

1999 CSTE ANNUAL MEETING

POSITION STATEMENT # ID- 08

COMMITTEE: Infectious Diseases

TITLE: Vaccine Preventable Disease Surveillance Data

ISSUE: National surveillance data for vaccine preventable diseases (VPDs) are collected and transmitted weekly to CDC by many states using the National Electronic Telecommunications System for Surveillance (NETSS). Surveillance information that is reported to NIP by mechanisms other than NETSS, but never entered, corrected, or modified in the states' electronic system for inclusion in NETSS requires that NIP create datasets that supplement the States' NETSS dataset. As a result, the NETSS and NIP datasets may include different number of cases and different epidemiologic information, which is a potential source of confusion if different sets of number are published.

POSITION TO BE ADOPTED:

CSTE recommends that the following methods be used to ensure complete vaccine-preventable disease surveillance data, and that the guidelines outlined below and demonstrated on the attached table should be implemented.

METHODS:

1. Vaccine-preventable disease surveillance data are best reported through NNDSS, since only the NNDSS data are reported to the MMWR.
2. Whenever a case of a VPD is reported directly to NIP without going through a state health department NIP will encourage the reporter to contact the state health department. NIP will also send a copy of the report received to the state health department.
3. If a case (based on the CDC/CSTE case definitions for public health purposes) reported to NIP and to the state health department is not entered into NETSS despite the notification of the NIP staff to the state health department, the NIP staff will send a written notification to the state epidemiologist and to the EPO-NETSS staff that a discrepancy may result between cases reported to NIP and cases reported through NETSS. If the case is not entered into NETSS by the end of the calendar year the discrepancy will have to be solved during the yearly reconciliation that EPO does with each NETSS reporting site (that is, the yearly NETSS file for that site will not be closed until the case is entered). The final goal is that all confirmed cases and as many of the probable cases as possible are reported to NIP be entered in NETSS.

4. A table containing a specification of what cases for each condition are to be reported and published (e.g., only confirmed, confirmed and probable, etc.) has been agreed upon by CSTE, NIP, and EPO. It is expected States, NIP, and EPO will publish case counts based on the specifications of this table.

5. Whenever data are published that do not follow the specifications of the attached table, these data should be clearly labeled and the differences from other published data should be easily identified (for example, cases by date of onset vs date of report, confirmed cases only vs confirmed and probable, etc.).

BACKGROUND AND JUSTIFICATION:

In 1998, a CSTE position statement recommended that CSTE, NIP, and EPO reach consensus for the reporting and MMWR publishing guidelines for VPD surveillance data. The goal was to increase the use of all available information while assuring that only one dataset is used for case counting and for publication of epidemiologic data on the reported cases. For each disease and case classification, consideration was given to: reporting core (mainly demographic) data to the National Notifiable Diseases System for Surveillance (NNDSS), reporting supplemental (epidemiologic) data to the National Immunization Program and incorporating those data into NNDSS, publishing data in the MMWR weekly, and publishing data in the MMWR annual summary.

COORDINATION WITH OTHER ORGANIZATIONS:

Agency for Response: Centers for Disease Control and Prevention (CDC)

Agency for Information: Centers for Disease Control and Prevention (CDC)
Epidemiology Program Office (EPO)
National Immunization Program (NIP)

CONTACT: Gianfranco Pezzino, MD, MPH
Kansas State Epidemiologist
Director, Bureau of Epidemiology and Disease Prevention
900 SW Jackson, Room 1051 S
Topeka, Kansas 66612-1290
Phone: (785) 296-6536
Fax: (785) 291-3775
Email: gpezzino@kdhe.state.ks.us

1999 Position Statement
Disease Reporting and MMWR Publication Guidelines # ID-8B

Vaccine Preventable Disease Surveillance

Disease	Case classification	Report to NNDSS- core data	Report supplemental data ¶	Publish in MMWR weekly	Publish in Annual Summary
Measles	Suspected	N	N	N	N
	Probable	Y	Y	N	N
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Mumps	Suspected	N	N	N	N
	Probable	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Rubella	Suspected	N	N	N	N
	Probable	Y	Y	N	N
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
CRS	Suspected	N	N	N	N
	Infection only	Y	Y	N	N
	Possible	Y	Y	N	N
	Probable	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Varicella *	Suspected	N	N.A.	N	N
	Probable	Y	N.A.	N	Y
	Confirmed	Y	N.A.	N	Y
	Unknown	Y	N.A.	N	Y
Diphtheria	Suspected	N	N	N	N
	Probable	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Disease	Case classification	Report to NNDSS-	Report	Publish in	Publish in

		core data	supplemental data ¶	MMWR weekly	Annual Summary
Tetanus	Suspected	N	N	N	N
	Probable	N.A.	N.A.	N.A.	N.A.
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Pertussis	Suspected	N	N	N	N
	Probable	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Polio †	Suspected	N	Y	FOOTNOTE ‡	N
	Probable	N	Y	N	N
	Confirmed	N	Y	FOOTNOTE ‡	Y
Invasive <i>Haemophilus influenzae</i> (Hi)	Suspected	N	N	N	N
	Probable §	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Varicella deaths	Suspected	N	N	N	N
	Probable	N	Y	Y ‡	Y
	Confirmed	N	Y	Y ‡	Y
	Unknown	N	Y	Y ‡	Y

¶ Includes electronic, paper, telephone reports

* Aggregate case counts

N.A. = Not applicable

† Cases classified by expert panel

‡ Quarterly immunization table

§ Includes only Hi serotype b by latex agglutination of CSF

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Vaccine Preventable Disease Surveillance

Disease	Case classification	Report to NNDSS- core data	Report supplemental data ¶	Publish in MMWR weekly	Publish in Annual Summary
Measles	Suspected	N	N	N	N
	Probable	Y	Y	N	N
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Mumps	Suspected	N	N	N	N
	Probable	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Rubella	Suspected	N	N	N	N
	Probable	Y	Y	N	N
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
CRS	Suspected	N	N	N	N
	Infection only	Y	Y	N	N
	Possible	Y	Y	N	N
	Probable	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Varicella *	Suspected	N	N.A.	N	N
	Probable	Y	N.A.	N	Y
	Confirmed	Y	N.A.	N	Y
	Unknown	Y	N.A.	N	Y
Diphtheria	Suspected	N	N	N	N
	Probable	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y

Disease	Case classification	Report to NNDSS- core data	Report supplemental data ¶	Publish in MMWR weekly	Publish in Annual Summary
Tetanus	Suspected	N	N	N	N
	Probable	N.A.	N.A.	N.A.	N.A.
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Pertussis	Suspected	N	N	N	N
	Probable	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Polio †	Suspected	N	Y	FOOTNOTE ‡	N
	Probable	N	Y	N	N
	Confirmed	N	Y	FOOTNOTE ‡	Y
Invasive <i>Haemophilus influenzae</i> (Hi)	Suspected	N	N	N	N
	Probable §	Y	Y	Y	Y
	Confirmed	Y	Y	Y	Y
	Unknown	Y	Y	Y	Y
Varicella deaths	Suspected	N	N	N	N
	Probable	N	Y	Y ‡	Y
	Confirmed	N	Y	Y ‡	Y
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