	0	0
0	0	0	0
1	Dr. Sapna Parikh from Fox 5	0	0

CDC Spokeperson text	PH Risk	PH Risk text	Health Risk Level
0	0	0	1
0	1	harmless bacteria, but certain strains can cause abdominal	1
David Daigle	1	a wide range of symptoms, from mild to severe diarrhea,	1
0	0	0	1
0	1	distress and is most often spread through contaminated	1
0	0	0	1
0	1	Symptoms are described, likelihood of	1
0	0	0	1
0	0	0	1
0	1	E. coli, or Escherichia coli, is a common and	2
0	1	Symptoms usually show up three to four days	2
0	0	0	1
0	0	0	1
0	1	E. Coli can cause abdominal cramps, fever,	1
0	1	E. Coli can cause abdominal cramps, fever,	1
0	1	E. Coli can cause abdominal cramps, fever,	1
0	0	0	1
0	1	E. Coli can cause abdominal cramps, fever,	1
0	1	resident in the guts of animals, including humans. A new	1
0	1	E. coli is found in the feces of humans and	1
0	1	E. Coli can cause abdominal cramps, fever,	2
0	1	distress and is most often spread through contaminated	1
0	1	E. coli is found in the feces of humans and	1
0	1	E. Coli can cause abdominal cramps, fever,	1
0	1	resident in the guts of animals, including humans. A new	1
0	1	E. coli, or Escherichia coli, is a common and	1
0	1	E. Coli is a bacteria that can cause severe	2
0	0	0	2
0	0	0	1
0	1	E. Coli bacteria can be deadly	2

Innacurate PH Risk	Innacurate PH Risk text	Prevention Msg	Prevention Msg text
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	1	The bacteria also can be
0	0	0	0
0	0	0	0
0	0	1	The bacteria also can be
0	0	1	The bacteria also can be
0	0	0	0
0	0	0	0
0	0	0	0
0	0	1	If you are having symptoms,
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	1	The bacteria also can be
0	0	0	0
0	0	0	0
0	0	1	The bacteria also can be
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	1	Keep your hands clean,

Outbreak Source text	Number of Cases	Comments
Taco Bell	25	
Taco Bell	22	
Taco Bell	39	
Taco Bell	39	
Taco Bell	"more than three dozen"	
Taco Bell	22	
Taco Bell	36	
Taco Bell	36	
Taco Bell	36	
Taco Bell	22	
Taco Bell	36	
Taco Bell	22	
Three Taco Bell	22, and still	
Taco Bell restaurant	22 people in New	
Taco Bell restaurant	22 people in NJ are	
Taco Bell restaurant	22 people in New	
Taco Bell restaurant	22 people in NJ are	
Taco Bell restaurant	22 people in New	
Taco Bell	"more than three dozen"	
Taco Bell,	0	
Taco Bell restaurant	Over 3 dozen people	
Taco Bell	"at least three dozen"	
Taco Bell,	23	
Taco Bell restaurant	At least 3 dozen	
Taco Bell	"more than three dozen"	
Taco Bell	22	
Taco Bell restaurant	22 people in New	
Taco Bell	additional 12	
Taco Bell	0	
0	0	

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12-06-2006 HIGH Alert SITREP - Multistate Outbreak of E. coli O157 associated with Taco Bell

CDC RESPONSE STATUS: OPEN
DATE OF EVENT: 12/06/06
TIME OF NOTIFICATION: 12/06/06
LOCATION OF EVENT: Multiple states (CT, NJ, NY, PA, DE)
ORGANIZATION REQUESTING ASSISTANCE: Multiple-states
LEAD AGENCY: FDA/CDC
LEAD CDC CIO: CDC/CCID
DESCRIPTION: Multi-state outbreak of *E. coli* O157:H7 infections

NARRATIVE:

Forty-three probable cases (evidence of *E. coli* O157 infection and with Taco Bell exposure) and 33 suspect cases (illness after Taco Bell exposure and testing underway or not done) are under investigation in 5 states (NJ, NY, PA, CT and DE). The one DE case ate at a Taco Bell in NJ.

Interviews of recent *E. coli* infections indicate that a very high proportion had eaten at Taco Bell, and multiple Taco Bell restaurants are involved in each locality. Of the 38 probable cases from whom information was provided, illness onsets ranged from 11/20 to 12/02.

PFGE information for case isolates will be available later today (isolate from DE). The risk to the public is considered to be ongoing and expect that additional cases will be identified in the coming days. Investigations are ongoing among local, state, CDC and FDA investigators to identify the specific food source.

Case count updates from each state according to the agreed upon case definitions will occur by 1:00 each day, with follow up conference calls with public health officials at 2:30 EST daily.

ACTIONS:

Epidemiologic investigations have begun.

CDC website update anticipated to be up today by 6:00pm.

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Press releases from states to be shared with CDC and FDA. CDC will have daily conference calls with state and local public health officials, FDA, and FSIS.

SITREP AUTHOR: Martha Iwamoto, MD, MPH

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DATE OF EVENT: 12/06/06

TIME OF NOTIFICATION: 12/06/06

LOCATION OF EVENT: Multi-states: CT, NJ, NY, PA, DE

ORGANIZATION REQUESTING ASSISTANCE: Multi-states

LEAD AGENCY: FDA/CDC

LEAD CDC CIO: CDC/CCID

DESCRIPTION: Multi-state outbreak of *E. coli* O157:H7 infections

ACTION TAKEN:

NARRATIVE:

ACTIONS:

SITREP AUTHOR:

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Multi-state *E.Coli* Outbreak- Taco Bell

1. Situation. Approximately 70 cases of *E.Coli* are under investigation in 5 states (NJ, NY, PA, CT and DE). The one DE case ate at a Taco Bell in NJ.
2. Mission. Effective Dec 6, 0800 hrs the DEOC is in a Tier 1 Response for the multi-state *E.Coli* outbreak. As needed DEO-Ops personnel will report to their assigned IMS Functions.
3. Execution. Implement response procedures in accordance with Standard Operating Procedures (SOP).

Task:

- a. Task Tracker/RFA/RFI
Dec 7
0700-1530- Cassie Rolle/Russell Baker
1000-1830- Willie Phillips
Dec 8
0700-1530- Willie Phillips
1000-1830- Gray Smithson
- b. AV
0700-1530- Mike Sapp
0830-1700- Jimmy Fortner
- c. Admin
Regular Hours- Cheryl Boone/Randi Epps
0900-1800- Denise Butler

Coordinating Instructions:

- a. Admin/Duty Officer-Team Room Assignments. #3003, 3004, and 3005
- b. Admin/John Aldahondo-Badge Access
- c. Admin/Duty Officer- Portal/folder permissions
- d. Harvey Howard-Create *E.Coli* IMS Chart (Export into a spreadsheet)

Operating Procedures

- a. Log-in into the Event Mailbox. (eoecoli@cdc.gov)
- b. Email Distribution:
 - i. Send email to appropriate IMS email boxes
 - ii. Need to send to specific teams and individuals
- c. IAP Distribution:
 - i. *E. coli* Taco Bell Distribution list
 - ii. CIO EC Distribution List
 - iii. cc Dr. Besser and Mr. Carver
 - iv. FDA: EMOPS@fda.hhs.gov, israel.santiago@fda.hhs.gov
 - v. HHS-SOC
- d. IAP Distribution:
 - i. *E. coli* Spinach and CDC Botulism Distribution list

- ii. CIO EC Distribution List
 - iii. cc Dr. Besser and Mr. Carver
 - iv. FDA: EMOPS@fda.hhs.gov, israel.santiago@fda.hhs.gov
 - v. HHS-SOC
 - e. SITREP Distributions:
 - i. Normal Distribution list (+), Chris Braden
 - ii. After 20 minutes-HHS
 - iii. After 20 minutes-FDA: EMOPS@fda.hhs.gov, israel.santiago@fda.hhs.gov
 - f. FDA Incident Updates Distributions:
 - i. E. coli Spinach and CDC Botulism Distribution list
 - g. Conference / Bridge Calendar
 - i. Update routinely throughout the day
 - ii. Ensure it matches with the Staff Rhythm
 - h. Staff Rhythm (Daily and Event):
 - i. Update routinely throughout the day
 - ii. Create Staff Rhythm and save it in: \\fops-irm-eoc\data\Emergency Operations\Event\DEOC_Ecoli Outbreak\Staff Rhythm
 - iii. Post on video wall (Daily on the left / Event Right)
 - i. PWMS:
 - i. Update routinely throughout the day
 - ii. Update internal / field teams: E. coli – Taco Bell
 - iii. Create team rosters and save them in: \\fops-irm-eoc\data\Emergency Operations\Event\DEOC_Ecoli Outbreak\Functional Role Folders\Operation_Sections\Personnel_Resource_MGT_Branch\Deployment_Rostering
 - iv. Send copy to IMS IAP and IMS Operations Information
 - j. Conference Room Set Up:
 - i. Set Up name plates in the Exe. CR
 - ii. Work with PTIE and ensure agenda and any handouts are present @ each seat
4. Logistic Support.
- a. Admin Team provide office supplies as needed
 - b. All other logistic support will follow normal operating procedures
5. Command and Control.
- a. Incident Manger- Phil Navin
 - b. Chief Health Science- David Warnock

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

Updated numbers for
Wednesday, December 6, 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 6, 2006, 1:00pm EST

State	Confirmed	Probable	Suspect
CT	0	0	2
DE	0	1	0
NJ	0	20	7
NY	0	15	15
PA	0	7	9
Grand Total	0	43	33

- 5 states reported cases
 - 4 states reporting confirmed and/or probable cases (DE, NJ, NY, PA)
- 0 confirmed, 43 probable, and 33 suspect cases reported to CDC

