**Biosurveillance
Background and Options Briefing
Minimum and Target Data Elements**

Office of the National Coordinator for Health Information Technology

February 24, 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 factored into the decision-making process at the February 24, 2006 Biosurveillance workgroup meeting. The meeting should focus on deciding upon recommendations that must be made to the Secretary and the American Health Information Community at the March 7, 2006 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

Determination of a minimum set of data elements (and target set of data elements) is critical in moving forward the specific charge of the biosurveillance work group. A draft list of minimum and target data elements is presented below for discussion. This draft list was put together as a subset of the Biosurveillance Data Elements Matrix (document provided separately) that was put together from other ongoing biosurveillance activities.
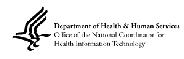
- Feasible to implement in 2006.
- Accomplishes the specific charge, while facilitating the most direct path to the broad charge.
- Illuminates the significant barrier(s) that must be resolved to achieve breakthrough success (policy and technical).

- Delivers the value to the consumer over the next 1-2 years.
- Leverages all stakeholders, while appropriately balancing expectations, responsibilities and authority.

Draft Minimum and Target Data Elements

No.	Institution Data	Minimum	Target
1	Hospital System	X	X
2	Main facility ID/name	X	X
3	Location address	X	X
4	Number of facility beds	X	X

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

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

No.		Minimum	Target
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	Current medications		X
15	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