

SUPPLEMENTAL DOCUMENT C:
Decision Analysis Scoring Tool Survey Questionnaire

INTRODUCTION

The Pandemic Influenza Decision Analysis Scoring Tool (DAST) was developed to assist the California Department of Health Services (CDHS) in identifying and prioritizing target population groups for pandemic influenza vaccine in a way that achieves the State's goals of minimizing health consequences, social disruption, and economic consequences. This tool will evaluate target groups according to competing criteria and assign a numerical score to each population group. At the end of this process, the DAST will produce a rank-ordered list of target groups prioritized for influenza vaccination that can be implemented within the State. This priority list along with recommendations on how to allocate limited supplies of vaccine will be included in the California Pandemic Influenza Preparedness Plan scheduled for release in August 2005.

Underlying Assumptions

The goals of the vaccination response during pandemic influenza are to minimize health consequences, social disruption, and economic consequences. In the development of the DAST we made the following assumptions:

- A. In the event of pandemic influenza, the availability of an effective vaccine will be limited.
- B. Higher priority groups, as determined through prioritization process, will be vaccinated first.
- C. The primary determinants (causes) of the health consequences are: (1) the epidemiology of influenza virus transmission and subsequent disease, disability, and death; (2) our capacity to mount an emergency containment response; and (3) our capacity to deliver appropriate medical care to those who need it.
- D. The primary determinant (cause) of social disruption and economic consequences are the direct impact of these adverse health consequences (disease, disability, death) or the fear of experiencing such health consequences.
- E. We are more likely to achieve our goals by using an epidemiologic approach (maximally affecting the primary determinants).

Consequently, the DAST instrument facilitates the explicit incorporation of epidemiologic criteria (risk of transmission, risk of infection, risk of contact, etc.) and other criteria that are primary determinants.

Survey Overview

The DAST survey is a self-administered questionnaire that will assess the relative importance of the prioritization criteria and evaluate the target groups along the criteria. This survey is divided in three sections:

Section A. This section will ask you to evaluate the relative importance of vaccination criteria on their ability to achieve the intervention goals. The results from this section will determine how heavily each criterion is weighted in the final analysis.

Section B. This section will ask you to answer a series of questions for specified target population groups within California. The results of this section will determine how well each target population meets the relevant vaccination criteria.

Section C: This section will ask you to evaluate the survey instrument and provide demographic information. The results of this section will help us improve the survey for subsequent use as well as to help analyze the results.

Please complete all of the questions in the survey to the best of your ability.

Confidentiality and Use of Survey Information

Thank you for participating in the Decision Analysis Scoring Tool Survey. Information you provide for this survey is confidential and will be available to the Center for Infectious Disease Preparedness and the CDHS Immunization Branch (IZ) research investigators involved in the study.

The information that is collected will not be used to assess individual preferences or knowledge. The survey results will be aggregated and analyzed to inform the prioritization process and to improve the survey for subsequent use. The results of this survey may be disseminated in publications and presentations. Individual names of participants will not be associated with any answers provided in this survey. The aggregate results of this survey may be disseminated in publications and presentations, including a list of the members of the CDHS Joint Advisory Committee on Pandemic Influenza Vaccine and Antiviral Prioritization Strategies.

SECTION A. RATING THE IMPORTANCE OF VACCINATION CRITERIA

This section of the survey will ask you to evaluate the goals of the intervention and the relative importance of vaccination criteria in their ability to achieve the intervention goals. The results from this section will determine how heavily each criterion is weighted in the final analysis.

Prioritizing Intervention Goals

BACKGROUND

The California Department of Health Services (CDHS) has three goals for the vaccine intervention. These goals are the following:

- A. **Minimize health consequences:** The ability of the intervention to reduce the number of severe illnesses and deaths caused by pandemic influenza.
- B. **Minimize social disruption:** The ability of the intervention to reduce disruption in essential community services and to minimize social chaos and disorder caused by pandemic influenza.
- C. **Minimize economic consequences:** The ability of the intervention to reduce the extent of economic losses caused by disruption in essential financial services as well as reductions in production and consumption of goods and services.

QUESTION

Q1. Please rank the three main goals of the vaccine intervention in order of their importance (1= most important and 3= least important).

- _____ Minimize Health Consequences
- _____ Minimize Economic Consequences
- _____ Minimize Social Disruption

Determining Importance of Vaccination Criteria

Please review the following criteria categories and definitions listed in Table 1 below. As you read the criteria definitions think about the importance of each individual criterion in determining who should be prioritized for vaccine. ***Please do not continue to the survey until you feel comfortable with these terms and definitions.***

Table 1: Criteria Categories and Definitions

Category	Category Definition	Criteria	Criteria Definition
1. Medical and prevention needs	This category favors those groups who are most likely to transmit influenza virus to susceptible populations and/or those groups at high risk of developing severe illness and/or death.	Risk of complication	Once infected, the probability of developing severe illness and/or dying as a result of the disease. ¹
		Risk of transmission	Once infected, the probability of transmitting the virus to a susceptible contact at high risk of influenza complications.
		Risk of infection	The probability of becoming infected through close and/or prolonged contact with potentially infectious cases. ²
2. Probability of successful immunization	This category favors those for whom vaccination has the highest probability of medical success— e.g. preventing severe influenza illness and/or death.	Vaccine effectiveness	Ability of vaccine to prevent illness and death from pandemic influenza by promoting an effective immune response. ³
3. Performs essential emergency response role	This category favors those groups who provide essential services in launching a pandemic emergency response.	Provides DIRECT emergency response service	Provides DIRECT service essential to carrying out an emergency response.
		Provides SUPPORT emergency response service	Provides SUPPORT service that is essential to carrying out an emergency response.
4. Performs essential community role	This category favors those groups who directly provide a service that is essential to maintaining social continuity and reducing the threat of social chaos.	Provides essential community service	Directly contributes to social and economic continuity.

¹ Risk of complication will be based on epidemiologic evidence collected during interpandemic years. Risk of complication may change depending on the epidemiology of the influenza pandemic.

² For group comparison purposes, assume that there is complete disease susceptibility across all populations. Therefore, anyone who becomes infected with the influenza virus also develops disease.

³ Vaccine effectiveness depends on degree of similarity between inactivated virus and actual virus circulating in population. Estimates are based on vaccine efficacy during interpandemic years.

Rating Scale Exercise

INSTRUCTIONS

We would like you to determine the RELATIVE importance of the seven criteria in deciding who will be prioritized for the vaccine. Please assign a point value ranging from 0 to 10 for each of the seven criteria. If you feel that two criteria are equally important, assign them the same score. If you feel that one criterion is twice as important as another, assign it twice as many points (e.g., a criterion rated a 6 will be considered twice as important as a criterion rated a 3).