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 6, 2006, 1:00pm EST

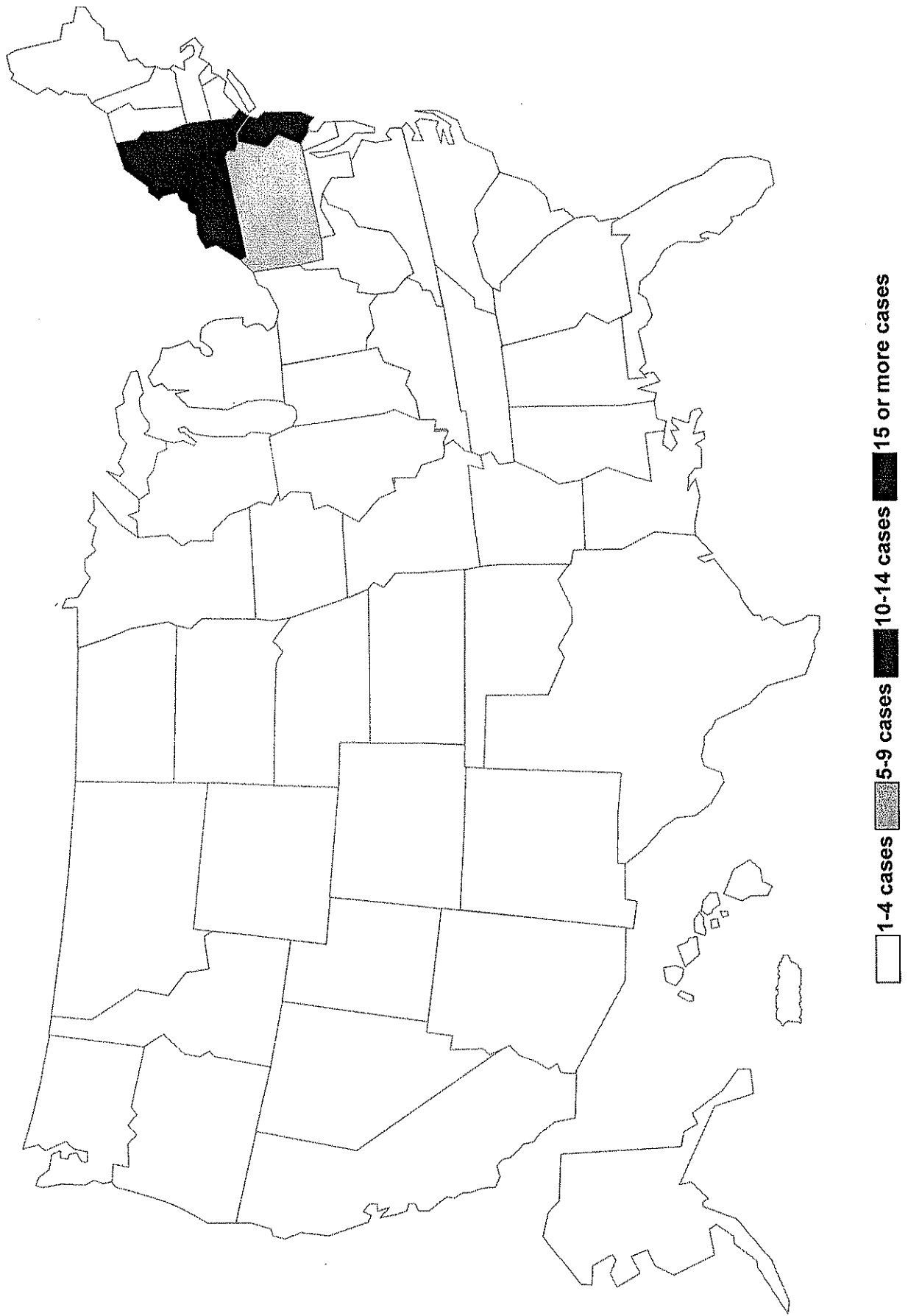


Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST

Demographics, N=43	
Age in years, range (median)	4-61 (17.5)
Age Categories, n (%)	
< 5 years	1 (2)
5 - 17 years	18 (42)
18 - 59 years	17 (40)
> 59 years	2 (5)
Gender, n (%)	
Female	17 (40)
Male	21 (49)

*Percentages may not add to 100 due to missing observations

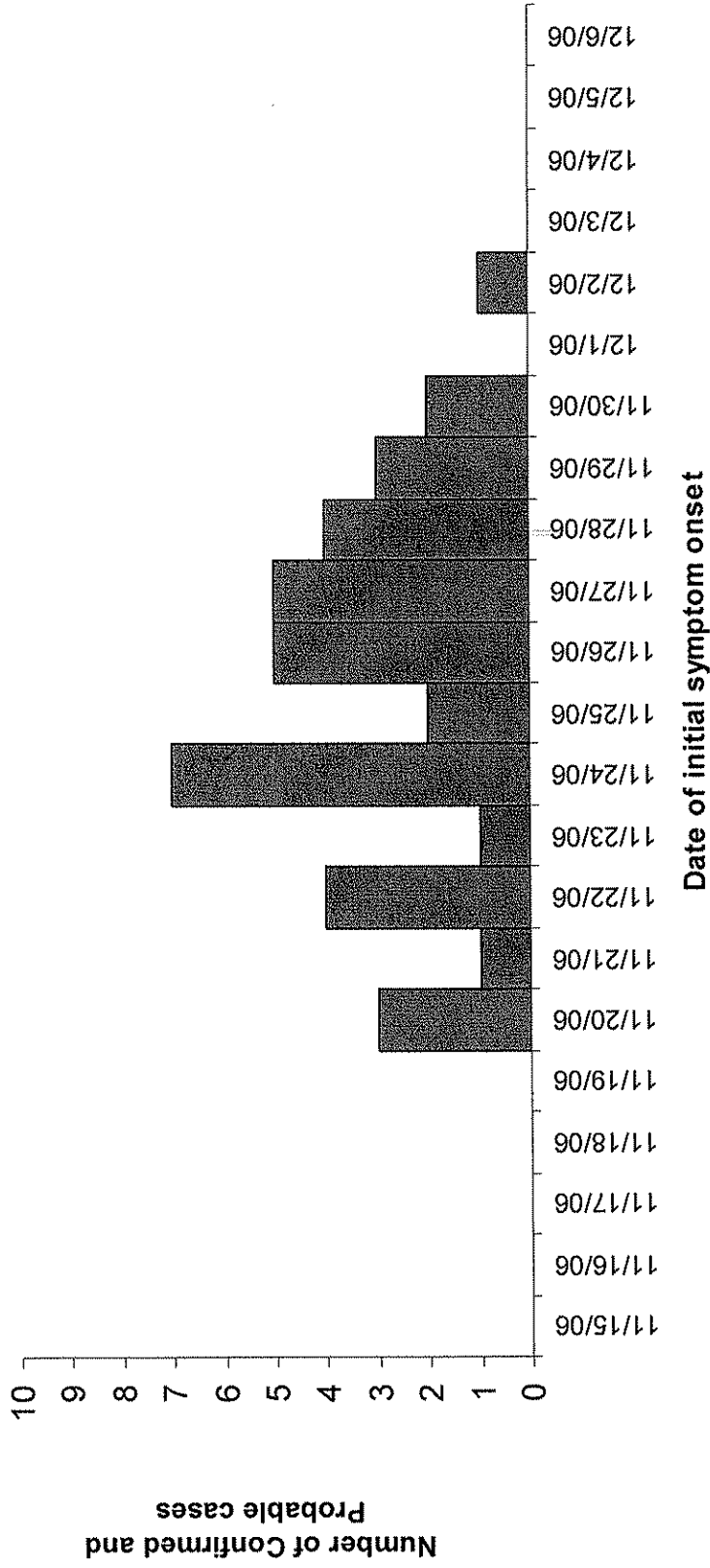
Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST

Outcome, N=43	n (%)
Hospitalized	35 (74)
HUS	3 (7)
Death	0 (0)

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

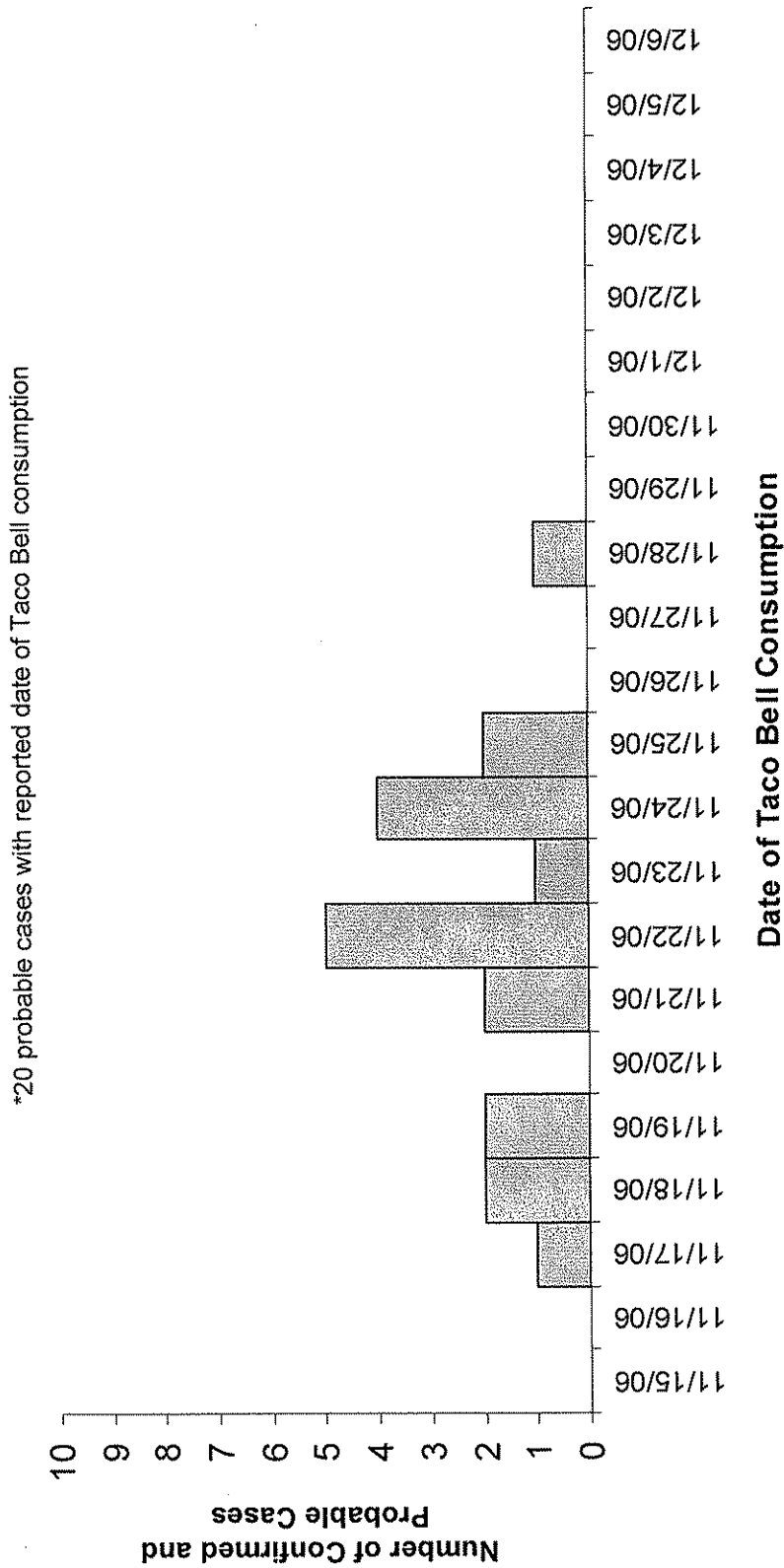
Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST (N=38*)

