

National Notifiable Diseases Surveillance System (NNDSS)

OMB Control Number 0920-0728

Expiration Date: 01/31/2019

Program Contact

Umed Ajani
Associate Director for Surveillance
Division of Health Informatics and Surveillance
Center for Surveillance, Epidemiology and Laboratory Services
Centers for Disease Control and Prevention
1600 Clifton Rd, MS-E91
Atlanta, GA 30329
Phone: (404) 498-0258
E-mail: uajani@cdc.gov

Submission Date: June 1, 2016

Circumstances of Change Request for OMB 0920-0728

This is a nonmaterial/non-substantive change request for OMB No. 0920-0728, expiration date 01/31/2019, for the reporting of Nationally Notifiable Diseases. The National Notifiable Diseases Surveillance System (NNDSS) is the nation’s public health surveillance system that enables all levels of public health (local, state, territorial, federal and international) to monitor the occurrence and spread of the diseases and conditions that the Council of State and Territorial Epidemiologists (CSTE) has officially designated as either “nationally notifiable” or as under “national surveillance.” The NNDSS facilitates the submission and aggregation of case notification data voluntarily submitted to CDC from 57 jurisdictions: health departments in every U.S. state, New York City, Washington DC, and 5 U.S. territories (American Samoa, the Commonwealth of Northern Mariana Islands, Guam, Puerto Rico, and the U.S. Virgin Islands). NNDSS also facilitates relevant data management, analysis, interpretation and dissemination of the information. The data are used to monitor health occurrence of notifiable conditions and to plan and conduct prevention and control programs at the state, territorial, local and national levels.

This request is for the addition of 32 new disease-specific data element for Hantavirus Pulmonary Syndrome (HPS).

Previously, only core NNDSS data elements were collected for HPS. A new HPS-specific tab has been created within the NNDSS data spreadsheet (Attachment 7). Information on a patient’s background, exposure information, clinical information, and specimen information are necessary to properly identify cases of HPS. The inclusion of data indicating use of extracorporeal membrane oxygenation (ECMO) for patient treatment follows from hospitals’ increasingly routine use of this intervention, where blood is oxygenated outside the body, to improve outcomes. The question on whether patient sought treatment before hospitalization is a tool to learn whether a patient may have visited a traditional healer before coming to the hospital, and whether such postponement of hospital treatment influences outcome.

The new data elements requiring the change request are in the following table:

New HPS Data Elements

| Data Element Identifier | Data Element Name | Data Element Description |
|-------------------------|-------------------|--------------------------|
| TBD | Last Name | Patient's last name |

| | | |
|-----|---|---|
| TBD | First Name | Patient's first name |
| TBD | Middle Initial | Patient's middle initial |
| TBD | Occupation | Patient's occupation |
| TBD | History of rodent exposure 8 weeks prior to illness onset | Did patient have history of rodent exposure during 8 week period prior to illness onset? |
| TBD | If yes, type of rodent exposure | If rodent exposure occurred, what was the type of exposure? |
| TBD | Exposure occurred while cleaning | Did exposure occur while cleaning? |
| TBD | Exposure occurred while working | Did exposure occur while working? |
| TBD | Exposure during recreational activity (camping, hiking) | Did exposure occur during a recreational activity? |
| TBD | Other exposure? | Other types of exposure? (Explain) |
| TBD | Fever >101F (38.3C) | Did patient have a fever >101F (38.3C)? |
| TBD | Thrombocytopenia (<150,000) | Did patient have thrombocytopenia (<150,000)? |
| TBD | Elevated hematocrit | Did patient have elevated hematocrit? |
| TBD | Elevated creatinine | Did patient have elevated creatinine? |
| TBD | Outcome of illness | What was the outcome of the illness? |
| TBD | Autopsy performed | If patient died, was autopsy performed? |
| TBD | Autopsy findings | Describe autopsy findings |
| TBD | Did patient seek care before admission | Did patient seek care before admission? |
| TBD | Date of pre-hospital treatment | Date of pre-hospital treatment |
| TBD | Outcome of treatment | What was the outcome of treatment (sent home, diagnosed as flu, etc)? |
| TBD | Supplemental oxygen required | Did the patient require supplemental oxygen? |
| TBD | Was patient on ECMO | Was patient on extracorporeal membrane oxygenation (ECMO)? |
| TBD | Was patient intubated | Was the patient intubated? |
| TBD | CXR with unexplained bilateral interstitial infiltrates or suggestive of ARDS | Did patient have chest x-ray (CXR) with unexplained bilateral interstitial infiltrates or suggestive of acute respiratory distress syndrome (ARDS)? |
| TBD | Notes on clinical course of illness | Describe clinical course of illness |

| | | |
|--------|---|--|
| LAB163 | Specimen collection date | Specimen collection date |
| LAB203 | Type of specimen | Type of specimen collected |
| LAB143 | If specimen tested, at which laboratory | If specimen tested, at which laboratory? |
| LAB208 | Test results | Test results (i.e. titer, IgM, IgG) |
| TBD | Name of patient's physician | Name of patient's physician |
| TBD | Physician's email | Physician's email |
| TBD | Physician's phone number | Physician's phone number |

Burden

The annualized burden hours and cost to reporting jurisdictions to submit these data to CDC does not change from the original estimates in the “Estimates of Annualized Burden Hours and Costs” section in A.12 of OMB No. 0920-0728. The addition of new disease-specific data elements will not add any additional burden because the reporting jurisdictions already collect those data elements. There will be no increase in burden for the reporting jurisdictions to send those data elements to CDC since most case notifications are submitted electronically from already existing databases via automated electronic transfers. CSTE recommends that jurisdictions collect these data for their own surveillance purposes. Requesting jurisdictions to submit these data (that they will already collect) to CDC will not increase the burden to the jurisdictions.

A.12A. Estimates of Annualized Burden Hours

| Respondents | Number of Respondents | Number of Responses per Respondent | Average Burden Per Response (in hours) | Total Burden (in hours) |
|--------------------------------------|------------------------------|---|---|--------------------------------|
| Weekly and Annual Submissions | | | | |
| States | 50 | 52 | 10 | 26000 |
| Territories | 5 | 52 | 5 | 300 |
| Cities | 2 | 52 | 10 | 1040 |
| Total | | | | 28,340 |

A.12B. Estimates of Annualized Cost Burden

| Type of Respondents | Form Name | Number of Respondents | Number of Responses per Respondent | Average Burden Per Response (in hours) | Total Burden Hours | Hourly Wage Rate | Respondent Cost |
|----------------------------|-------------------|------------------------------|---|---|---------------------------|-------------------------|------------------------|
| States | Weekly and Annual | 50 | 52 | 10 | 26,000 | \$35.63 | \$926,380 |
| Territories | Weekly and Annual | 5 | 52 | 5 | 1,300 | \$35.63 | \$46,319 |
| Cities | Weekly and Annual | 2 | 52 | 2 | 1,040 | \$35.63 | \$37,055 |
| Total | | | | | | | \$1,009,754 |