We will use this information to assign weights to the criteria. Criteria given a higher weight will have a larger impact on the ranking of priority groups.

QUESTION

Q2: Now, please rate the importance of each criterion in determining which groups should be vaccinated in the early stages of the pandemic (0= least important and 10=most important).

	0	1	2	3	4	5	6	7	8	9	10
Risk of complication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Risk of transmission	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Risk of infection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vaccine effectiveness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides DIRECT emergency response service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides SUPPORT emergency response service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides essential community service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Excluding and Including Criteria

INSTRUCTIONS

Now we would like to know if you believe any of the above criteria should be excluded from the analysis **OR** whether any new criteria not listed here should be included.

QUESTIONS

Q3. Should any of these criteria be excluded from the analysis? Please answer yes or no for each criterion.

	Yes	No
Risk of complication	<input type="checkbox"/>	<input type="checkbox"/>
Risk of transmission	<input type="checkbox"/>	<input type="checkbox"/>
Risk of infection	<input type="checkbox"/>	<input type="checkbox"/>
Vaccine effectiveness	<input type="checkbox"/>	<input type="checkbox"/>
Provides DIRECT emergency response service	<input type="checkbox"/>	<input type="checkbox"/>
Provides SUPPORT emergency response service	<input type="checkbox"/>	<input type="checkbox"/>
Provides essential community service	<input type="checkbox"/>	<input type="checkbox"/>

Q4. Are there additional criteria which have not been included that are important in determining how to prioritize population groups?

- Yes
- No

Q5. If yes, please list criteria and provide a brief definition.

You have now completed Section A. Please continue onto Section B.

SECTION B. ASSESSING POPULATION GROUPS ALONG CRITERIA

This section of the survey will ask you to answer a series of questions for target groups within the California population. The listed groups identify those populations that will likely meet one or more of the vaccination criteria and therefore should be targeted (or receive priority) for vaccine during the early stages of the pandemic. The target population groups are classified by health-related factors and professional roles. Groups performing professional roles are classified by the industry in which they work, the occupational setting where they work, and in some cases, the occupation or job title they hold.^{4 5}

IF YOU HAVE QUESTIONS ABOUT CERTAIN POPULATION GROUPS, PLEASE REFER TO THE APPENDIX (PAGE 48) OF THIS HANDOUT FOR DETAILED GROUP DESCRIPTIONS.

Please continue onto the next page.

⁴ Target group descriptions within industries, settings and occupations are based on the North American Industry Classification System (NAICS) definitions for 2002. <http://www.census.gov/epcd/naics02/naicod02.htm#N22>.

⁵ California Department of Labor Statistics labor market data will be used to determine population estimates for professional groups. <http://www.calmis.ca.gov/default.htm>

Excluding and Adding Population Groups

INSTRUCTIONS

Now we would like to know if you believe any of these population groups should be excluded from the analysis **OR** whether any other population groups not listed here should be included.

QUESTIONS

Q6. Should any of these population groups be excluded from the analysis?

Target Population	Yes
People with Chronic Medical Conditions, Ages 2 – 17	<input type="checkbox"/>
People with Chronic Medical Conditions, Ages 18 – 64	<input type="checkbox"/>
People with Chronic Medical Conditions, Ages 65+	<input type="checkbox"/>
Pregnant Women, All Ages	<input type="checkbox"/>
Infants and Toddlers, Ages 6 – 23 months	<input type="checkbox"/>
Household contacts of children <6 months, Ages 2 – 17	<input type="checkbox"/>
Household contacts of children <6 months, Ages 18 – 64	<input type="checkbox"/>
Household contacts of children <6 months, Ages 65+	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 2 – 17	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 18 – 64	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 65+	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>

Target Population	Yes
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>

Target Population	Yes
Community Services – Emergency Relief Organizations	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>
Healthy Children, Ages 2 - 5	<input type="checkbox"/>
Healthy Children, Ages 6 -17	<input type="checkbox"/>
Healthy Adults, Ages 18 - 64	<input type="checkbox"/>
Healthy Adults, Ages 65+	<input type="checkbox"/>

Q7. If you selected "yes" for any of the above population groups, please explain the rationale for excluding them.

Q8. Have any population groups been omitted from the above list that should be included in this analysis? If so, please list the population group below and describe the rationale for including this group in the analysis.

Risk of Complication Criterion

CRITERION DEFINITION

The definition of “risk of complication” is the following: Once infected, the probability of developing severe illness and/or dying as a result of the disease.

DETERMINANTS

The determinants of “risk of complication” are the following:

1. Age
2. Co-morbidity (other conditions affecting immune response)

RESEARCH

The table below summarizes current research on risk of complications (including hospitalization and/or death) from influenza illness that various populations face during interpandemic years. *This evidence will be incorporated into the prioritization process.*

Table 2: Research Data on Risk of Complication from Influenza ⁶

Population Group	Rate of Hospitalizations (Hospitalizations/ 100,000 persons)	High Risk of Complications, Hospitalizations, and Deaths ⁷
People with Chronic Medical Conditions, ages 2-17	92-320	Yes
People with Chronic Medical Conditions, ages 18-64	56-735	Yes
People with Chronic Medical Conditions, ages 65+	399-518	Yes
Pregnant women	50-210	Yes
Infants and Toddlers, Ages 6 – 23 months	144-496	Yes
Healthy Children, 2 – 4	0-196	Yes
Healthy Children, Ages 5 - 17	8-41	No
Healthy Adults, Ages 18 – 64	13-25	No
Healthy Adults, Ages 65+	125-228	Yes

⁶ SA, H., F. K., et al. (2005). Prevention and Control of Influenza: Recommendations of the Advisory Committee on Immunization Practices (ACIP), Department of Health and Human Services Centers for Disease Control and Prevention: 1-58

⁷ ACIP recommendations state “The risks for complications, hospitalizations, and deaths from influenza are higher among persons aged 65+ years, young children, and persons of any age with certain underlying health conditions than among healthy older children and younger adults. SA, H., F. K., et al. (2005). Prevention and Control of Influenza: Recommendations of the Advisory Committee on Immunization Practices (ACIP), Department of Health and Human Services Centers for Disease Control and Prevention: 4.

QUESTIONS

Q9. To your knowledge, is this data accurate and up-to-date?

Yes

No

Q10 If no, please provide corrections and additional data sources below.

Risk of Transmission Criterion

CRITERION DEFINITION

The definition of “risk of transmission” is the following: Once infected, the probability of transmitting the virus to a susceptible contact at high risk of influenza complications.

