Biosurveillance
Validation of Minimum and Target Data Elements

Office of the National Coordinator for Health Information Technology

March 22, 2006

The following information has been provided to you by the Office of the National Coordinator and is a synthesis of data collected from collaboration with the co-chairs, expert members of the community, and other workgroup members. This information should be carefully reviewed and will be validated at the March 22, 2006 Biosurveillance workgroup meeting.

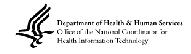## Charges for the Consumer Empowerment Workgroup

- **Broad Charge for the Workgroup:** Make recommendations to the Community to implement the informational tools and business operation to support the real-time nationwide public health event monitoring and rapid response management across public health and care delivery communities and other authorized government agencies.
- **Specific Charge for the Workgroup:** Make recommendations to the Community so that within one year, essential ambulatory care and emergency department visit, utilization, and lab result data from electronically enabled health care delivery and public health systems can be transmitted in standardized and anonymized format to authorized public health agencies within 24 hours.

Background Information

At the January 24, 2006 Biosurveillance Workgroup meeting, the group reviewed and gave input into the minimum and target set of data elements that are critical in moving forward the specific charge of the biosurveillance work group. The revised list is presented below for validation on the March 22, 2006 call.
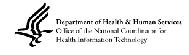
Minimum and Target Data Elements

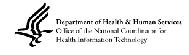| No.	Institution Data	Minimum	Target
1	Hospital Medicare Number	X	X
2	Hospital System*	X	X
3	Main facility ID/name*	X	X

4	Location address*	X	X
5	Number of facility beds*	X	X
6	Type of bed*	X	X

* These elements may be available from other sources related to Hospital Medicare numbers. This will be explored more.

No.	Daily Facility Summary	Minimum	Target
1	Date/time of report	X	X
2	Admissions last 24 hours	X	X
3	Discharges last 24 hours	X	X
4	Deaths last 24 hours	X	X

No.	Census by Unit	Minimum	Target
1	Unit name		X
2	Number of patients by unit		X
3	Number of beds available by unit		X
4	Number of patients boarded in ED		X

No.	Patient Data	Minimum	Target
1	Randomized data linker	X	X
2	Encounter date	X	X
3	DOB (month and year of birth)	X	X
4	Age (if DOB, not available)	X	X
5	Gender	X	X
6	Race		X
7	Ethnicity		X
8	Occupation		X
9	Zip	X	X
10	State	X	X
11	County of residence		X
12	Country of residence		X
13	Date/time last update	X	X

No.	Clinical Data	Minimum	Target

1	Admit time/date		X
2	Discharge time/date		X
3	Diagnosis/Injury Code	X	X
4	Diagnosis type	X	X
5	Diagnosis date/time	X	X
6	Discharge disposition	X	X
7	Patient class (Outpatient, Inpatient, ER)	X	X
8	Date and time onset of illness	X	X
9	Chief complaint	X	X
10	Temperature		X
11	Date/time temp		X
12	Blood pressure		X
13	Date/time BP		X
14	Pulse Ox		X
15	Date/time Pulse Ox		X
16	Current medications		X
17	Procedures preformed		X
No.	**Laboratory and Radiology Test Orders**	**Minimum**	**Target**
1	Order number	X	X
2	Ordered test	X	X
3	Reason for test		X
No.	**Laboratory/Microbiology Results**	**Minimum**	**Target**
1	Reporting Lab ID	X	X
2	Performing laboratory	X	X
3	Report date/time	X	X
4	Report status	X	X
5	Collection date	X	X
6	Collection method	X	X
7	Specimen site	X	X
8	Specimen	X	X
9	Ordered test	X	X
10	Resulted test	X	X

11	Organism identified	X	X
12	Method type	X	X
13	Result other than organism	X	X
14	Result unit	X	X
15	Test interpretation	X	X
16	Susceptibility test interpretation	X	X
17	Test status	X	X
18	Results notes/comments		X