

## EPIDEMIOLOGIST

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|--|---|
| <b>RESOURCE CATEGORY</b>                       | Medical and Public Health   |
| <b>RESOURCE KIND</b>                           | Personnel   |
| <b>OVERALL FUNCTION</b>                        | The Epidemiologist performs epidemiological assessment and analysis   |
| <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).</li> <li>2. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment</li> <li>3. This position may be specified as a "Disaster Epidemiologist" who has training and experience in field epidemiology, applied disaster epidemiology methods, emergency response, and the Incident Command System</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          | TYPE 1  | TYPE 2  | TYPE 3  | TYPE 4  | NOTES         |
|--------------------|---|---|---|---|---------------|
| <b>DESCRIPTION</b> | Same as Type 2, PLUS:<br>Provides leadership for scientific analysis and public health research | Same as Type 3, PLUS:<br><ol style="list-style-type: none"> <li>1. Manages and provides professional guidance for a team of individuals conducting advanced epidemiological services</li> <li>2. Ensures communication with various audiences in timely and relevant manner</li> <li>3. Provides epidemiological perspective in the development and analysis of public health policies</li> </ol> | Same as Type 4, PLUS:<br><ol style="list-style-type: none"> <li>1. Manages and provides professional guidance for a team of individuals conducting basic epidemiological services</li> <li>2. Recommends evidence-based interventions and control measures</li> <li>3. Interfaces with public health assessment teams, environmental health teams, other public health disciplines, and laboratories</li> <li>4. Coordinates with public health agencies, jurisdictional Emergency Support Function (ESF) #8 - Public Health and Medical, and health care coalitions</li> </ol> | The National Incident Management System (NIMS)<br>Type 4 Epidemiologist:<br><ol style="list-style-type: none"> <li>1. Performs epidemiological assessment and analysis</li> <li>2. Applies basic public health sciences to public health practice</li> <li>3. Uses basic epidemiology communication skills</li> <li>4. Works in a culturally competent manner to integrate community dimensions into epidemiological practice</li> <li>5. Develops and supports systems thinking by examining the linkages and interactions between the components of a system</li> <li>6. Supports the application of epidemiological knowledge to the development and analysis of public health policies</li> </ol> | Not Specified |

Superseded

Position Qualification for Public Health, Healthcare, and Emergency Medical Services  
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| COMPONENT         | TYPE 1   | TYPE 2  | TYPE 3  | TYPE 4  | NOTES         |
|-------------------|--|---|---|---|---------------|
| <b>EDUCATION</b>  | A combination of ten years of post-high school education and experience, in accordance with CSTE Tier 3b Epidemiologist requirements | A combination of ten years of post-high school education and experience, in accordance with Council of State and Territorial Epidemiologists (CSTE) Tier 3a Epidemiologist requirements | A combination of eight years of post-high school education and experience, in accordance with CSTE Tier 2 Epidemiologist requirements   | A combination of six years of post-high school education and experience, in accordance with Council of State and Territorial Epidemiologists (CSTE) Tier 1 Epidemiologist requirements  | Not Specified |
| <b>TRAINING</b>   | Same as Type 2   | Same as Type 3  | Same as Type 4, PLUS:<br>1. ICS-300: Intermediate Incident Command System for Expanding Incidents<br>2. ICS-400: Advanced Incident Command System for Command and General Staff - Complex Incidents | Completion of the following:<br>1. IS-100: Introduction to the Incident Command System, ICS-100<br>2. IS-200: Basic Incident Command System for Initial Response, ICS-200<br>3. IS-700: National Incident Management System, An Introduction<br>4. IS-800: National Response Framework, An Introduction<br>5. Training in accordance with Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.120: Hazardous Materials Awareness<br>6. Training in accordance with OSHA 29 CFR Part 1910.134: Respiratory Protection<br>7. Training in accordance with OSHA 29 CFR Part 1910.1030: Bloodborne Pathogens<br>8. Center for Disease Control and Prevention (CDC) Packaging and Shipping Division 6.2 Materials or equivalent packaging and shipping training<br>9. Training in use of epidemiological software to perform epidemiology investigations, analysis, and reporting | Not Specified |
| <b>EXPERIENCE</b> | Same as Type 2   | Same as Type 3, PLUS:<br>Two years of work experience in epidemiology   | Two years of work experience in epidemiology in a public health agency  | Not Specified   | Not Specified |

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| COMPONENT   | TYPE 1         | TYPE 2         | TYPE 3         | TYPE 4   | NOTES  |
|---|----------------|----------------|----------------|--|--|
| <b>PHYSICAL/MEDICAL FITNESS</b>                               | Same as Type 2 | Same as Type 3 | Same as Type 4 | 1. Moderate<br>2. Maintains immunizations in accordance with the U.S. Department of Health and Human Services CDC's recommended adult immunization schedule for the United States of America<br>3. Is able to work while wearing appropriate personal protective equipment (PPE) | 1. The NIMS Guideline for the National Qualification System (NQS) defines Physical/Medical Fitness levels for NIMS positions.<br>2. 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.  |
| <b>CURRENCY</b>   | Same as Type 2 | Same as Type 3 | Same as Type 4 | 1. Functions in this position during an operational incident, planned event, exercise, drill, or simulation at least once every two years<br>2. Background checks as applicable law permits or requires  | Provider must carry out and use any background checks as applicable law specifies. This may include a background check completed within past 12 months; sex-offender registry check; and a local, state, and a local, state, and national criminal history.  |
| <b>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</b> | Not Specified  | Not Specified  | Not Specified  | Not Specified  | 1. The NIMS Type 4 Epidemiologist requirements are consistent with the Council of State and Territorial Epidemiologists (CSTE) Tier 1 Epidemiologist requirements.<br>2. The NIMS Type 3 Epidemiologist requirements are consistent with the CSTE Tier 2 Epidemiologist requirements.<br>3. The NIMS Type 2 Epidemiologist requirements are consistent with the Council of State and Territorial Epidemiologists (CSTE) Tier 3a Epidemiologist requirements.<br>4. The NIMS Type 1 Epidemiologist requirements are consistent with the CSTE Tier 3b Epidemiologist requirements. |

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## NOTES

Nationally typed resources represent the minimum criteria for the associated category.

## REFERENCES

1. FEMA, NIMS 508: Epidemiological Response Team
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, NIMS Guideline for the National Qualification System, November 2017
4. Centers for Disease Control and Prevention (CDC), Immunization Recommendations for Disaster Responders
5. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulation (CFR) Part 1910.120: Hazardous Materials Awareness, latest edition adopted
6. OSHA 29 CFR Part 1910.134: Respiratory Protection, latest edition adopted
7. OSHA 29 CFR Part 1910.1030: Bloodborne Pathogens, latest edition adopted
8. Council of State and Territorial Epidemiologists (CSTE), Competencies for Applied Epidemiologists in Governmental Public Health Agencies, 2008

Superseded