DETERMINANTS

The determinants of risk of transmission are the following:

1. Duration of infectiousness⁸
2. Frequency, closeness, and duration of contact with susceptible populations at high risk for influenza complications

RESEARCH EVIDENCE

The table below summarizes current research on periods of infectiousness for various population groups. *This evidence will be incorporated into the prioritization process.*

Table 3: Research Data on Periods of Infectiousness ⁹

Population Group	Long Period of Infectiousness (10+ days)
Severely immunocompromised persons, all ages	Yes (2+ weeks)
Pregnant women	No research evidence exists
Infants and Toddlers, Ages 6 – 23 months	Yes (10+ days)
Healthy Children, 2 – 4	Yes (10+ days)
Healthy Children, Ages 5 - 17	No (7 – 10 days)
Healthy Adults, Ages 18 – 64	No (7 – 10 days)
Healthy Adults, Ages 65+	No (7 – 10 days)

QUESTIONS

Q11. To your knowledge, is this data accurate and up-to-date?

- Yes
- No

⁸ Duration of infectiousness is determined by the number of days a person typically sheds the virus.

⁹ SA, H., F. K., et al. (2005). Prevention and Control of Influenza: Recommendations of the Advisory Committee on Immunization Practices (ACIP), Department of Health and Human Services Centers for Disease Control and Prevention: 1-58

Q12. If no, please provide corrections and additional data sources below.

Q13. On average, do these target groups have frequent, prolonged, and close (face-to-face) contact with *susceptible persons at high risk of developing complications if infected*?

Target Population	Yes	No	Not Sure
People with Chronic Medical Conditions, Ages 2 – 17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People with Chronic Medical Conditions, Ages 18 – 64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People with Chronic Medical Conditions, Ages 65+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pregnant Women, All Ages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infants and Toddlers, Ages 6-23 months	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of children <6 months, Ages 2 – 17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of children <6 months, Ages 18 – 64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of children <6 months, Ages 65+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 2 – 17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 18 – 64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 65+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Healthy Children, Ages 2 - 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Healthy Children, Ages 6 -17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Healthy Adults, Ages 18 - 64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Healthy Adults, Ages 65+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Risk of Infection Criterion

CRITERION DEFINITION

The definition of “risk of infection” is the following: The probability of becoming infected through close and/or prolonged contact with potentially infectious cases.

DETERMINANTS

The determinants of “risk of infection” are the following:

1. Frequency of contact with potentially infectious cases
2. Closeness of contact with potentially infectious cases
3. Duration of contact with potentially infectious cases

QUESTIONS

Q14. On average, do these target groups have frequent close (face-to-face) and/or prolonged close contact with potentially infectious persons throughout the course of a normal day?

Target Population	Yes	No	Not Sure
People with Chronic Medical Conditions, Ages 2 – 17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People with Chronic Medical Conditions, Ages 18 – 64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People with Chronic Medical Conditions, Ages 65+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pregnant Women, All Ages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infants and Toddlers, Ages 6-23 months	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of children <6 months, Ages 2 – 17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of children <6 months, Ages 18 – 64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of children <6 months, Ages 65+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 2 – 17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 18 – 64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household contacts of severely immunocompromised persons, Ages 65+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Healthy Children, Ages 2 - 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Healthy Children, Ages 6 -17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Healthy Adults, Ages 18 - 64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Healthy Adults, Ages 65+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Vaccine Effectiveness Criterion

CRITERION DEFINITION

The definition of “vaccine effectiveness” is the following: Ability of vaccine to prevent illness and death from pandemic influenza by promoting an effective immune response.

DETERMINANTS

The determinants of “vaccine effectiveness” are the following:

1. Age
2. Co-morbidity (other conditions affecting immune response)

RESEARCH

The table below summarizes current research on vaccine effectiveness in preventing severe illness and death for interpandemic influenza. *This evidence will be incorporated into the prioritization process.*

Table 4: Research Data on Risk of Complication from Influenza^{10 11 12}

Population Group	Vaccine Efficacy [A]	Evidence [B]
People with Chronic Medical Conditions, Ages 2 - 17	Moderate	Effectiveness in promoting an immune response: 30 – 70%
People with Chronic Medical Conditions, Ages 18 – 64	High	Little data exists; one case-control study found 87% of hospitalizations and 27% of GP visits
People with Chronic Medical Conditions, Ages 65+	Low	Effectiveness in preventing severe illness: 30 – 40%
Pregnant women	High	Little data exists, two studies found similar immune responses between pregnant and non-pregnant women
Infants and Toddlers, Ages 6 – 23 months	Moderate	No data exists on vaccine effectiveness in Infants and Toddlers; studies have shown that vaccine is 40 – 70% effective for children 1 to 5 years old.
Healthy Children, 2 – 4	Moderate	Effectiveness in preventing severe illness: 40 – 70%
Healthy Children, Ages 5 - 17	High	Effectiveness in preventing severe illness: 70 – 90%
Healthy Adults, Ages 18 – 64	High	Effectiveness in preventing severe illness: 70 – 90%
Healthy Adults, Ages 65+	Moderate	Effectiveness in preventing hospitalizations from severe illness: 30 – 70%

[A] Vaccine efficacy labels assigned roughly according to the following ranges: Low (<40%); Moderate (41 – 70%); High (>70%)

¹⁰ SA, H., F. K, et al. (2005). Prevention and Control of Influenza: Recommendations of the Advisory Committee on Immunization Practices (ACIP), Department of Health and Human Services Centers for Disease Control and Prevention: 1-58

¹¹ Hak E, B E, et al. Clinical effectiveness of influenza vaccination in persons younger than 65 years with high-risk medical conditions: the PRISMA study. Arch Intern Med. 2005 Feb 14;165(3):274-80.

¹² Englund, JA. Maternal immunization with inactivated influenza vaccine: rationale and experience. Vaccine 2003;21: 3490-64.

[B] Deaths from influenza are uncommon among all persons <65 years. The vaccine has been shown to be highly effective in preventing deaths from influenza in all age and risk groups.

QUESTIONS

Q15. To your knowledge, is this data accurate and up-to-date?

Yes

No

Q16. If no, please provide corrections and additional data sources below.

Provides DIRECT or SUPPORT Emergency Response Service Criteria

CRITERIA DEFINITIONS

The definition of “provides DIRECT service in emergency response” is the following: Provides DIRECT service essential to carrying out an emergency response.

The definition of “provides SUPPORT service in emergency response” is the following: Provides SUPPORT service that is necessary for carrying out an emergency response.