*38 probable cases with reported date of initial symptom onset



- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 6, 2006, 1:00pm EST
(N=20*)



- Date of Taco Bell consumption range: 11/17/2006 – 11/28/2006

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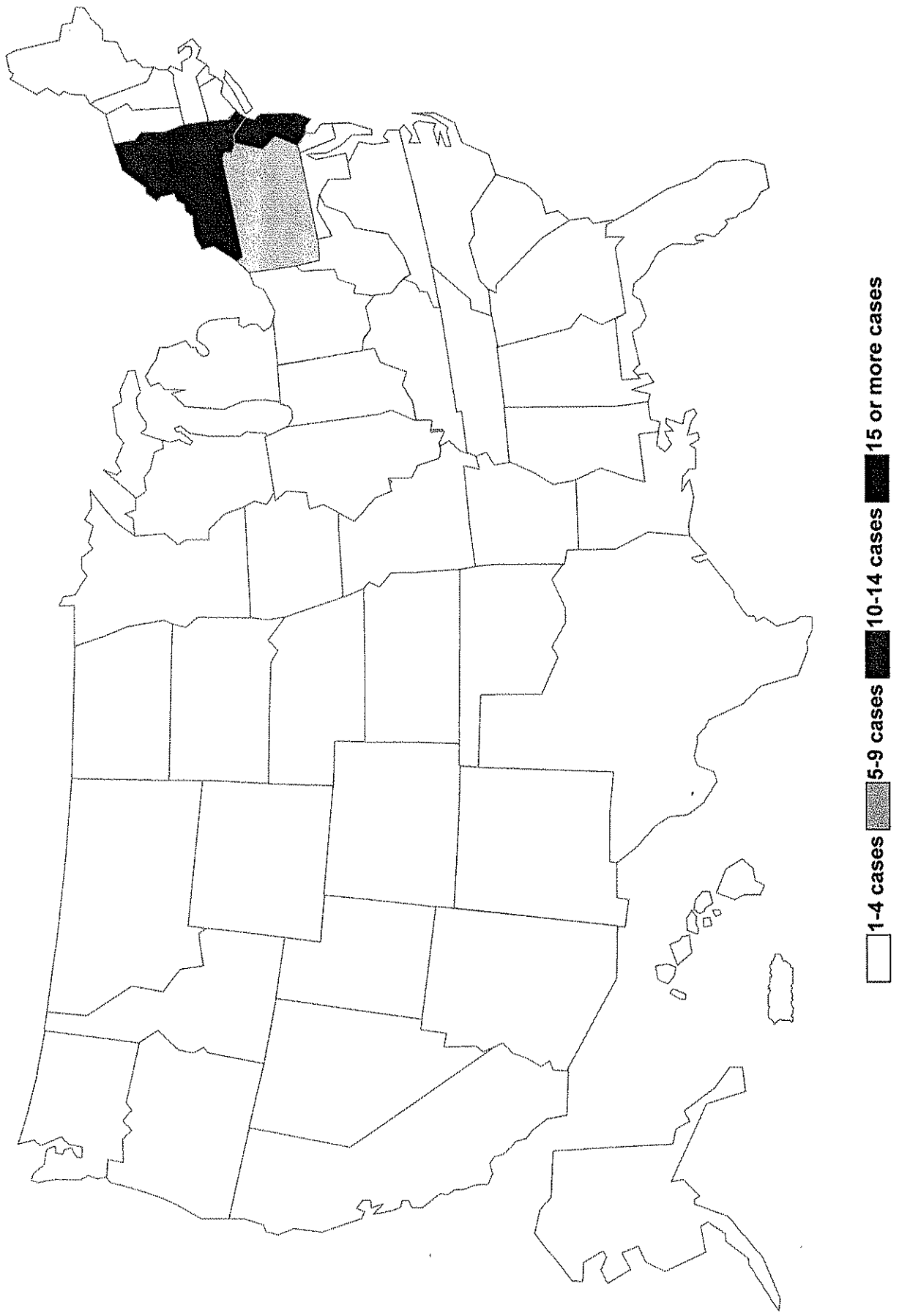


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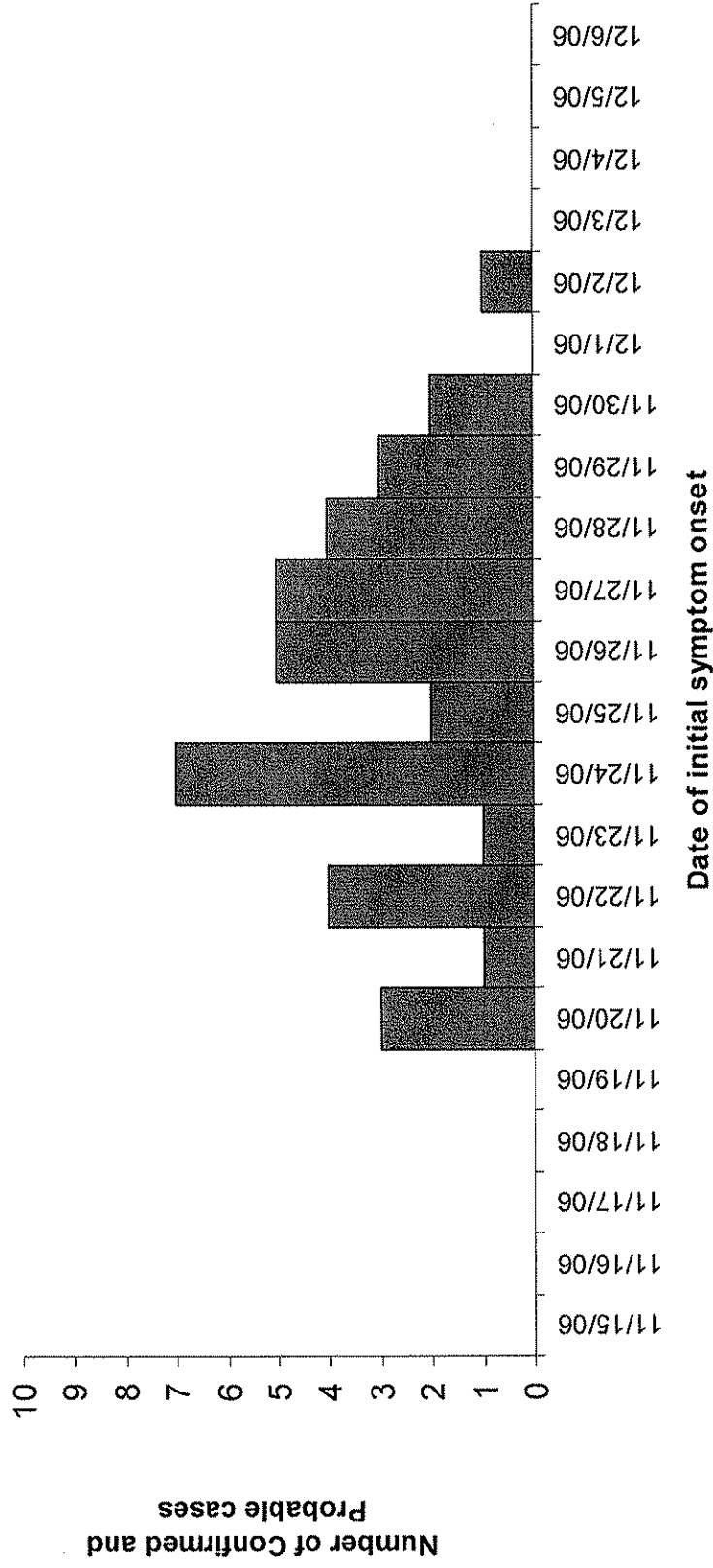
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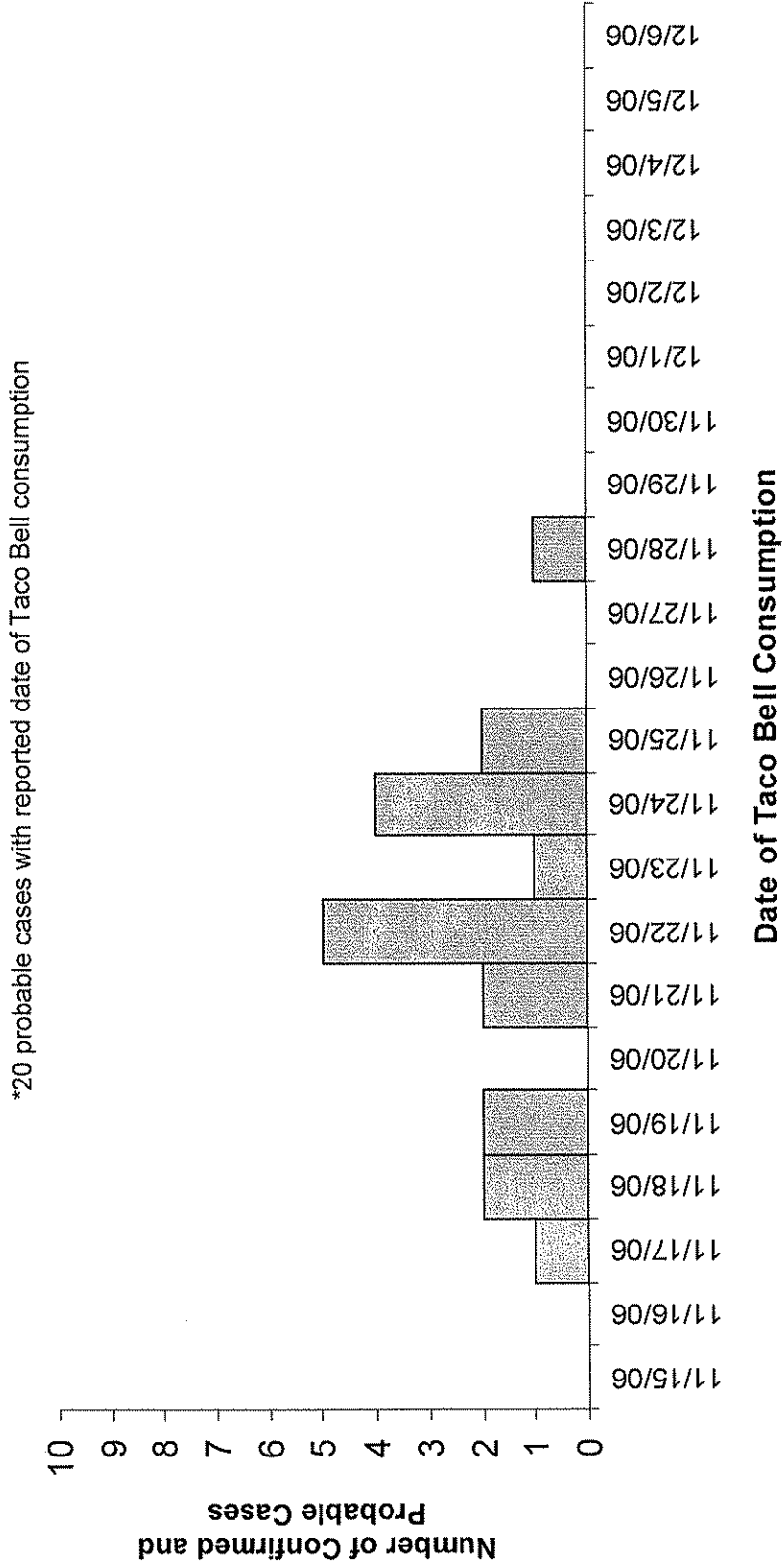
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THE CITY OF NEW YORK

