



Resource Typing Definition for Public Health, Healthcare, and Emergency Medical Services  
Medical and Public Health

## PUBLIC HEALTH DATA SCIENCE SPECIALIST

<b>RESOURCE CATEGORY</b>	Medical and Public Health
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Public Health Data Science Specialist enters and organizes public health data in a uniform format
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. This position can be ordered as a single resource or in conjunction with a NIMS typed team (Epidemiological Response Team, Isolation and Quarantine Team)</li> <li>2. Discuss logistics for this position, such as security, lodging, transportation and meals prior to deployment</li> <li>3. The position typically works 12 hours per shift, is self-sustainable for 72 hours and is deployable up to 14 days</li> </ol>

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	SINGLE TYPE	NOTES
<b>DESCRIPTION</b>	The Public Health Data Science Specialist: <ol style="list-style-type: none"> <li>1. Ability to utilize public health and epidemiological software applications</li> <li>2. Provides expertise in public health and epidemiological data collection</li> <li>3. Compiles and provides analysis on public health &amp; epidemiological information</li> </ol>	Not Specified
<b>EDUCATION</b>	Not Specified	Not Specified
<b>TRAINING</b>	Completion of the following: <ol style="list-style-type: none"> <li>1. IS-100: Introduction to the Incident Command System, ICS-100</li> <li>2. IS-200: Basic Incident Command System for Initial Response, ICS-200</li> <li>3. IS-700: National Incident Management System, An Introduction</li> <li>4. IS-800: National Response Framework, An Introduction</li> </ol>	Not Specified



COMPONENT	SINGLE TYPE	NOTES
<b>EXPERIENCE</b>	<p>Knowledge, Skills, and Abilities:</p> <ol style="list-style-type: none"> <li>1. Knowledge of public health databases</li> <li>2. Ability to use software such as spreadsheets, word processing, databases, Geographic Information Systems (GIS) and Epi Information</li> <li>3. Knowledge of working in clean and contaminated areas</li> <li>4. Familiarity with data management software, such as Microsoft Excel and Access</li> </ol> <p>Experience:</p> <ol style="list-style-type: none"> <li>1. Inputting and analyzing surveillance data in a public health setting</li> <li>2. Using online public health databases, GIS, and additional epidemiologic or surveillance software, such as Epi Info</li> <li>3. One year of experience using epidemiological software, word processing, database spreadsheets and other appropriate public health data systems</li> <li>4. One year of experience entering epidemiological data in a public health setting such as recording infectious disease reports, entering immunization, vital statistics, or other registry data</li> </ol>	<p>Epi Info is a suite of public domain software tools developed by the Center for Disease Control and Prevention (CDC)</p>
<b>PHYSICAL / MEDICAL FITNESS</b>	<ol style="list-style-type: none"> <li>1. Moderate</li> <li>2. Is able to work while wearing appropriate personal protective equipment (PPE)</li> <li>3. Maintains immunizations in accordance with the U.S. Department of Health and Human Services Centers for Disease Control and Prevention’s recommended adult immunization schedule for the United States of America</li> </ol>	<ol style="list-style-type: none"> <li>1. PPE is mission-specific and may vary by working environment, including protective footwear, protective clothing for skin exposures, eye and hearing protection, respirators, gloves, and masks</li> <li>2. The NIMS Guideline for the National Qualification System (NQS) defines Physical/Medical Fitness levels for NIMS positions</li> </ol>
<b>CURRENCY</b>	<ol style="list-style-type: none"> <li>1. Functions in this position during an operational incident, planned event, exercise, drill, or simulation at least once every two years</li> <li>2. Background checks as applicable law permits or requires</li> </ol>	<p>Provider must carry out and use any background checks as applicable law specifies. This may include a:</p> <ol style="list-style-type: none"> <li>1. Background check completed within past 12 months</li> <li>2. Sex-offender registry check</li> <li>3. Local, state, and or national criminal history check</li> </ol>
<b>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</b>	Not Specified	Not Specified



## NOTES

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Nationally typed resources represent the minimum criteria for the associated component and capability.

## REFERENCES

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1. FEMA, NIMS 508: Epidemiological Response Team
2. FEMA, NIMS 508: Isolation and Quarantine Team
3. FEMA, National Incident Management System (NIMS), October 2017
4. FEMA, NIMS Guideline for the National Qualification System (NQS), November 2017
5. IS-100: Introduction to the Incident Command System, ICS-100
6. IS-200: Basic Incident Command System for Initial Response, ICS-200
7. IS-700: National Incident Management System, An Introduction
8. IS-800: National Response Framework, An Introduction
9. U.S. Department of Health and Human Services, CDC, Immunization Recommendations for Disaster Responders
10. U.S. Department of Health and Human Services, CDC, Epi Info, is available at <https://www.cdc.gov/epiinfo/index.html>