DETERMINANTS

The determinants of “provides DIRECT service in emergency response” and “provides SUPPORT service in emergency response” are closely related. The table below summarizes these determinants as well as which question the determinants are linked to.

Table 5: Determinants of Direct and Support Emergency Response Service

#	Direct service	Support Service	Related Survey Question
1	Directly provide services necessary to ensure vaccine is produced, distributed, disseminated, and administered among population	Directly SUPPORT those who provide services necessary to ensure vaccine is produced, distributed, disseminated, and administered among population	Q17
2	Provide patient care and essential medical services	Directly SUPPORT those providing patient care services by maintaining an operational medical care delivery system	Q18
3	Directly provides public health and/or front line emergency response services	Directly support those providing public health and front line emergency response services by maintaining an operational emergency response system	Q19
4	Role requires at least two years of advanced training and role cannot be easily or quickly replaced	Role requires at least two years of advanced training and role cannot be easily or quickly replaced	Q23

QUESTIONS

Q17. If a target group is **DIRECTLY** involved in the **production, distribution, dissemination, or administration of influenza vaccine**, please check the “Direct Role” box.

If a target group **SUPPORTS** the **production, distribution, dissemination, or administration of influenza vaccine**, please check the “Support Role” box.

If a target group does not perform either of these roles, please check the “No Role” box.

Target Population	Direct Role	Support Role	No Role	Not Sure
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Direct Role	Support Role	No Role	Not Sure
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Direct Role	Support Role	No Role	Not Sure
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q18. If a target group performs DIRECT patient care or medical services within the pandemic response, please check the “Direct Role” box.

If a target group SUPPORTS those who perform direct patient care or medical services by providing services essential to maintaining an operational medical care delivery system, please check the “Support Role” box.

If a target group does not perform either of these roles, please check the “No Role” box.

Target Population	Direct Role	Support Role	No Role	Not Sure
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Direct Role	Support Role	No Role	Not Sure
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Direct Role	Support Role	No Role	Not Sure
Services				
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q19. If a target group DIRECTLY provides public health and/or front line emergency response services, please check the “Direct Role” box.

If a target group SUPPORTS those who perform public health and/or front line emergency response service by providing services essential to maintaining an operational public health and emergency response system, please check the “Support Role” box.

If a target group does not perform either of these roles, please check the “No Role” box.

Target Population	Direct Role	Support Role	No Role	Not Sure
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Direct Role	Support Role	No Role	Not Sure
Care Technicians and Aides				
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Direct Role	Support Role	No Role	Not Sure
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Provides Essential Community Service Criterion

CRITERION DEFINITION

The definition of “provides essential community service” is the following: Directly contributes to social and economic continuity.

DETERMINANTS

The determinants of “provides essential community service” are the following:

1. Perform life-saving or life-preserving roles outside of the pandemic emergency response
2. Provide services in order to meet basic needs (food, water, energy, healthcare, shelter) of California residents and to ensure that the state functions
3. Provide services in order to meet the basic financial needs of California residents and to ensure that the state functions
4. Role requires at least two years of advanced training and role cannot be easily or quickly replaced

QUESTIONS

Q20. Do these target groups directly perform essential life-saving/life-preserving roles that are essential to the community?

Target Population	Yes	No	Not Sure
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q21. Do these target groups provide services in order to meet the basic needs of California residents and to ensure that the state functions?

Target Population	Yes	No	Not Sure
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q22. Do these target groups *provide essential services in order to meet the basic financial needs of California residents* and to ensure that vital economic activities within the state continue to function?

Target Population	Yes	No	Not Sure
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Expert Determinant

DETERMINANT DEFINITION

The definition of “expert” is the following: Role requires at least two years of advanced training and role cannot be easily or quickly replaced.

RELATIONSHIP TO CRITERIA

“Expert” is a determinant of three criteria:

1. Provides DIRECT emergency response service
2. Provides SUPPORT emergency response service
3. Provides essential community services

QUESTION

Q23. On average, do these target groups perform roles that requires at least two years of advanced training and the role is difficult to replace?

Target Population	Yes	No	Not Sure
General medical and surgical hospital setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General medical and surgical hospital setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Psychiatric and substance abuse hospitals – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambulatory Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Practitioners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nursing and Residential Care Facilities setting – Health Care System Support and General Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Pre-event Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Event Oriented Public Health Emergency Responders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health Department – Non-emergency Public Health Professionals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Diagnostic Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Medical and Pharmaceutical Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Pharmacies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Other Health and Personal Care Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Health Industry – Death Care Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Executive Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Legislative Bodies and Offices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Tribal Governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Administration – Public Finance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Target Population	Yes	No	Not Sure
Public Safety and Justice – Judicial and Legal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Police Protection/Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Fire Protection/EMT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Corrections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Safety and Justice – Emergency and Disaster Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial and Insurance Services Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Religious Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Emergency Relief Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Services – Non-emergency Social Assistance Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Postal Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Transit and Ground Passenger Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Couriers and Messengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation and Warehousing – Warehousing and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturing – Food Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Food, Beverage, and Grocery Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retail Trade – Gasoline Stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility Industries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste Management and Remediation Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION C. SURVEY EVALUATION AND DEMOGRAPHIC QUESTIONS

We are now going to ask you a series of questions to determine if this survey has accomplished its main objectives and to determine the usability of the survey. The four main objectives of this survey are as follows:

1. To determine the relative importance of the identified criteria
2. To determine whether additional criteria should be incorporated into our decision tool
3. To identify and describe the target groups that should be prioritized for vaccine
4. To determine how well each target group meets the relevant vaccination criteria

Evaluating Survey

INSTRUCTIONS

Please indicate whether you agree or disagree with the following statements.

QUESTIONS

Q24. The rating scale exercise adequately assessed the relative importance between the seven criteria.

Strongly Agree Agree Disagree Strongly Disagree

Q25. The list of target populations was comprehensive; no relevant groups were missing from the target population list.

Strongly Agree Agree Disagree Strongly Disagree

Q26. The criteria questions (listed in Section B) accurately captured the important dimensions of each of the seven criteria.

Strongly Agree Agree Disagree Strongly Disagree

Q27. This document contained sufficient information regarding how the information from this survey will be analyzed and used.

Strongly Agree Agree Disagree Strongly Disagree

Q28. If you disagree with the statement in Q27, please provide a brief description of what information was missing.

Q29. I feel confident in using the decision analysis scoring tool and the survey results to develop California's prioritized list of population groups for pandemic influenza vaccination.

- Strongly Agree Agree Disagree Strongly Disagree

Q30. Please provide any additional comments regarding the information presented in this survey or any specific comments related to survey questions.