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Michael R. Bloomberg
Mayor

Thomas R. Frieden, M.D., M.P.H.
Commissioner

nyc.gov/health

2006 Alert # 40:

Increase in *E. coli* O157:H7 in Counties Surrounding New York City

- An increase in *E. coli* O157 cases has been reported in counties surrounding New York City. No cases have been reported among New York City residents since November 1, 2006.
- Healthcare providers should specifically request testing for Shiga toxin producing *E. coli* (STEC) in patients being evaluated for bloody diarrhea or hemolytic uremic syndrome (HUS). The medium of choice for isolation is sorbitol-MacConkey (SMAC) agar.
- Immediately report all suspected and confirmed cases of STEC infection or HUS to the New York City Department of Health and Mental Hygiene (DOHMH).
- Send suspect and culture confirmed STEC (including *E. coli* O157:H7) isolates to the Public Health Laboratory (PHL) for confirmation, serotyping, and pulsed-field gel electrophoresis (PFGE).
 - Timely submission of STEC specimens is crucial to facilitate prompt recognition and investigation of potential outbreaks of *E. coli* O157:H7.
 - Laboratories should send original stool specimens (or broths) to PHL when patient are Shiga toxin positive, even in the absence of culture confirmation.

Please Distribute to All Clinical Staff in Pediatrics, Primary Care, Infectious Diseases, Emergency Medicine, Family Medicine, Laboratory Medicine and Infection Control Staff

December 4, 2006

Dear Colleagues,

Due to an increase in *E. coli* O157:H7 cases in jurisdictions surrounding New York City, DOHMH wishes to remind physicians to consider Shiga toxin producing *E. coli* (STEC) in the differential diagnosis for patients presenting with bloody diarrhea, diarrhea with fever, hemolytic uremic syndrome (HUS) or thrombocytopenic purpura (TTP). Epidemiologic investigation of

the cases outside of New York City to determine the likely source is ongoing. The New York City Department of Health and Mental Hygiene has not received a report of *E. coli* O157:H7 infection among New York City residents since November 1, 2006. DOHMH receives an average of 25 cases per year.

The *E. coli* O157:H7 bacterium causes diarrhea that is often bloody and accompanied by abdominal cramps, and fever may be absent or mild in adults. The illness typically resolves within a week. However, some patients, especially young children and the elderly, may develop HUS. HUS is characterized by the acute onset of microangiopathic hemolytic anemia, renal injury, and low platelet count. Treatment is supportive; anti-diarrheal medications and antibiotics are not recommended as both have been associated with adverse outcomes.

DOHMH reminds healthcare providers to specifically request testing for STEC (including *E. coli* O157:H7) in individuals, especially children, who present with bloody diarrhea, hemolytic anemia, or renal failure. *E. coli* O157:H7 is not detected by standard methods used for other common bacterial enteric pathogens. The medium of choice for isolation is sorbitol-MacConkey (SMAC) agar. **Laboratories should attempt to isolate *E. coli* O157:H7 in addition to standard testing for detection of Shiga-toxin producing bacteria.**

In order to completely investigate these reports it is necessary for all suspect and culture confirmed STEC (including *E. coli* O157:H7) isolates to be forwarded to the Public Health Laboratory (PHL) for confirmation, serotyping, and pulsed-field gel electrophoresis (PFGE). As laboratories are increasingly using non-culture based methods (e.g., rapid diagnostic tests for shiga toxin production), laboratories should send original stool specimens (or broths) to PHL when a patient is Shiga toxin positive and either culture negative or no culture test was done. Specimens that are both shiga toxin negative and culture negative do not need to be forwarded.

All suspect STEC isolates should be forwarded to NYC DOHMH's Public Health Laboratory (PHL) for confirmation, serotyping, and PFGE. Labs which are only performing rapid diagnostic testing to determine shiga toxin production should forward all original stool specimens or broths to PHL for culture. Please forward cultures and specimens to:

Lillian Lee MS, SM (NRM-ASCP), Chief of Microbiology Services
Public Health Laboratory, Rm 136
455 First Ave
New York, NY 10016
(212) 447-6970

All laboratory positive STEC cases and any suspected cases of HUS should be reported immediately, to help us identify outbreak-associated cases. Please contact us as follows:

During business hours: Bureau of Communicable Disease at (212) 788-9830.
After hours: Poison Control Center at 800-222-1222.

As always, we appreciate your continued assistance in addressing emerging disease issues.

Sincerely,

Vasudha Reddy, MPH
Vasudha Reddy, MPH
Bureau of Communicable Disease

Sharon Balter, MD
Sharon Balter, MD
Bureau of Communicable Disease

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

General Information

- Yesterday afternoon was first conference call with affected states regarding *E. coli* outbreak relating to Taco Bell in Northeastern U.S. First IAP to be published this afternoon.
- States affected are Connecticut, Delaware, New Jersey, New York, and Pennsylvania
- Yum! Brands Foods, owner of Taco Bell, has had 2 out of 3 preliminary samples test positive for *E. coli* O157:H7 from pre-chopped and bagged green onions. Still awaiting positive confirmation from CDC/FDA.
- Taco Bell has completely removed green onions from all restaurants nationwide (voluntarily).
- Congresswoman Edith Holleman, Energy and Commerce Committee to be on 1430 conference call today.

E. coli Update

- 76 cases in 5 states
- Demographics (mainly adult males)
 - 43 probable cases
 - 33 suspected cases
 - 35 cases with hospitalization
 - 3 cases with HUS
 - No deaths reported

FDA Update

- FDA issued first press release on their website yesterday.
- Obtaining samples of all non-meat items served at Taco Bell that could possibly carry *E. coli* O157.
- Aside from green onions, will also be looking at lettuce, cilantro, yellow onions, cheese (cheddar and blended), and tomatoes as suspect food items.

Media Update

- 1100 EST today, ABC Nightline to tape video of CDC PulseNET Lab.
- Epi-X forthcoming, HAN on hold

0830 CDC Internal Meeting- Exec Conf Room

Bruce Burney	Gail Williams	Ali Khan
Michael Johnson	David Warnock	Rob Tauxe
Chris Braden	John Aldahondo	Patty Griffin
Karen Deasy	Peter ??	

