

**Indicators of Epidemiology Capacity\*, 2013 - STATE (X FTE epidemiologists reported, X epis per 100,000 population)**

| Capacity Measure                                                                                                                                                 | State Response      | Region*           | Population Size <sup>#</sup> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|------------------------------|
| <b>Essential Public Health Services**</b>                                                                                                                        |                     |                   |                              |
| At least substantial capacity to carry out <u>EPHS #1</u> : Monitoring the health status to identify and solve community health problems                         | yes                 | 77                | 59                           |
| At least substantial capacity to carry out <u>EPHS #2</u> : Diagnosing and investigating health problems and health hazards in the community                     | yes                 | 92                | 82                           |
| At least substantial capacity to carry out <u>EPHS #9</u> : Evaluating effectiveness, accessibility and quality of personal and population-based health services | no                  | 31                | 29                           |
| At least substantial capacity to carry out <u>EPHS #10</u> : Researching for new insights and innovative solutions to health problems                            | no                  | 38                | 29                           |
| <b>Funding</b>                                                                                                                                                   |                     |                   |                              |
| Percentage of all funding for epidemiology activities that is state funding                                                                                      | 42                  | 17.3              | 17.6                         |
| Percentage of all funding for epidemiology personnel that is state funding                                                                                       | 30                  | 18.3              | 18.8                         |
| <b>Program Area Functional Capacity**</b>                                                                                                                        |                     |                   |                              |
| At least substantial epidemiology and surveillance capacity in Infectious Disease                                                                                | yes                 | 100               | 94                           |
| At least substantial epidemiology and surveillance capacity in Bioterrorism/Emergency Response                                                                   | yes                 | 85                | 69                           |
| At least substantial epidemiology and surveillance capacity in Environmental Health                                                                              | yes                 | 46                | 29                           |
| At least substantial epidemiology and surveillance capacity in Occupational Health                                                                               | no                  | 8                 | 0                            |
| At least substantial epidemiology and surveillance capacity in Oral Health                                                                                       | yes                 | 15                | 29                           |
| At least substantial epidemiology and surveillance capacity in Substance Abuse                                                                                   | no                  | 23                | 12                           |
| At least substantial epidemiology and surveillance capacity in Mental Health                                                                                     | yes                 | 8                 | 12                           |
| At least substantial epidemiology and surveillance capacity in Injury                                                                                            | no                  | 46                | 35                           |
| <b>Salary (by career level)</b>                                                                                                                                  |                     |                   |                              |
| Annual salary range for a Senior Level Epidemiologist                                                                                                            | \$155,000-\$165,000 | \$66,319-\$96,865 | \$66,479-\$90,491            |
| Annual salary range for a Mid Level Epidemiologist                                                                                                               | \$60,000-\$80,000   | \$44,949-\$71,347 | \$47,366-\$69,465            |
| Annual salary range for an Entry Level Epidemiologist                                                                                                            | \$45,000-\$60,000   | \$38,412-\$56,111 | \$40,933-\$57,828            |
| <b>Technologic Capacity</b>                                                                                                                                      |                     |                   |                              |
| Does your state have FULLY functional automated ELR?                                                                                                             | yes                 | 69                | 53                           |
| Does your state have a formal web-based provider disease reporting system <sup>^</sup> ?                                                                         | no                  | 38                | 29                           |
| Does your state routinely use automated cluster detection software <sup>@</sup> ?                                                                                | no                  | 31                | 18                           |
| Does your state have a syndromic surveillance system?                                                                                                            | yes                 | 77                | 82                           |
| Preparedness: Do you utilize an Outbreak Management System?                                                                                                      | yes                 | 62                | 35                           |
| Does your state routinely geocode all births?                                                                                                                    | unknown             | 54                | 24                           |
| Does your state routinely geocode all deaths?                                                                                                                    | unknown             | 54                | 29                           |
| Does your state routinely geocode all case report data from reportable disease and laboratory findings?                                                          | no                  | 31                | 24                           |
| <b>Informatics Training</b>                                                                                                                                      |                     |                   |                              |
| Does your public health agency provide on-site informatics trainings?                                                                                            | yes                 | 54                | 47                           |
| Does your public health agency require cross-training in informatics?                                                                                            | no                  | 8                 | 6                            |
| Does your public health agency pay for formal informatics training or education outside your organization?                                                       | yes                 | 77                | 65                           |

\*Source: 2013 CSTE National Epidemiology Capacity Assessment

% among others in your census region (West, n = 13)

# among others in your population strata for analysis: small (<2.8M)( n = 17)

<sup>^</sup>in which providers complete a case report form online and the data is automatically entered into the reportable disease database without re-entering the data

<sup>@</sup> on reportable disease and laboratory finding case report data (not syndromic surveillance data) to look for disease clusters

Comparisons are % of states with at least substantial capacity for EPHS and Program Area Functional Capacity, and % that answered 'yes' for technologic capacity and informatics training

Comparisons are mean percentage for Funding and mean range for Salary

\*\*For EPHS and Program Area Functional Capacity; these questions have been turned into indicators, the previous scale (Not at all, Minimal, Partial, Substantial, Almost Fully, Full) has been turned into a dichotomous response with at least substantial capacity being a 'Yes' and less than substantial capacity being a 'No'.

MCH and CD program area capacity will be provided on other state reports so are not included here