Evaluating Survey Usability

INSTRUCTIONS

We are now going to ask you a series of questions to assess the process of taking this survey. We would appreciate honest feedback so that we can improve the usability of this survey.

QUESTIONS

Q31. Was the level of information provided about the population groups in “APPENDIX: TARGET POPULATION DESCRIPTIONS” sufficient to answer the questions?

- Yes, but there was too much information
- Yes, it was fine
- No, I needed more information

Q32. If you answered "no" to Q31, please tell us what other information you needed.

Q33. Was the level of information provided about the criteria (e.g., criteria definitions, determinants, research evidence) sufficient to answer the questions?

- Yes, but there was too much information
- Yes, it was fine
- No, I needed more information

Q34. If you answered “no” to Q33, please tell us what other information you needed.

Q35. Do you have any ideas regarding how we can improve the usability of this survey?

Q36. Approximately how much time did this survey take you to complete?

- Under 30 minutes
- 30 – 45 minutes
- 45 – 60 minutes
- 60 – 75 minutes
- 75 – 90 minutes
- 90+ minutes
- Other (please specify) _____

Demographic Information

INSTRUCTIONS

Finally, we would like to obtain some demographic information from you.

Please review the “Confidentiality and Use of Survey Information” statement on Page 2 if you have concerns regarding the use of this information.

QUESTIONS

Q37. Please write your name here: _____

Q38. Please indicate what type of organization you work for.

- _____ State health department/jurisdiction
- _____ Local health department/jurisdiction
- _____ Hospital or community clinic
- _____ College or university
- _____ Law enforcement/fire/emergency response
- _____ Community-based organization
- _____ Business
- _____ Other (please specify) _____

Q39. Please write your job/professional title here: _____

Q40. Please provide an email address that we may use to contact you if we have further questions: _____

Thank you!

Thank you for completing this survey. **Please send to Trevor Shoemaker at the address listed below by or on July 29th.** The pandemic influenza advisory group's responses will be analyzed to determine the preliminary target group prioritization list. We will provide you with this analysis in a subsequent meeting.

If you have any additional questions or comments please contact:

Trevor Shoemaker
Research Scientist
Immunization Branch
California Department of Health Services
2151 Berkeley Way, Rm. 712
Berkeley, CA 94704
Phone: (510) 540-3568

APPENDIX. TARGET POPULATION DESCRIPTIONS

This appendix reviews the target population groups in greater depth by providing detailed descriptions and population estimates for each group. The groups listed below identify those populations that will likely meet one or more of the vaccination criteria and therefore should be targeted (or receive priority) for vaccine during the early stages of the pandemic. The target population groups are classified by health related factors and professional roles. Groups performing professional roles are classified by the industry in which they work, the occupational setting where they work, and in some cases, the occupation or job title they hold.^{13 14}

Division I: Health-related characteristics¹⁵

This group includes persons with a variety of health characteristics that may place them at higher risk of developing influenza complications as well as those who can transmit influenza to high risk persons. Specific groups within this division are the following:

People with underlying chronic medical conditions

1. Persons ages 2-17 years
2. Persons ages 18-64 years
3. Persons ages 65+ years

A. Pregnant Women (all ages)

B. Infants and Toddlers

C. Primary household contact of children <6 months

1. PHHC ages 2-17 years
2. PHHC ages 18-64 years
3. PHHC ages 65+ years

D. Primary household contact of severely immunocompromised persons

1. PHHC ages 2-17 years
2. PHHC ages 18-64 years
3. PHHC ages 65+ years

Table 1 below describes these groups in greater detail.

¹³ Target group descriptions within industries, settings and occupations are based on the North American Industry Classification System (NAICS) definitions for 2002. <http://www.census.gov/epcd/naics02/naicod02.htm#N22>.

¹⁴ California Department of Labor Statistics labor market data will be used to determine population estimates for professional groups. <http://www.calmis.ca.gov/default.htm>

¹⁵ Health-characteristics are based on CDC descriptions of populations at high risk of influenza complications during inter-pandemic years.

Table 1: Target group descriptions for persons with HEALTH-RELATED CHARACTERISTICS

Target Group	Population Estimates	Target Group Descriptions
People with Chronic Medical Conditions, Ages 2 – 17	956,404	Chronic medical conditions include physician-diagnosed respiratory diseases (asthma, cystic fibrosis), any conditions that compromises respiratory functioning (cognitive dysfunction, spinal cord injuries, seizure and other muscular disorders), metabolic diseases (diabetes), cardiovascular or renal diseases (congenital heart disease, other heart diseases), blood diseases (sickle cell anemia), diseases leading to immunosuppression (cancer, HIV/AIDS), and children who receive long-term aspirin therapy and may be at risk for experiencing Reye syndrome after influenza infection
People with Chronic Medical Conditions, Ages 18 – 64	4,098,331	Chronic medical conditions include physician-diagnosed respiratory disease (asthma, cystic fibrosis, emphysema, COPD, chronic bronchitis), any conditions that compromises respiratory functioning (cognitive dysfunction, spinal cord injuries, seizure and other muscular disorders), metabolic disease (diabetes), cardiovascular disease (coronary artery disease, angina, heart attack, other heart conditions), renal disease, and diseases requiring immunosuppression (cancer; excluding non-melanoma skin cancer, blood cancer, lymphoma, leukemia, HIV/AIDS)
People with Chronic Medical Conditions, Ages 65+	4,045,686	Assume this group is residing in a nursing home or in a residential care facility. List of chronic medical conditions for 65+ is same as 18-64.
Pregnant Women (all ages)	541,866	Women who will be pregnant at any time during the influenza season
Infants and Toddlers, Ages 6-23 months	542,482	Includes children who turn age 6 months during the influenza season (but would not include those children who turn 24 months during this period.
Primary household contact of children <6 months, Ages 2-17	72,957	Household contacts include the primary care giver of a child aged <6 months who is residing at home with that child
Primary household contact of children <6 months, Ages 18-64	167,341	Same as above for primary care givers ages 18-64
Primary household contact of children <6 months, Ages 65+	30,635	Same as above for primary care givers ages 65+
Primary household contact of severely immunocompromised persons, Ages 2-17	65,437	Household contacts include the primary care giver of a person receiving an organ transplant, diagnosed with AIDS or diagnosed with incident cancer.
Primary household contact of severely immunocompromised persons, Ages 18-64	150,094	Same as above for primary care givers ages 18-64
Primary household contact of severely immunocompromised persons, Ages 65+	27,477	Same as above for primary care givers ages 65+