Current Staff Rhythm:

0830 CDC Internal call and Update
0930 CDC/HHS/FDA Conference Call
1300 Final Case Count Cut-off
1430 State Partners Conference Call (*E. coli*)
1700 IAP Distribution

E. coli Update

- Dr. Braden – Risk could be ongoing, outbreak is not over, expect additional cases
- PFGE information will help a lot by helping to tie-in other cases
- 76 cases in 5 states (2 new states, VA & MD)
 - Two new cases (VA-1, MA-1)
 - 33 suspected cases (2 new)
 - 43 probable cases
 - Range of onset is 11/20 – 12/2
- Demographics remain the same.
 - 35 cases with hospitalization (45%)
 - 3 cases with HUS (7%)
 - No deaths reported
- Will continue case reports throughout the week.
- Overnight information:
 - Had conference call with Yum Foods last night at 2100 EST
 - Yum Foods has three samples of green onions positive for O157, both from stores and not from stores (pre-chopped and bagged); onions are cut at the stem with root in ground (from CA)
 - 2 out of 3 samples tested positive with preliminary testing (dipstick testing) – upon culturing, identified typical looking colonies; agglutinate with O157, got strong colonies – will be re-agglutinating today.
 - Have not completed bio-chemicals yet to verify *E. coli*
 - Obtained two other samples of green onion (both preliminary positives from dipstick antigen testing)
 - Lot numbers identified by “used by” date (12-5 and 12-6).
 - What is shelf life? Store shelf life is five days
 - Implication is that they are seeing more than one lot positive
 - Supplier to Yum Foods, Boskovich Farms in Oxford, CA
 - Preliminary evidence, not confirmed
 - Green onions being produced like this (pre-chopped and bagged) only going to Taco Bell

- Very possible that one lot could go to another area of the country
- Get isolates to CDC for type testing? Trying to keep CDC labs in the loop with Yum Foods for testing.
- Yum Foods to conduct Eliza Shiga Toxin test on the broth today.
 - Which specimens split at Yum Foods should go to FDA or to CDC?
 - Need to coordinate with Yum Foods for guidance.
- Taco Bell has completely removed green onions from all restaurants nationwide.
 - Food has been discarded, areas sanitized and cleaned (to various degrees)
- States PulseNET update: one patient in VA on 12/1, another in MA (unknown date)
 - Outbreak was not detected by PulseNET
- NY and NJ Epidemiologists agreed that CDC should take the lead on this outbreak.
- Foodborne Group/Team moving over to the DEOC later today.
- Interviews for case control studies will be coordinated by the affected states' EIS officers in conjunction with CDC.
 - CDC will be glad to do the interviews – if states cannot get them done in 12 hours, CDC wants to know so that we may assist.

Media Inquiries

- ABC Nightline coming in at 1100 EST to tape video at CDC PulseNET Lab.
- FDA issued a press release last night
- Epi-X forthcoming, HAN on hold

Congressional

- Congresswoman Edith Holleman, Energy and Commerce Committee (oversite) Legal Counsel to be on afternoon conference call.

Plans Update

Ops Update

- Still here to support AAR.

HHS/FDA/CDC/USDA Call 0930

Bruce Burney	David Warnock	Keith Holterman
Gail Williams	Michael Johnson	Karen Deasy (FDA)
HHS SOC	Chris Braden	Kevin Yesky (HHS)
Ellen Morrison (FDA EOC)	USDA EOC	Andy Platt (Region II)
Mitch Cohen	Elizabeth Hagen (USDA EOC)	Rob Tauxe

Current Staff Rhythm:

0830 CDC Internal call and Update
0930 CDC/HHS/FDA Conference Call
1300 Final Case Count Cut-off
1430 State Partners Conference Call (*E. coli*)
1700 IAP Distribution

CDC Update

- Burney - CDC DEOC is activated
- Braden – case counts are consistent with the agreed upon case definitions with CDC/FDA/Affected states
- 76 cases, 5 states
 - Median age is 17, mostly male (49%)
 - 33 suspect cases reported
 - 43 probable cases reported
 - Most recent onset is between 11/20 and 12/2 on probable cases.
 - Suspect cases more recent and up to 12/5 to our knowledge
- Demographics unchanged. (mainly adult males)
 - 35 hospitalized (45%)
 - 3 HUS (7%)
 - no deaths reported
- Yum Foods reporting to FDA their testing of three samples on two lots of green onions (dipstick test with unknown sensitivity and specificity)
- Two results were positive. Based on these results of presumptive testing, all green onions pulled from Taco Bells nationwide. Will be resorting to another conventional testing method today.
- No confirmed *E. coli* O157:H7 in green onions at this time. No particular food item implicated at this point.
- common distributor is in NJ (name not given)
- First PulseNet pattern from DE patient..... has only occurred in the database 3 times in the last 20 years (unknown what type of food). Two other distinguishable patterns submitted in the last two weeks (VA – 12/1 and MA – unknown when received) Now have three matching isolates. Anticipate NJ and NY will upload isolate information today.

- Have finalized epidemiology questionnaires for case control study. There is a working group in each state to conduct the studies starting today. No information to share as of yet; will possibly take a few days to get information and collate it.
- Will maintain current rhythm for case counts (by 1300 daily) and then will confirm the case counts by 1430 conference call.
- CDC projected actions for today:
 - lab conference call at 1000 today with FDA to discuss isolation methods and rapid PulseNet testing.
 - Will be contacting new states (VA and MA) for follow up to see if their patients ate at Taco Bell and if same distributor was utilized.
 - Determining specific food item might take a little longer.

FDA Update

- FDA EOC
 - Press release put out last night on website
 - Will be collecting samples from distributor in NJ (Ready Pack in Florence, NJ). This distributor possibly only distributes to Taco Bell. The green onions are from CA. (requirement for harvesting the green onions is to cut off at ground level, leaving the root)
 - Yum Foods being very cooperative and will bring all distribution records to FDA EOC.
 - Distribution records hopefully will assist in determining why only the current states are affected.
 - Aside from green onions, also looking at lettuce, cilantro, yellow onions, cheese (cheddar and blended), and tomatoes as suspect food items.
 - Domestic or international? Believed to be all domestic
 - False positive rate is unknown at this time (based on food matrix testing)
 - May go back and do more comprehensive inspections of restaurants in NJ at a later date
 - Daily FDA SITREP being submitted into WebEOC
- FDA Region II
 - NY DOH going to start case lining.
 - NJ DOH has not provided update yet. Still conducting business as usual.

USDA Update

- Confirming processes and process control at Yum Brands. All chicken products are heated to 155 degrees and hot held at 160 degrees.
- Standards can be traced back as necessary.

Media Update

HHS Update

- Let us know if we can be of any assistance

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

Updated numbers for
Wednesday, December 6, 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 6, 2006, 1:00pm EST

State	Confirmed	Probable	Suspect
CT	0	0	2
DE	0	1	0
NJ	0	20	7
NY	0	15	15
PA	0	7	9
Grand Total	0	43	33

- 5 states reported cases
 - 4 states reporting confirmed and/or probable cases (DE, NJ, NY, PA)
- 0 confirmed, 43 probable, and 33 suspect cases reported to CDC

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 6, 2006, 1:00pm EST

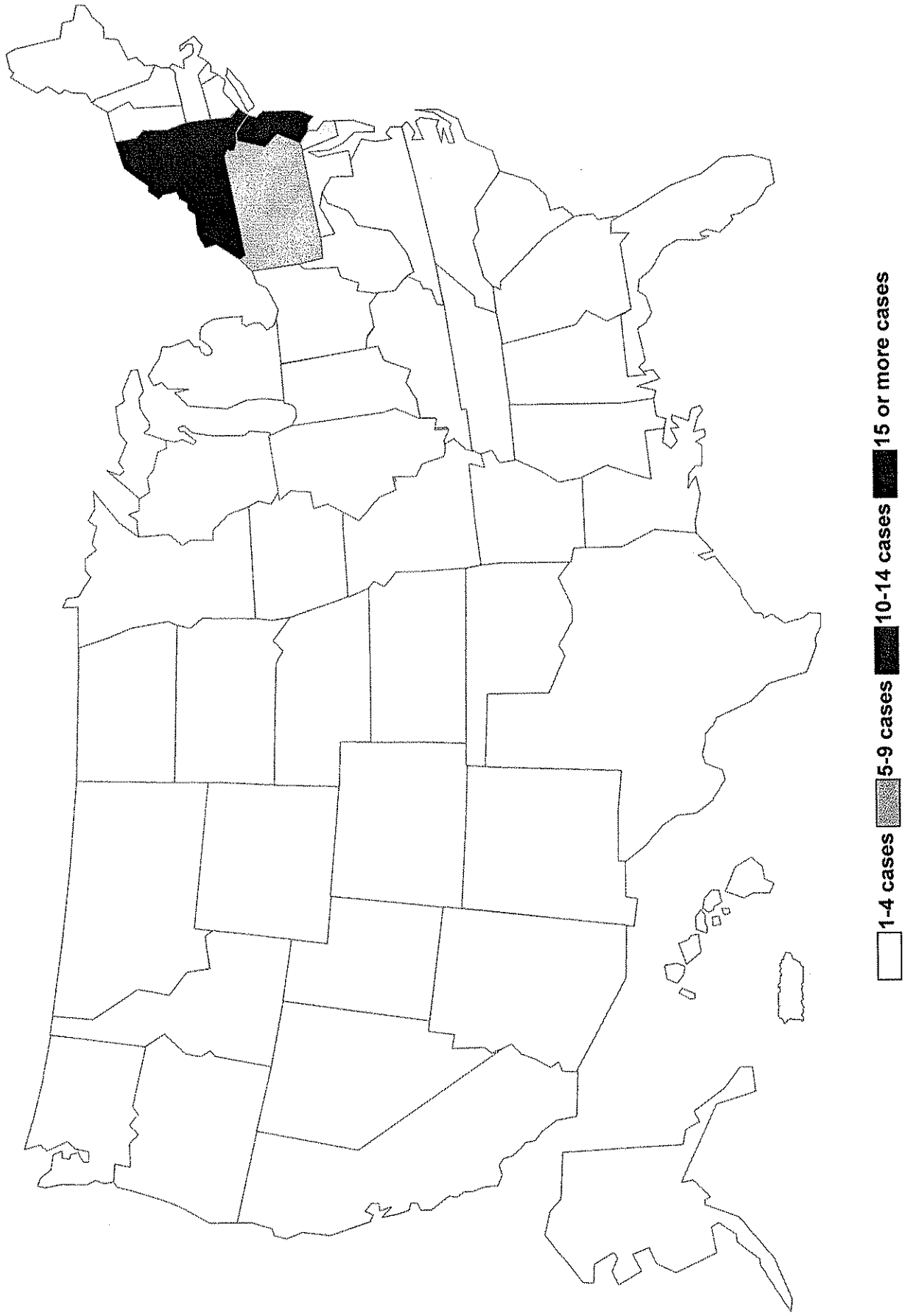


Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST

Demographics, N=43	
Age in years, range (median)	4-61 (17.5)
Age Categories, n (%)	
< 5 years	1 (2)
5 - 17 years	18 (42)
18 - 59 years	17 (40)
> 59 years	2 (5)
Gender, n (%)	
Female	17 (40)
Male	21 (49)

