

# Health Security Prompt Templates

## A Collection of AI Prompts for Global Health Security Applications

*Developed for the AI for Global Health Security Course*

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### How to Use These Templates

These templates are designed to help you generate high-quality, relevant outputs from AI assistants for global health security applications. To use them effectively:

1. **Choose the appropriate template** for your specific need
  2. **Customize the text in [brackets]** with your specific context, disease, region, etc.
  3. **Add additional details** where indicated to increase the relevance and precision of AI outputs
  4. **Iterate as needed** by refining your prompt based on initial responses
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### Emergency Response Planning

#### Initial Response Protocol Template

As a health security advisor, help me develop a comprehensive initial response protocol for

The protocol should address the first 72 hours after detection and include:

1. Case identification and confirmation procedures
2. Immediate containment measures
3. Key stakeholder notification chain
4. Critical resource mobilization
5. Data collection requirements

6. Communication strategy
7. Escalation/de-escalation criteria

For each section, provide specific, actionable steps that align with [WHO/NATIONAL/REGIONAL]

Additional context: [ADD ANY SPECIFIC CONSTRAINTS, CHALLENGES OR REQUIREMENTS]

### **Emergency Operations Center (EOC) Activation Plan**

Create a detailed plan for activating and operationalizing an Emergency Operations Center (E

Include:

- Activation trigger criteria
- Command structure and key roles (with detailed responsibilities)
- Information management system
- Coordination mechanisms between agencies
- Required facilities and equipment
- Staffing patterns for a [DURATION] activation
- Operational meeting schedule and reporting cadence - Stand-down procedures

Ensure the plan is adaptable for [SETTING - URBAN/RURAL/RESOURCE-LIMITED] contexts and compl

### **Cross-Border Health Emergency Response Coordination**

Develop a comprehensive framework for cross-border coordination during a [DISEASE TYPE] outb

The framework should include:

1. Joint surveillance mechanisms
2. Information sharing protocols (what data, when, how, with whom)
3. Coordination of containment measures at borders
4. Management of population movement
5. Shared resource allocation strategies
6. Harmonized risk communication
7. Legal and regulatory considerations

Consider challenges such as [SPECIFIC REGIONAL CHALLENGES] and provide practical solutions t

## **Disease Surveillance Analysis**

### **Syndromic Surveillance System Design**

Design a syndromic surveillance system to detect early signals of [DISEASE TYPE/OUTBREAK] in Include:

1. Core syndromic definitions that balance sensitivity and specificity
2. Data sources (both traditional and non-traditional)
3. Collection frequency and methods
4. Analysis approach with specific thresholds for alerts
5. Verification and investigation procedures
6. Reporting pathways
7. Technological infrastructure needed

Consider the following constraints: [LIMITED RESOURCES/CONNECTIVITY/WORKFORCE CAPACITY]. Ensure the design is practical for actual implementation, not theoretical.

### **Outbreak Data Analysis Framework**

Create an analytical framework for interpreting [DISEASE] outbreak data in [SETTING].

The framework should guide health officials through:

1. Essential epidemiological parameters to calculate (with formulas)
2. Key visualizations to create (with interpretation guidance)
3. Statistical methods for identifying unusual patterns
4. Temporal analysis techniques to track progression
5. Spatial analysis to identify hotspots
6. Demographic analysis to identify at-risk groups
7. Assessment methods for intervention effectiveness

Provide example interpretations of what different patterns might indicate and how they should

### **Early Warning Indicators Monitoring Plan**

Develop a monitoring plan for early warning indicators that could signal a potential [DISEASE]

Include:

1. Primary indicators (direct)
2. Secondary indicators (indirect/proxy)
3. Environmental/ecological indicators (if relevant)

4. Data sources for each indicator
5. Collection frequency and methodology
6. Baseline thresholds and alert triggers
7. Verification mechanisms
8. Actions to take when triggers are met

For each indicator, explain its predictive value, limitations, and how it should be interpreted

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## **Risk Communication**

### **Public Health Emergency Message Template**

Create a set of message templates for communicating with the public about [HEALTH EMERGENCY]

Provide complete message templates for each of these phases:

1. Initial alert/notification (uncertainty high, information limited)
2. Update during ongoing situation (more information available)
3. Guidance on protective actions
4. Addressing misinformation/rumors
5. Update on response efforts
6. Recovery/resolution phase

For each template:

- Include key components that should be customized
- Provide both technical and plain language versions
- Include considerations for vulnerable populations [SPECIFY RELEVANT GROUPS] - Suggest appropriate channels for dissemination

Ensure all messaging follows risk communication principles: be first, be right, be credible,

### **Community Engagement Strategy**

Design a comprehensive community engagement strategy for [HEALTH SECURITY ISSUE] in [COMMUNITY]

The strategy should include:

1. Stakeholder mapping (key influencers, vulnerable groups, etc.)
2. Cultural considerations specific to [COMMUNITY]
3. Engagement methods appropriate for different segments
4. Two-way communication channels
5. Addressing common concerns and misinformation
6. Involving community in response efforts

7. Evaluation metrics for engagement effectiveness

Focus on practical, implementable approaches that build trust and promote sustainable behavior

### **Crisis Communication Plan for Health Officials**

Develop a crisis communication plan for health officials managing a [DISEASE OUTBREAK/HEALTH

Include:

1. Initial assessment questions to determine communication needs
2. Spokesperson selection criteria and preparation guidance
3. Key message development framework
4. Media engagement strategy (including social media)
5. Internal communication protocols
6. Handling challenging questions and hostility
7. Communication evaluation methods
8. Transition to recovery messaging

Provide specific templates for press releases, talking points, and Q&A documents. Address how

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## **Resource Allocation & Logistics**

### **Medical Countermeasure Distribution Plan**

Create a detailed plan for distributing [VACCINE/MEDICATION/SUPPLIES] during a [DISEASE] outbreak

The plan should address:

1. Prioritization framework with specific population groups
2. Cold chain requirements (if applicable)
3. Distribution sites selection criteria
4. Staffing requirements and training needs
5. Security considerations
6. Documentation and tracking system
7. Addressing hesitancy or resistance
8. Adverse event monitoring
9. Progress monitoring metrics

Consider challenges specific to [REGION] such as [GEOGRAPHIC BARRIERS/INFRASTRUCTURE LIMITATIONS]

### **Healthcare Surge Capacity Planning**

Develop a healthcare surge capacity plan for [HOSPITAL/HEALTHCARE SYSTEM] to respond to a [D

Include:

1. Trigger points for different surge levels
2. Space repurposing strategy with specific locations
3. Staff augmentation plan (including skill matching)
4. Critical supplies inventory and sourcing
5. Patient flow modifications
6. Triage protocols specific to the scenario
7. Essential service maintenance strategy
8. Decompression and patient transfer protocols
9. Return to normal operations plan

The plan should be realistic for the context of [SETTING] and address specific constraints s

### **Strategic National Stockpile Deployment Request**

Help me prepare a comprehensive request for Strategic National Stockpile deployment for a [D The request should include:

1. Detailed justification based on current situation assessment
2. Epidemiological data supporting the request
3. Specific inventory items needed with quantities and priorities
4. Receiving and distribution infrastructure details
5. Security and accountability measures
6. Coordination mechanisms with existing resources
7. Expected impact of requested resources
8. Utilization reporting plan

Format this as a formal request document that would meet requirements for rapid approval.

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## **Policy Analysis & Development**

### **International Health Regulations (IHR) Implementation Assessment**

Provide an analytical framework for assessing a country's implementation of the Internationa

The assessment should evaluate:

1. Legal and regulatory framework alignment

2. Governance structures for implementation
3. Resource allocation for required capacities
4. Core capacity development status
5. Surveillance and reporting mechanisms
6. Emergency response capabilities
7. Risk communication systems
8. Points of entry measures

For each area, provide specific indicators, benchmark criteria, and a scoring methodology th

### **One Health Policy Framework Development**

Design a comprehensive One Health policy framework for addressing [ZOO NOTIC DISEASE/ANTIMICR

The framework should include:

1. Governance structure across human, animal, and environmental health sectors
2. Legal and regulatory requirements
3. Surveillance integration mechanisms
4. Information sharing protocols
5. Joint investigation procedures
6. Combined risk assessment methodologies
7. Coordinated intervention strategies
8. Workforce development across sectors
9. Financing mechanisms
10. Monitoring and evaluation approach

Ensure the framework addresses key challenges such as [EXISTING SILOS/RESOURCE DISPARITIES/C

### **Health Security Policy Gap Analysis**

Conduct a comprehensive gap analysis of health security policies in [COUNTRY/REGION] regardi

The analysis should:

1. Identify essential policy components for effective preparedness and response
2. Assess existing policy landscape against these components
3. Highlight specific gaps and vulnerabilities
4. Analyze root causes of identified gaps
5. Evaluate potential consequences of unaddressed gaps
6. Prioritize gaps based on risk and impact
7. Provide policy recommendations with implementation considerations
8. Suggest monitoring mechanisms for policy effectiveness

Consider both national and international policy frameworks, including [RELEVANT AGREEMENTS/F

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## **Training & Simulation**

### **Tabletop Exercise Scenario Development**

Design a detailed tabletop exercise scenario for testing [SPECIFIC CAPABILITY/PROTOCOL] duri

Include:

1. Background scenario with realistic epidemiological parameters
2. Timeline of events with key decision points
3. Injects/developments that escalate the situation
4. Required participant roles and responsibilities
5. Detailed facilitator guide with objectives for each segment
6. Discussion questions for each decision point
7. Expected actions/decisions and evaluation criteria
8. Templates for documentation and notes
9. Hotwash and after-action review framework

The scenario should be challenging but realistic for [SETTING] and target participants with

### **Rapid Response Team Training Curriculum**

Develop a comprehensive training curriculum for Rapid Response Teams that will investigate a

The curriculum should include:

1. Core competencies to be developed
2. Module structure with learning objectives for each
3. Essential topics (technical, operational, and soft skills)
4. Training methodologies appropriate for adult learners
5. Practical exercises and simulations
6. Evaluation methods for competency assessment
7. Refresher training schedule and content
8. Resource requirements for implementation

Design the curriculum to be adaptable for teams with [COMPOSITION/EXPERTISE LEVEL] and consi

### **Field Epidemiology Simulation Exercises**



Create a set of progressive field epidemiology simulation exercises for training health prof

Develop three connected scenarios with increasing complexity:

1. Initial notification and preliminary assessment
2. Field investigation and data collection
3. Analysis, interpretation, and response recommendations

For each scenario, provide:

- Detailed background information
- Simulated data sets
- Investigation tools and templates
- Expected actions and decisions
- Facilitation guides with key learning points
- Common mistakes and how to address them
- Debriefing questions

Ensure the simulations reflect realistic challenges in [REGION] such as [SURVEILLANCE SYSTEM]

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## **Research & Information Synthesis**

### **Systematic Review Protocol for Intervention Effectiveness**

Develop a systematic review protocol to evaluate the effectiveness of [INTERVENTION TYPE] fo

The protocol should include:

1. Specific research question using PICO framework
2. Inclusion and exclusion criteria for studies
3. Search strategy with key terms and databases
4. Study selection process
5. Data extraction template
6. Quality assessment methodology
7. Data synthesis approach
8. Bias assessment strategy
9. Reporting guidelines to be followed

Focus on generating evidence that would be useful for policy decisions in [SETTING/CONTEXT]

### **Health Security Risk Assessment Framework**

Create a comprehensive risk assessment framework for evaluating the threat of [DISEASE/HEALTH]

The framework should include:

1. Hazard assessment criteria (pathogen characteristics, transmission dynamics)
2. Exposure assessment methods (population vulnerability, contact patterns)
3. Context assessment (health system capacity, existing control measures)
4. Impact estimation (health, economic, social)
5. Likelihood determination
6. Overall risk characterization matrix
7. Uncertainty analysis approach
8. Risk communication considerations

Provide specific indicators, data sources, and analytical methods for each component. Ensure

### **Rapid Evidence Synthesis for Emergency Decision-Making**

Develop a methodology for rapidly synthesizing evidence on [INTERVENTION/APPROACH] for [DISEASE]

The methodology should include:

1. Priority question formulation process
2. Streamlined search strategy for time-sensitive contexts
3. Rapid appraisal criteria for available evidence
4. Templates for evidence extraction and summary
5. Approach to handling conflicting evidence
6. Framework for integrating evidence with contextual factors
7. Format for presenting findings to decision-makers
8. Process for updating as new evidence emerges

The approach should balance scientific rigor with the need for timely information during emergencies

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### **How to Further Customize These Templates**

For maximum effectiveness:

1. **Be specific about context:** Add details about your specific situation, resources, and constraints
2. **Include relevant background:** Briefly mention previous experiences, existing systems, or unique challenges
3. **Specify the audience:** Clarify who will use the output and their level of expertise

4. **Request appropriate formats:** Ask for the output to be structured in a way that's most useful (tables, bullet points, step-by-step guides)
5. **Ask for reasoning:** Request that the AI explain key considerations behind its recommendations

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