Division II: Professional roles within the following HEALTH industries¹⁶

Includes members of the healthy adult population (18+) participating in the labor force within medical care, public health, and commercial health professions. Specific groups within this division are the following:

- A. Medical care service industry:** This industry includes professionals working in the following medical care settings:
1. *General Medical and Surgical Hospitals:* Facilities that provide medical, diagnostic, and treatment services (both surgical and nonsurgical) to inpatients with any of a wide variety of medical conditions.
 2. *Psychiatric and Substance Abuse Hospitals:* Facilities that provide diagnostic, medical treatment, and monitoring services for inpatients who suffer from mental illness or substance abuse disorders.
 3. *Ambulatory care facilities:* Facilities that provide health care services to ambulatory patients and do not usually provide inpatient services. Includes the following facilities: offices of physicians, dentists, and other health practitioners; outpatient care centers; home health care services; and other ambulatory care service centers (blood banks, etc.)
 4. *Nursing and residential care facilities:* Facilities that provide residential care combined with either nursing, supervisory, or other types of care as required by the residents.
- B. Public Health Departments:** Includes professionals working in a public health department setting. Includes public health workers employed in federal, state, and local health jurisdictions that have a role within the incident command structure (ICS) for infectious disease emergencies.
- C. Commercial Health Industries:** Includes professionals working in the following commercial health settings:
1. Medical and diagnostic laboratories
 2. Manufacturing - Medical and pharmaceutical manufacturing
 3. Retail Trade - Pharmacies
 4. Retail Trade - Other health and personal care stores
 5. Death Care Services

Tables 2, 3, and 4 below describe these groups in greater detail.

¹⁶ Industry, setting and occupation descriptions are based on the North American Industry Classification System (NAICS) definitions for 2002. See United States Census Bureau for complete list of industries and their definitions. <http://www.census.gov/epcd/naics02/naicod02.htm#N22>

Table 2: Target group descriptions for professionals working in MEDICAL CARE SERVICE INDUSTRY

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Medical Care Practitioners	258,600	Medical care practitioners are professionals who provide direct patient care services through the diagnosis and treatment of diseases and injuries.	Medical care practitioners hold professional degrees, have completed advanced training and function in highly autonomous roles.	Family and general practitioners, surgeons, registered nurses, and physician assistants.
Medical Care Technicians and Aides	311,100	Medical care technicians are professionals who prepare equipment for medical procedures and administer routine tests and treatments to patients. Medical aides assess and care for patients needs by carrying out treatment plans and documenting progress.	These professionals have a range of expertise from associate degrees to on-the-job training depending on occupation.	Respiratory therapists, home health aides, nursing aides, medical assistants.
Medical Scientists and Laboratory Technicians,	22,700	Medical scientists conduct research dealing with the understanding of human diseases, and laboratory technicians perform laboratory tests to diagnosis, treat, and prevent disease.	These professionals have a range of expertise from bachelor's degrees to advanced degrees and function in highly autonomous roles.	Pathologists, microbiologists, medical and clinical laboratory technicians, biological technicians.
Mental Health and Social Service Providers	34,100	This group includes professionals who provide mental health care and social support services to patients, families, and health care workers.	These professionals hold college or advanced degrees and function in highly autonomous roles.	Mental health counselors, medical and public health social workers, and social and human service assistants.
Health Care System Support and General Support	430,500	Health care system support includes professionals who perform organizational, business, financial and administrative roles. General support includes professionals who provide security, food preparation and handling, cleaning and maintenance and personal care services to support the daily operations of the medical care facility.	These professionals have a range of expertise from on-the-job training to advanced degrees depending on occupation.	Medical and health service managers, budget analysts, computer systems analysts, medical assistants, medical secretaries, Security guards, food preparation workers, janitors and cleaners, and maids and housekeeping.

Table 3: Target group descriptions for medical care professionals working in PUBLIC HEALTH DEPARTMENTS

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations ¹⁷
Pre-event public health emergency responders	Estimate not available	Public health workers who have a role within the incident command structure (ICS) for infectious disease emergencies and this role has been designated PRIOR TO THE EVENT occurring.	These professionals have a range of expertise from associate degrees to advanced professional degrees depending on occupation.	Medical Officers, deputy medical officers, public information officers, safety officers, bioterrorism coordinators, communicable disease epidemiologists and researchers, public health infectious disease physicians and nurses, and public health laboratory technicians and scientists.
Event oriented public health emergency responders	Estimate not available	Public health workers who have a role within the incident command structure (ICS) for infectious disease emergencies and this role has been designated DURING THE EVENT.	These professionals have a range of expertise from associate degrees to advanced professional degrees depending on occupation.	Non-communicable disease public health physicians, nurses and pharmacists, epidemiologists and researchers, environmental/ occupational health inspectors, health educators, coroners and emergency logistics finance, administrative, and ITS support staff.
Non-emergency public health professionals	Estimate not available	Public health workers professionals who work in programmatic areas not affiliated with the emergency response as well as professionals who provide security, cleaning and maintenance services to support the daily operations of the health department facility.	These professionals have a range of expertise from on-the-job training to advanced professional degrees depending on occupation.	Non-emergency response health program coordinators, health educators, researchers and epidemiologists, health educators, finance administrative and ITS staff, and security guards, janitors and cleaners.

¹⁷ Public Health Occupations will be defined by local health jurisdictions and included in their pandemic emergency response plans.

Table 4: Target group descriptions for professionals working in COMMERCIAL HEALTH INDUSTRIES

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations ¹⁸
Medical and Diagnostic Laboratories	20,200	This industry comprises establishments engaged in providing analytic or diagnostic services, including body fluid analysis and diagnostic imaging, generally to the medical profession or to the patient on referral from a health practitioner.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Medical and clinical laboratory technologists and technicians, health support workers, medical secretaries, and microbiologists.
Manufacturing-Pharmaceutical and Medicine Manufacturing	39,500	This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing biological and medicinal products; (2) processing (i.e., grading, grinding, and milling) botanical drugs and herbs; (3) isolating active medicinal principals from botanical drugs and herbs; and (4) manufacturing pharmaceutical products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Scientists (chemists, microbiologists), biological technicians, packers, and machine operators.
Retail Trade-Pharmacies	103,600	This industry comprises establishments known as pharmacies and drug stores engaged in retailing prescription or nonprescription drugs and medicines.	Same as above	Pharmacists, pharmacy aides, cashiers.
Retail Trade-Other health and personal care stores	Population estimate included in retail trade-pharmacies	Industries in the Health and Personal Care Stores subsector retail health and personal care merchandise from fixed point-of-sale locations. Industries include: optical stores, hearing aid stores, medical equipment and supply stores, and prosthetic stores	These professionals have a range of expertise from bachelor's degrees to on-the-job training depending on occupation.	Opticians, audiologists, optometrists, respiratory cashiers.
Death Care Services	10,600	This industry comprises establishments primarily engaged in preparing the dead for burial or internment and conducting funerals Funeral homes combined with crematories are included in this industry.	The majority of these professionals have had on-the-job-training.	Funeral service directors, morticians, embalmers.