*Percentages may not add to 100 due to missing observations

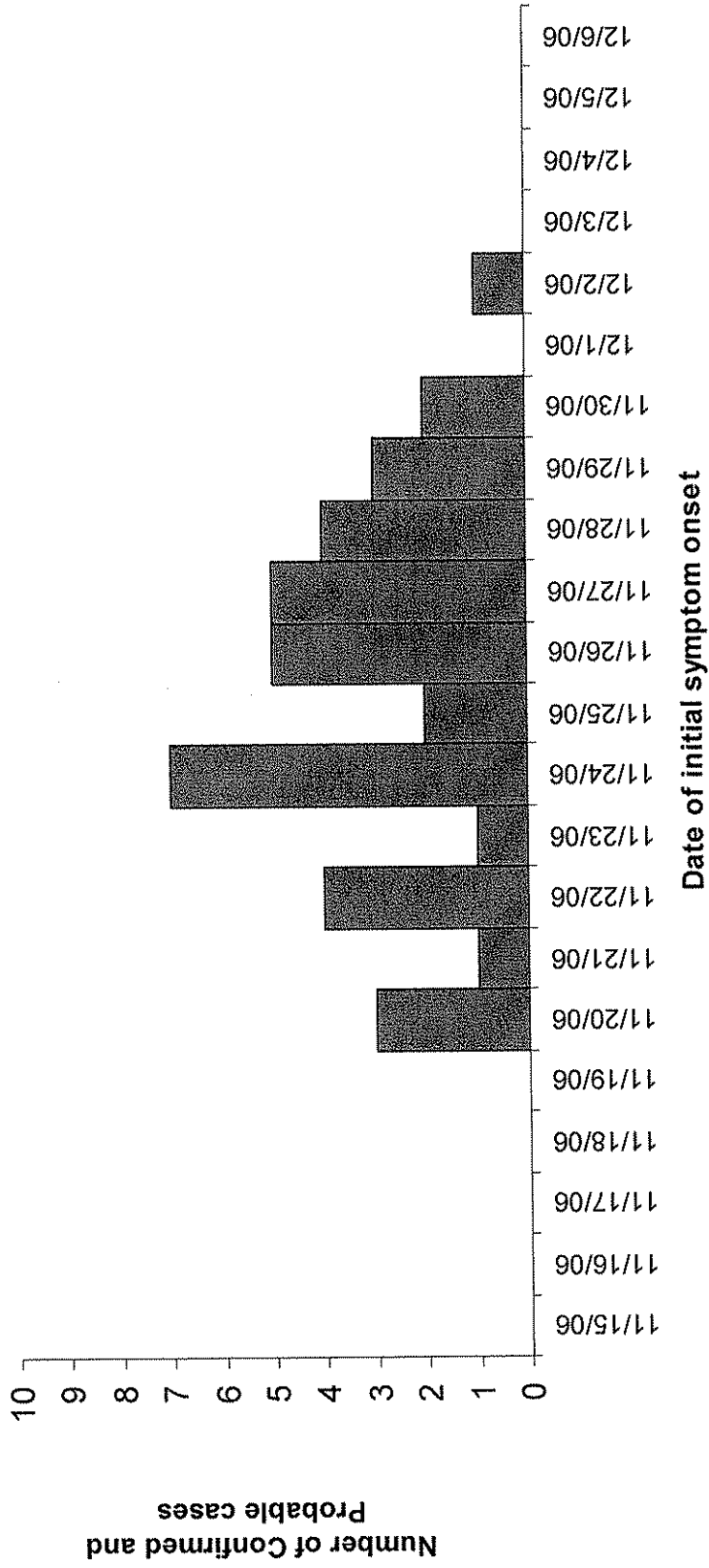
Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST

Outcome, N=43	n (%)
Hospitalized	35 (74)
HUS	3 (7)
Death	0 (0)

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

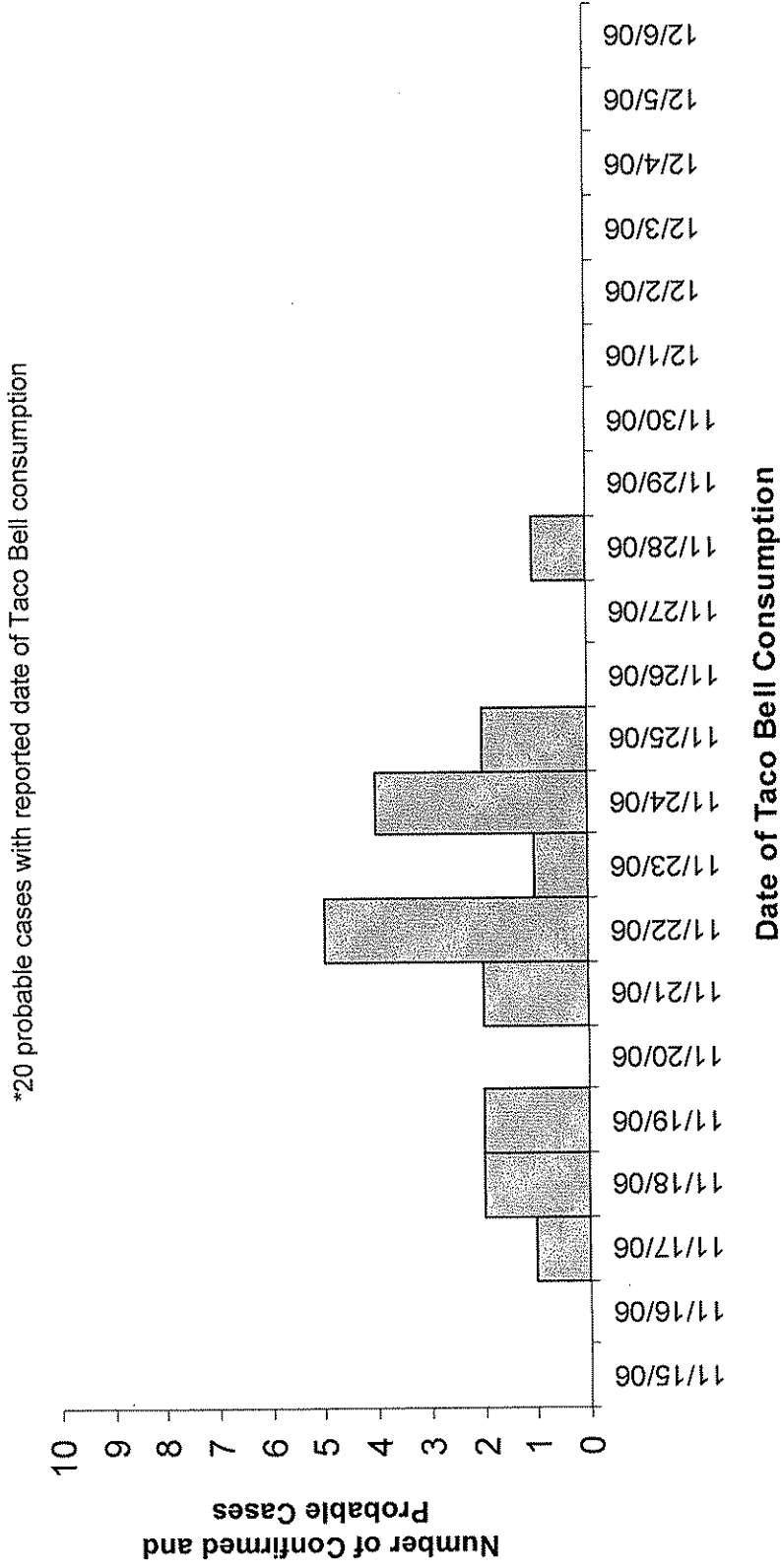
Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST (N=38*)

*38 probable cases with reported date of initial symptom onset



- Illness onset range: 11/20/2006 – 12/2/2006

Figure 3. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases by reported date of Taco Bell Consumption, as of December 6, 2006, 1:00pm EST
(N=20*)



