

Annual Evaluation and Performance Measurement Report (I.4- WHOLE GENOME SEQUENCING (WGS) OF
CARBAPENEMASE-PRODUCING AR THREATS IN JURISDICTION)

Annually, each funded laboratory is required to report to CDC evaluation and performance measures. Data are used to indicate progress made toward program outcomes. These summary reports have to be uploaded to the ELC CAMP at the end of each funding year. Required performance measures are listed below.

<p>1. Proportion of sequencing attempts for prioritized isolates received (i.e., CPOS, as defined in the latest General Guidance for Whole Genome Sequencing of Healthcare-Associated Infection/Antibiotic Resistant Pathogens in State and Local Public Health Laboratories) that passed quality control (QC) in accordance with CDC criteria:</p> <p>a. Numerator: Number of prioritized isolates that passed QC following first sequencing attempt (see guidance for sequencing priorities and QC thresholds)</p> <p>b. Denominator: Total number of sequencing attempts for prioritized isolates (including all failed sequencing)</p> <p>c. Calculated: Percent of prioritized isolates tested by WGS that passed QC within first sequencing attempt</p>
<p>2. Number of prioritized isolates stratified by priority category (i.e., CPOs, as defined in the latest General Guidance for Whole Genome Sequencing of Healthcare-Associated Infection/Antibiotic Resistant Pathogens in State and Local Public Health Laboratories) tested by WGS:</p> <p>a. Total number of CRAB carrying Class A, Class B, or blaOXA-48-like carbapenemase genes tested by WGS</p> <p>b. Total number of Carbapenemase-producing/carbapenemase-gene positive CRPA tested by WGS</p> <p>c. Total number of Carbapenemase-producing/carbapenemase-gene positive CRE tested by WGS</p>
<p>3. Number and type of prioritized isolates (i.e., CPOs, as defined in the latest General Guidance for Whole Genome Sequencing of Healthcare-Associated Infection/Antibiotic Resistant Pathogens in State and Local Public Health Laboratories) tested by WGS associated with a known epidemiological investigation</p> <p>a. Number of prioritized organisms tested by WGS</p> <p>b. Type of prioritized organisms tested by WGS</p>
<p>4. Median number and range from date of sequencing completion to upload of sequence data to NCBI:</p> <p>a. Median (in days)</p> <p>b. Range (in days)</p>
<p>5. Median number and range from date of sequencing completion to recording the HAI WGS ID and NCBI SRRID to REDCap alerts records or AIMS DAART platform via HL7 2.5.1 messages or DHQP CSV upload:</p>

Public reporting burden of this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB Control Number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer, 1600 Clifton Road NE, MS H21-8, Atlanta, Georgia 30333; ATTN: PRA 0920-1310

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| a. Median (in days)
b. Range (in days) |
| 6. Describe challenges or barriers to sequencing prioritized isolates in accordance with CDC guidelines. |