¹⁸ Public Health Occupations will be defined by local health jurisdictions and included in their pandemic emergency response plans.

Division III: Professional roles within Public Administration, Safety, and Justice

Includes members of the healthy adult population (18+) participating in the labor force within public administration, justice and safety professions. Specific groups within this division are the following:

- A. Public Administration:** Includes professionals working in the following government settings:
 1. Executive Offices
 2. Legislative Bodies and Offices
 3. Tribal Governments
 4. Public Finance Services

- B. Public Safety and Justice:** Includes professionals working in the following industries
 1. Judicial and Legal Services
 2. Police Protection
 3. Fire Protection/EMT
 4. Corrections
 5. Emergency and Disaster Management Services

Tables 5 and 6 below describe these groups in greater detail.

Table 5: Target group descriptions for medical care professionals working in PUBLIC ADMINISTRATION INDUSTRIES

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Executive Offices	2,100	This industry comprises government establishments serving as offices of chief executives and their advisory committees and commissions. This industry includes offices of the governors, and mayors, in addition to executive advisory commissions.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Governor, mayors, city and county commissioners, executive advisors and staff.
Legislative Bodies and Offices	3,100	This industry comprises government establishments serving as legislative bodies and their advisory committees and commissions. Included in this industry are legislative bodies, such as state legislatures, county and city councils, supervisor boards, and advisory and study legislative commissions.	Same as above	City, county and state legislators and their staff.

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Tribal Governments	34,800	This industry comprises American Indian and Alaska Native governing bodies. Establishments in this industry perform legislative, judicial, and administrative functions for their American Indian and Alaska Native lands. Included in this industry are tribal councils, courts, and law enforcement bodies.	Same as above	Tribal government officials and personnel.
Public Finance Services	32,000	This industry comprises government establishments primarily engaged in public finance, taxation and monetary policy. Included are financial administration activities, such as monetary policy; tax administration and collection; custody and disbursement of funds; debt and investment administration; auditing activities; and government employee retirement trust fund administration.	Same as above	Budget analysts, financial managers, and public fiscal and administrative staff.

Table 6: Target group descriptions for medical care professionals working in PUBLIC SAFETY AND JUSTICE INDUSTRIES

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Judicial and Legal Services	28,400	This industry comprises civilian courts of law as well as government establishments primarily engaged in providing legal counsel or prosecution services for the government.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Judges and magistrates, public prosecutors and defenders, professionals working in courts, attorney general and district attorney offices.
Police Protection/ Law Enforcement	96,000	This industry comprises government establishments primarily engaged in criminal and civil law enforcement, police, traffic safety, and other activities related to the enforcement of the law and preservation of order.	Same as above	Detectives and criminal investigators, police and sheriff patrol officers, police dispatchers.

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Fire Protection/EMT	55,100	This industry comprises government establishments primarily engaged in fire fighting and other related fire protection activities. Government establishments providing combined fire protection and ambulance or rescue services are classified in this industry.	Same as above	Fire fighters, fire inspectors and investigators, emergency medical technicians, ambulance drivers, fire and ambulance dispatchers.
Corrections	55,600	This industry comprises government establishments primarily engaged in managing and operating correctional institutions. The facility is generally designed for the confinement, correction, and rehabilitation of adult and/or juvenile offenders sentenced by a court.	Same as above	Correctional officers and jailers, managers of correctional officers, administrative and personal care service staff of correctional institutions.
Emergency and Disaster Management Services	500	This industry comprises government establishments who prepare emergency plans and procedures for natural, wartime, or technological emergencies, hazardous disasters or hostage situations.	Same as above	State and local emergency management planners as well as other professionals working in federal, state and local emergency and disaster management operations centers and offices.

Division IV: Professional roles within NON-HEALTH commercial industries

Includes members of the healthy adult population (18+) participating in the labor force within non-health and commercial industries. Specific groups within this division are the following:

- A. Agriculture Industry**
- B. Information Industry**
- C. Educational Services**
- D. Financial and Insurance Services**
- E. Community Care Services**
 - 1. Religious Organizations
 - 2. Emergency Relief Services
 - 3. Non-emergency Social Assistance Services

F. Transportation and Warehousing Services

1. Postal Services
2. Air, Rail, Water, and Truck Transportation & Support Activities
3. Transit and Ground Passenger Transport
4. Couriers and Messengers
5. Warehousing and Storage

G. Manufacturing Industries - Food Manufacturing only

H. Retail Trade - Food, Beverage, and Grocery Stores only

I. Utility Industries

J. Waste Management and Remediation Services

Table 7 below describes these groups in greater detail.

Table 7: Target group descriptions for professionals working in NON-HEALTH COMMERCIAL INDUSTRIES

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Agriculture	372,308	The Agriculture sector comprises establishments primarily engaged in growing crops, raising animals, harvesting timber, and harvesting fish and other animals from a farm, ranch, or their natural habitats.	The majority of these professionals have had on-the-job-training.	Farmers, farm workers, ranchers, fishermen, and loggers.
Information Industry (broadcasting, publishing and telecommunications)	342,100	The main components of this sector are the publishing industries, including software, paper and internet publishing; the broadcasting industries, including traditional broadcasting and broadcasting over the Internet; the telecommunications industries; the industries known as Internet service providers and web search portals, data processing industries, and the information services industries.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Radio and television broadcasters, newspaper and internet publishers, and telecommunications engineers
Educational Services	245,500	The Educational services sector comprises establishments that provide instruction and training in a wide variety of subjects. This instruction and training is provided by specialized establishments, such as schools, colleges, universities, and training centers. These establishments may also offer food and accommodation services to their students.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Teachers, professors, educational administrators, food service workers, school psychologists, and security guards.