- Date of Taco Bell consumption range: 11/17/2006 – 11/28/2006

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

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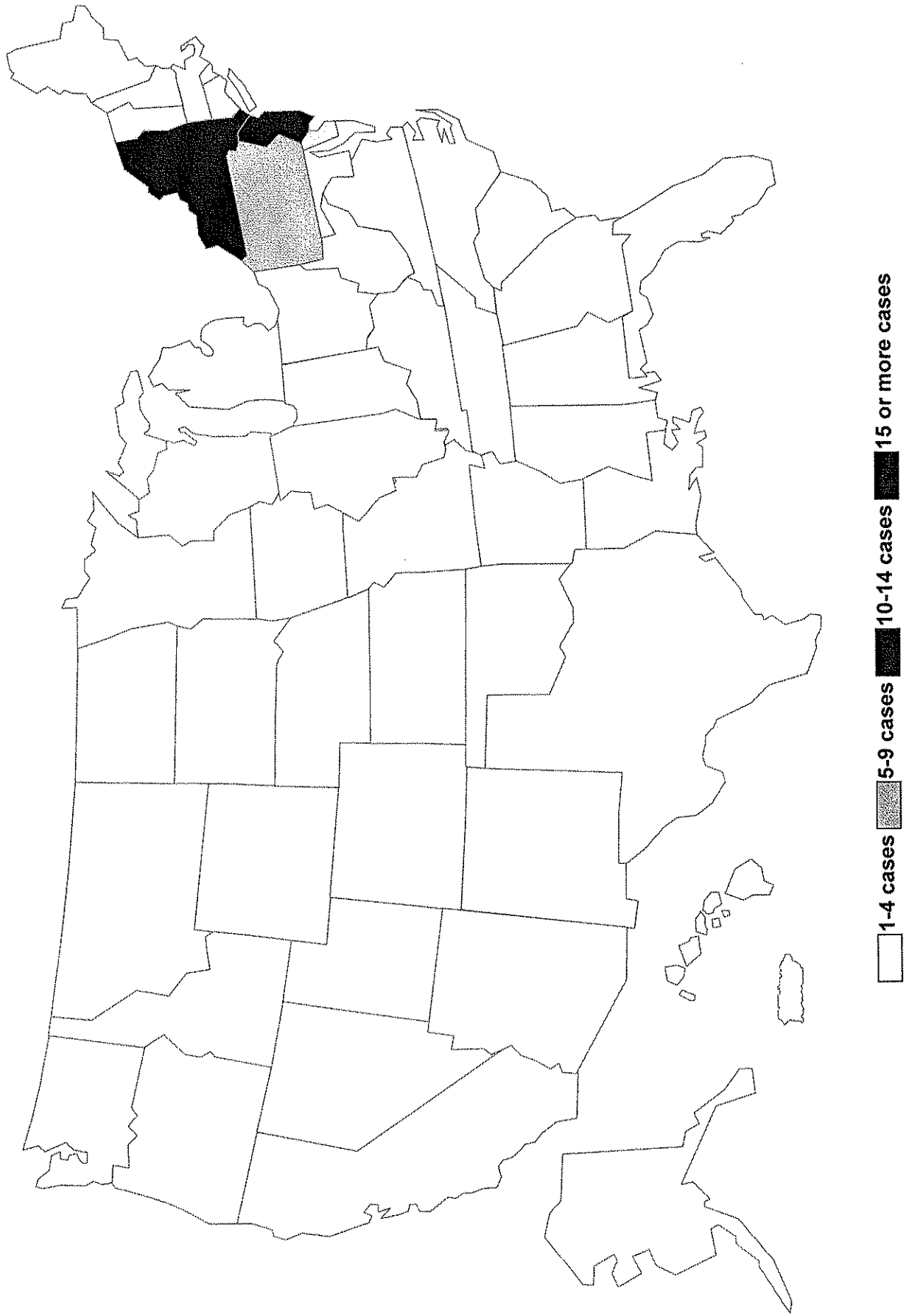


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< 5 years	1 (2)
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Female	17 (40)
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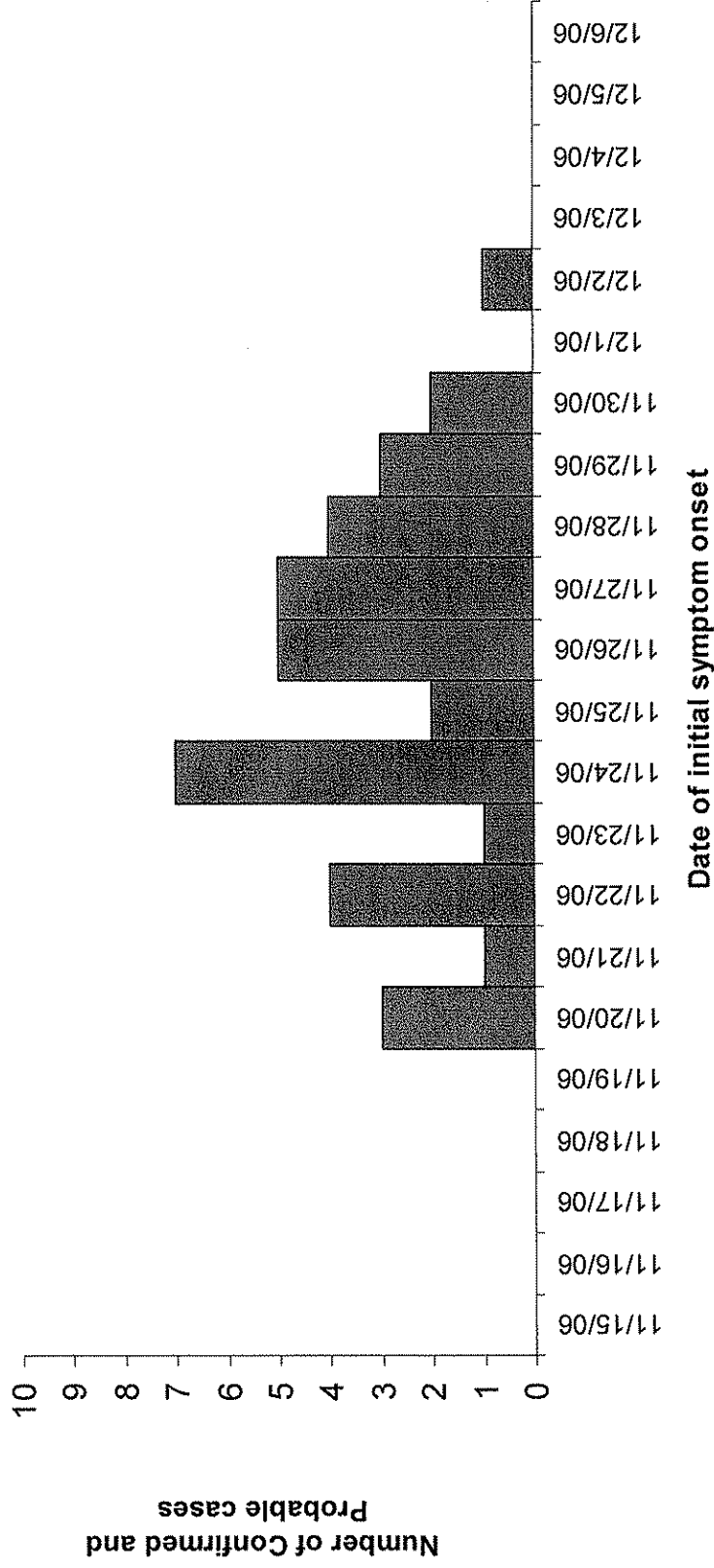
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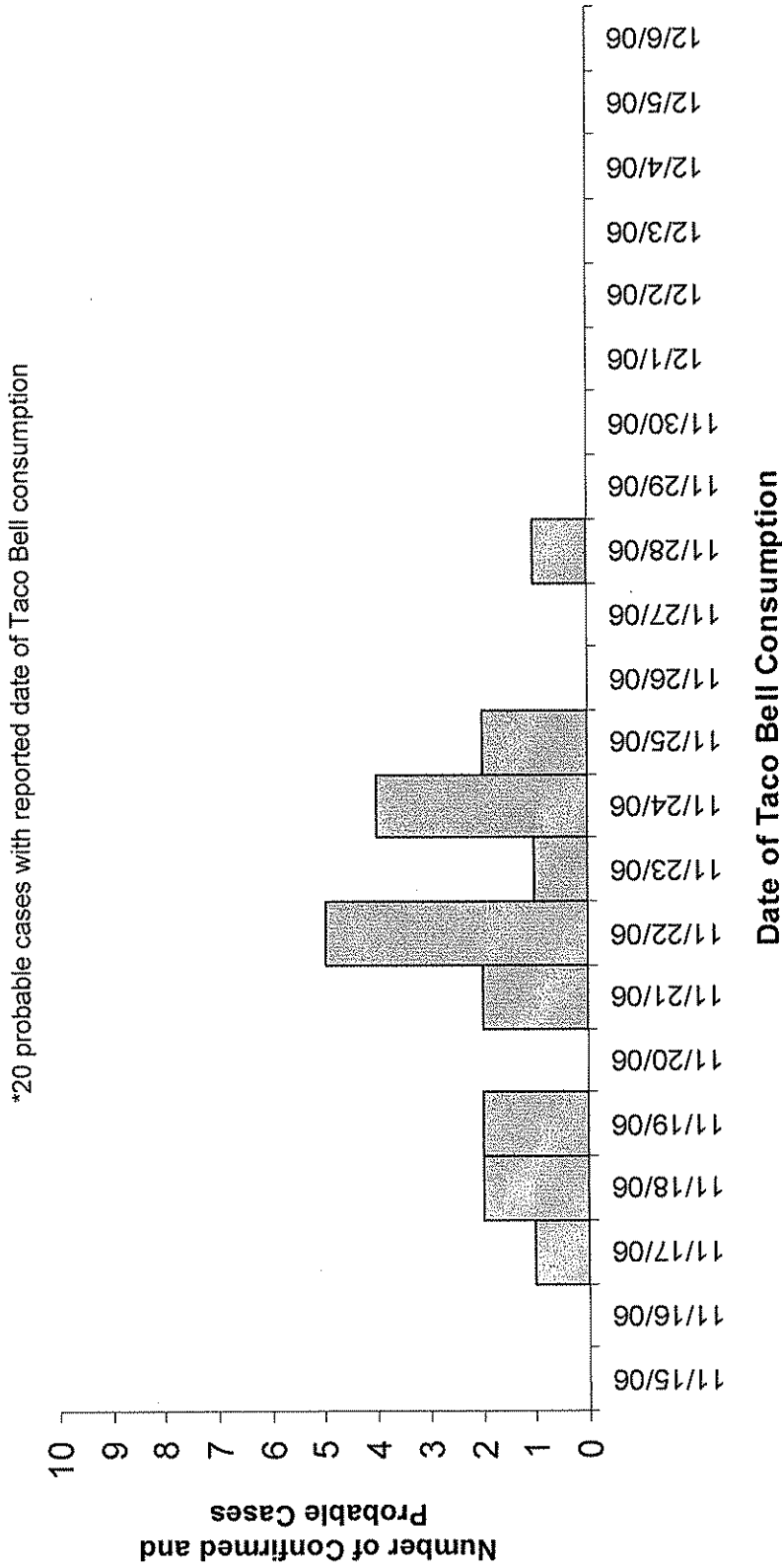
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(N=20*)



