

Appendix I: Measure Number 7.5a.1

Questions that the **Bureau of Epidemiology** will be using to determine the % of components of public health response to disease reports system in place:

Accessibility

1. The BOE will conduct two sets of after-hours phone drills. Each drill will consist of an after-hours weekday evening and weekend phone call to the CHD to report an immediately notifiable condition. One point is awarded if the BOE can make contact with the CHD within 15 minutes to report the notifiable disease. For the second set of drills, the CHD will need to REPORT the immediately notifiable condition back to the BOE after-hours on-call number within 1 hour of the start of the drill. One point will be awarded for a report made to the BOE within the time frame. There are a possible 6 points for this measure. Answer 'acceptable' if the CHD responded to phone drills and received at least 4/6 points.

Data Quality

2. Run the **Merlin Data Quality Report** for each CHD for the calendar year (January 1- December 31) 2008 to get the total number of cases with at least one unknown value using all four of the following selected diseases (confirmed cases only): Hepatitis A (07010), Meningococcal Disease (03630), Salmonellosis (00300) and Shigellosis (00490). Calculate the percentage of cases with at least one unknown value. Answer 'acceptable' if the CHD has 30% or less error rate for all data points. Case Manager selection will be "All".

The screenshot shows the Merlin Data Quality Report web application running in Microsoft Internet Explorer. The browser address bar shows the URL: http://merlin.doh.state.fl.us/MERLIN/Analysis/ani_DataQualityReport.aspx. The application header includes the Merlin logo and navigation tabs: Home, Cases, Outbreak, Analysis (selected), Resources, Task, EpiGateway, Help, and Log Off. The main content area is titled "Data Quality Report" and contains several filter fields:

- County:** A dropdown menu with options: ALL, ALACHUA, BAKER, BAY.
- Case Manager/Investigator:** A dropdown menu with the option: ALL.
- Date Reported:** Two date input fields: "01/01/2008" and "Through 12/31/2008".
- DX Status:** A dropdown menu with options: ALL, CONFIRMED, PROBABLE, SUSPECT.
- FL Disease Code:** A list box with the following items: HANTAVIRUS INFECTION - 07869, HEMOLYTIC UREMIC SYNDROME - 42000, HEPATITIS A - 07010 (highlighted), HEPATITIS B (+HBsAg IN PREGNANT WOMEN) - 07039, and HEPATITIS B PERINATAL - 07744.

At the bottom right of the filter area, there is a "View Report" button. The footer of the application displays "Merlin.Net Version 7.6.3". The Windows taskbar at the bottom shows the Start button, several open applications (Inbox - Microsoft Outlook, Epi Measure_Appendix I..., Analysis provided by Cat..., Methods additions for Qi..., Data Quality Report - ..., Department of Health In...), and the system tray with the time 11:59 AM.

Timeliness

3. Run the **Merlin Performance Report** for each CHD for 2008. Look at number of cases for all diseases reported to state office within 21 days. Answer 'acceptable' if the value is 75% or higher.

The screenshot shows a web browser window titled "Merlin Reports - Performance Report - Microsoft Internet Explorer". The address bar shows the URL: <http://merlin.doh.ad.state.fl.us/em00merlin/Report/PerformanceRpt%205.60%29.asp>. The page content includes a blue header with the text "Performance Report 5.60". Below the header, there is a paragraph explaining the report: "The Performance Report calculates statistics for the number of days between the date reported to the CHD and the date reported to the Bureau of Epidemiology; the lab report date and the date reported to the Bureau of Epidemiology; the onset date and the date reported to the CHD. Report week or report date may be used as the date type for generating the Performance Report. Cases of chronic hepatitis B, chronic hepatitis C, hepatitis B in pregnant women, lead poisoning and animal rabies are not included in this report. To view the Performance Report, fill in the search criteria below then click the View Report button." The form contains several fields: "Choose Report:" with two radio buttons, "Date Reported to CHD to Report Date AND Lab Report Date to Date Reported to Epi" (selected) and "Onset date to Date Reported to CHD"; "FL Disease Code:" with a dropdown menu showing "ALL", "AMEBIASIS - 00690", "AMEBIC ENCEPHALITIS - 13620", "ANIMAL RABIES - 07102", and "ANTHRAX - 02200"; "Reporter Type:" with a dropdown menu showing "ALL", "ANIMAL CONTROL", "CLINIC", "DAYCARE", and "HOSPITAL"; "Date Type:" with a dropdown menu showing "REPORT DATE"; and "Date Range:" with two date input fields, "01/01/2008" and "12/31/2008", separated by "Through". At the bottom right of the form is a blue "View Report" button. The browser's taskbar at the bottom shows several open applications, including "Inbox - Microsoft Outlook", "Epi Measure_Appendix 1...", "Analysis provided by Cat...", "Methods additions for QI...", "Merlin Reports - Perf...", and "Department of Health In...". The system tray shows the time as 11:58 AM.

Education/Training

4. Percent of **Bi-weekly Epidemiology Conference Calls** and **Grand Rounds** calls where at least one epidemiologist called in.

For counties with populations greater than 100,000 people, answer 'acceptable' if someone from the county health department called in to at least 20 **Bi-weekly Epidemiology Conference Calls** in the 2008 calendar year, as well as at least 3 **Grand Rounds** presentations.

For counties with less than 100,000 people, answer 'acceptable' if someone from the health department called in to at least 12 **Bi-weekly Epidemiology Conference Calls** over the year, as well as at least 3 **Grand Rounds** presentations over the year.

Surveillance and Investigation

5. Counties are asked to report the county activity code each week during the influenza season. To determine their code it is necessary to: communicate with health care providers, monitor syndromic surveillance if available, be aware of possible influenza-like illness (ILI) and or influenza outbreaks in the community. Percentage of overall reporting for the season, meaning number of weeks reported/33 (33=weeks of the Influenza Season, Weeks 1-20 and 40-53 of the year 2008). Answer 'acceptable' if the percentage is over 70%.

Effectiveness of Investigations

6. Percentage of sporadic cases versus outbreaks of Salmonellosis, Meningococcal Disease, Shigellosis and Hepatitis A.

Number of cases that are reported as outbreak related/number of cases that are reported as sporadic cases = %? Unknown values will not be included in the calculation.

- a. Answer 'acceptable' if the percentage for Salmonellosis is less than 10%.
- b. Answer 'acceptable' if the percentage for Meningococcal Disease is less than 1%.
- c. Answer 'acceptable' if the percentage for Shigellosis is less than 25%.
- d. Answer 'acceptable' if the percentage for Hepatitis A is less than 10%.

The data will be extracted from Merlin.

The final score for question 6 will be answered 'acceptable' if the County scored an 'acceptable' for 3 or more of the previous percentages.

There are 6 measures that will be calculated. If the CHD receives an "acceptable" for 4/ 6 (67%) measures then the CHD will be considered having the requirements in the CHD Snapshot for Epidemiology.

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