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Financial and Insurance Services	584,600	The Finance and insurance sector comprises establishments primarily engaged in financial transactions (transactions involving the creation, liquidation, or change in ownership of financial assets) and/or in facilitating financial transactions. The sub-sectors within the finance and insurance industry include: credit intermediation, financial investments, insurance carriers, and financial vehicles (funds and trusts).	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Bankers, tellers, insurance underwriters, and financial analysts.
Community and Individual Care Services- Religious Organizations	89,000	This industry comprises (1) establishments primarily engaged in operating religious organizations, such as churches, religious temples, and monasteries and/or (2) establishments primarily engaged in administering an organized religion or promoting religious activities.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Clergy, religious counselors, volunteers, administrative staff.
Community and Individual Care Services- Emergency Relief Organizations	14,600	This industry comprises establishments primarily engaged in providing food, shelter, clothing, medical relief, resettlement, and counseling to victims of domestic or international disasters or conflicts.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Nurses, family social workers, mental health counselors, administrative and finance staff, personal care service staff.
Community and Individual Care Services- Non-emergency social assistance services	173,500	Industries in the community and social assistance subsector provide a wide variety of social assistance services directly to their clients including: individual and family services, vocational and rehabilitation services and child day care services.	These professionals have a range of expertise from professional degrees to on-the-job training depending on occupation.	Social workers, rehabilitation counselors, vocational assistants, and childcare workers.
Transportation and Warehousing- Postal Services	74,200	This industry comprises establishments primarily engaged in operating the National Postal Service. Establishments primarily engaged in performing one or more postal services, such as sorting, routing, and/or delivery.	The majority of these professionals have had on-the-job-training.	Postal service clerks, mail carriers, mail sorters and machine operators.
Transportation and Warehousing- Air, Rail, Water, Pipeline, and Truck Transportation & Support Activities	263,800	This subsector includes industries providing transportation of passengers and cargo using aircrafts, railroads, pipelines, watercrafts, and motor vehicles as well as support activities involving the routine repair and maintenance of transportation equipment.	The majority of these professionals have had on-the-job-training.	Aircraft pilots, truck drivers, sailors, railway engineers, freight workers, laborers

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Transportation and Warehousing- Transit and Ground Passenger Transport	35,900	Industries in the transit and ground passenger transportation subsector include a variety of passenger transportation activities, such as urban transit systems; chartered bus, school bus, and interurban bus transportation; and taxis.	The majority of these professionals have had on-the-job-training.	Taxi drivers, bus drivers (school and mass transit), toll booth operators
Transportation and Warehousing- Couriers and Messengers	72,500	Industries in the couriers and messengers subsector provide intercity and/or local delivery of parcels. This includes the establishments that perform intercity transportation as well as establishments that, under contract to them, perform local pick-up and delivery. Messengers, which usually deliver within a metropolitan or single urban area, may use bicycle, foot, small truck, or van.	The majority of these professionals have had on-the-job-training.	See target group description
Transportation and Warehousing- Warehousing and Storage	57,900	Industries in the warehousing and storage subsector are primarily engaged in operating warehousing and storage facilities for general merchandise, refrigerated goods, and other warehouse products. These establishments take responsibility for storing the goods and keeping them secure.	The majority of these professionals have had on-the-job-training.	Laborers, packers and packagers, sales managers, and security guards
Manufacturing- Food Manufacturing	156,200	Industries in the food manufacturing subsector transform livestock and agricultural products into products for intermediate or final consumption. The food products manufactured in these establishments are typically sold to wholesalers or retailers for distribution to consumers, but establishments primarily engaged in retailing bakery and candy products made on the premises not for immediate consumption are included.	The majority of these professionals have had on-the-job-training.	Butchers, bakers, and food batchmakers.

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Retail Trade- Food, Beverage and Grocery Stores, <i>including those with pharmacies</i>	263,600	Industries in the food and beverage stores subsector usually retail food and beverages merchandise from fixed point-of-sale locations. Establishments in this subsector have special equipment (e.g., freezers, refrigerated display cases, refrigerators) for displaying food and beverage goods. They have staff trained in the processing of food products to guarantee the proper storage and sanitary conditions required by regulatory authority.	The majority of these professionals have had on-the-job-training.	Cashiers, packers, food preparation workers, and pharmacists
Retail Trade- Gasoline Stations	56,800	Industries in the gasoline stations subsector group establishments retailing automotive fuels (e.g., gasoline, diesel fuel, gasohol) and automotive oils and retailing these products in combination with convenience store items. These establishments have specialized equipment for the storage and dispensing of automotive fuels.	The majority of these professionals have had on-the-job-training.	Service station attendants, mechanics, and cashiers
Utility Industries	54,800	The utilities sector comprises establishments engaged in the provision of the following utility services: electric power, natural gas, steam supply, water supply, and sewage removal. Within this sector, the specific activities associated with the utility services provided vary by utility: electric power includes generation, transmission, and distribution; natural gas includes distribution; steam supply includes provision and/or distribution; water supply includes treatment and distribution; and sewage removal includes collection, treatment, and disposal of waste through sewer systems and sewage treatment facilities.	These professionals have a range of expertise from bachelor's degrees to on-the-job training depending on occupation.	Power plant operators, civil engineers, water control and valve installers, administrative staff.

Target Group	Population Estimates	Target Group Description	Level of Expertise	Sample Occupations
Waste Management and Remediation Services	35,300	Industries in the waste management and remediation services industry engage in the collection, treatment, and disposal of waste materials. This includes establishments engaged in local hauling of waste materials; operating materials recovery facilities; providing remediation services; and providing septic pumping and other miscellaneous waste management services.	These professionals have a range of expertise from bachelor's degrees to on-the-job training depending on occupation.	Occupational roles may include: refuse collectors, truck drivers, waste treatment plant operators, hazardous materials workers.

Division V: Other healthy populations

Includes persons with NO underlying health characteristics that put them at high risk of influenza complications and those 18+ who are NOT EMPLOYED in the professional occupations and industries identified above. Specific groups within this division are the following:

- A. Healthy Children, Ages 2 - 5**
- B. Healthy Children, Ages 6 – 17**
- C. Healthy Adults, Ages 18 – 64**
- D. Healthy Adults, Ages 65+**

Table 8 below describes these groups in greater detail.

Table 8: Target group descriptions for HEALTHY POPULATIONS

Target Group	Population Estimates	Target Group Descriptions
Healthy Children, Ages 2-5	1,830,707	Healthy children ages 2-5 years with no underlying health conditions that put them at high risk of influenza complications
Healthy Children Ages 6-17	6,321,500	Healthy children ages 6-17 years with no underlying health conditions that put them at high risk of influenza complications and those 18+ who are not employed in the professional occupations and industries identified above
Healthy Adults, Ages 18-64	18,527,395	Healthy adults ages 18-64 years with no underlying health conditions that put them at high risk of influenza complications and who are not employed in the professional occupations and industries identified above

Healthy Adults, Ages 65+	0 (All adults 65+ included in People with Chronic Medical Conditions, Ages 65+)	Same description as above for adults ages 65+
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