- Date of Taco Bell consumption range: 11/17/2006 – 11/28/2006

Multistate *E. coli* O157 / Taco Bell Outbreak

Updated numbers for
Wednesday, December 6, 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 6, 2006, 1:00pm EST

State	Confirmed	Probable	Suspect
CT	0	0	2
NJ	0	20	7
NYC	0	0	1
NYS	0	15	14
PA	0	7	10
Grand Total	0	42	34

- 4 states reported cases
- 0 confirmed, 42 probable, and 34 suspect cases reported to CDC

Figure 1. Confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak reported to CDC as of December 6, 2006, 1:00pm EST

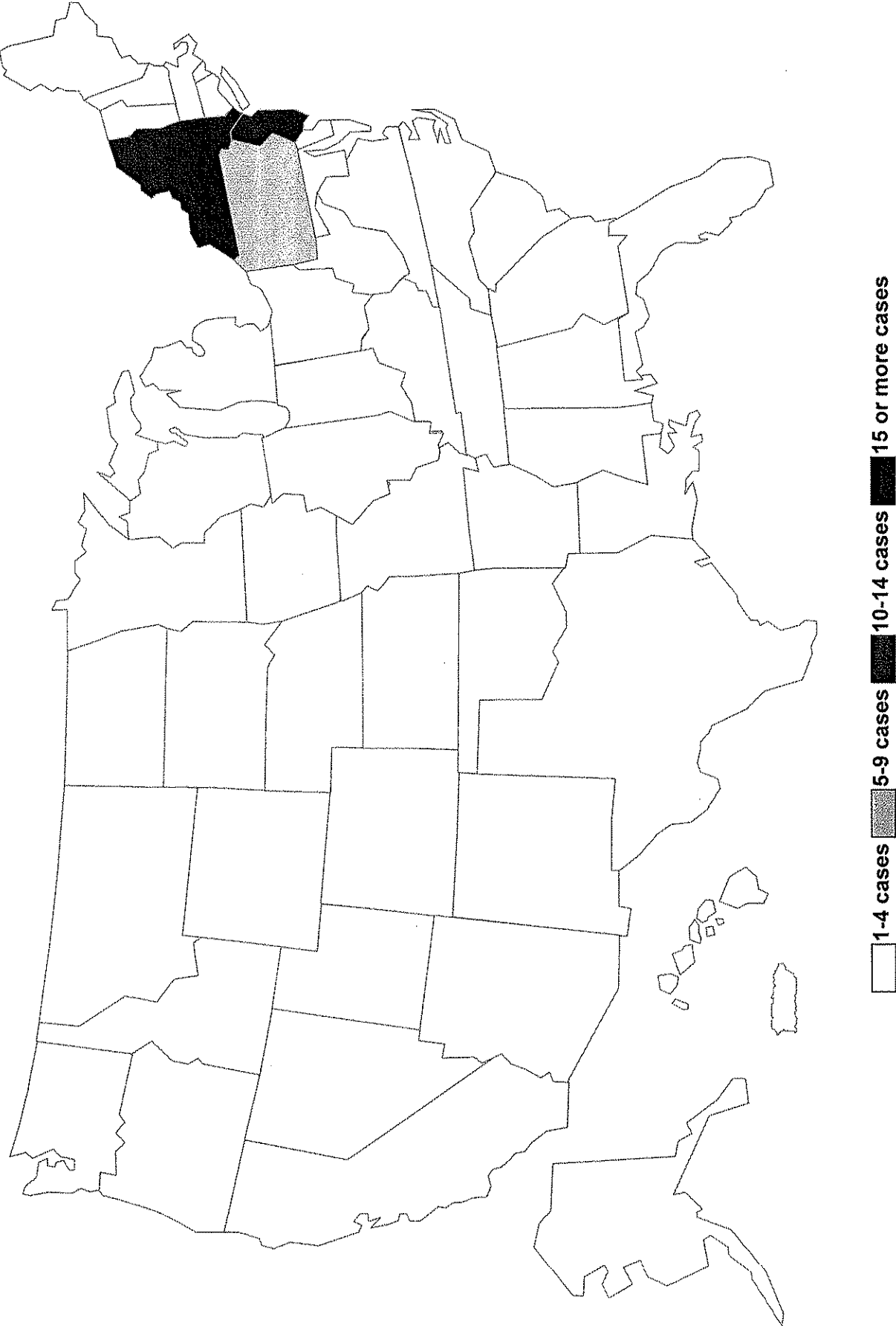


Table 3. Demographic characteristics of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST

Demographics, N=42	
Age in years, range (median)	1-84 (27)
Age Categories, n (%)	
< 5 years	1 (3)
5 - 17 years	18 (47)
18 - 59 years	17 (45)
> 59 years	2 (5)
Gender, n (%)	
Female	17 (40)
Male	21 (50)

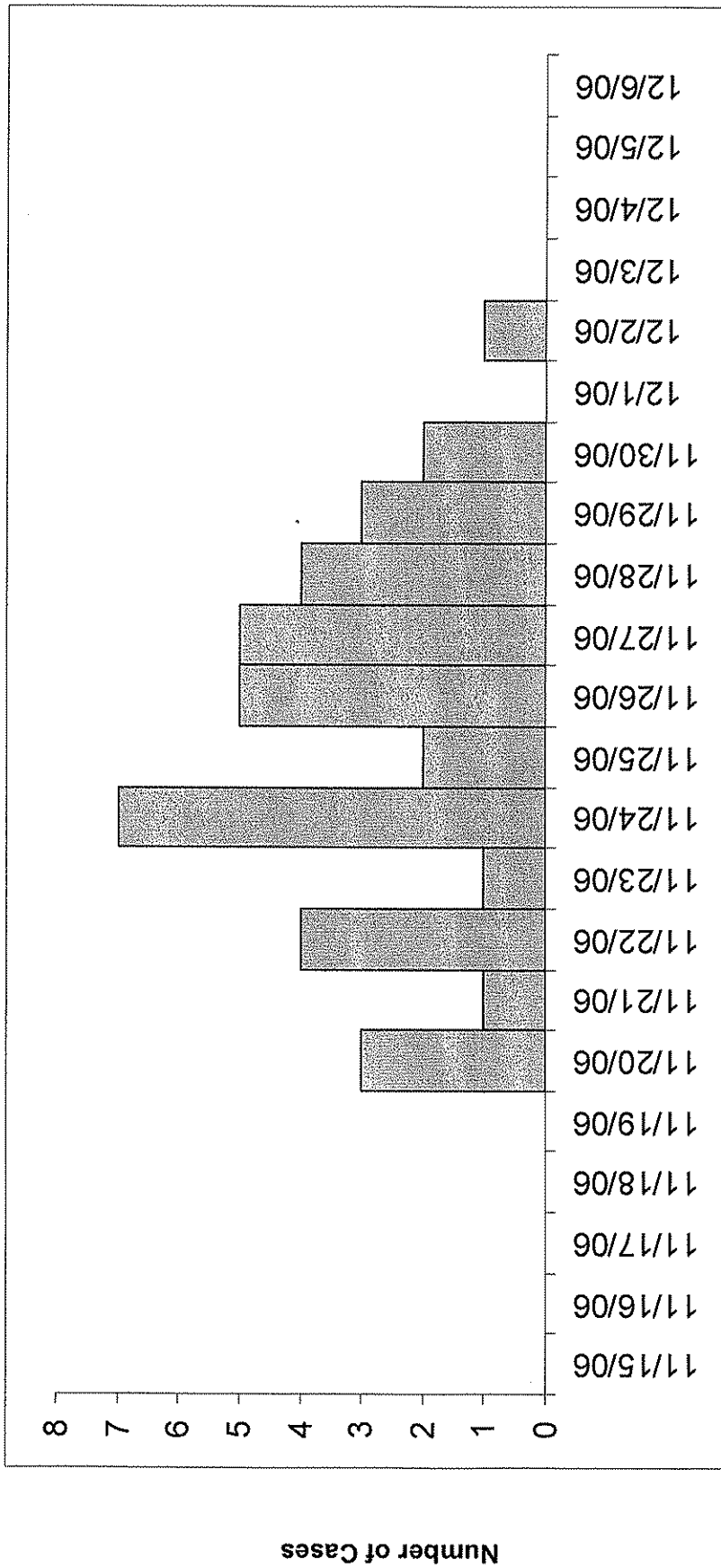
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Table 4. Patient outcomes for confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST

Outcome, N=42	n (%)
Hospitalized	35 (76)
HUS	3 (7)
Death	0 (0)

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

Figure 2. Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST



Date of initial illness onset

Figure 2. TACO BELL CONSUMPTION Epi Curve: Epidemic curve of confirmed and probable cases in the *E. coli* O157 / Taco Bell outbreak, as of December 6, 2006, 1:00pm EST

