

SUPPLEMENTAL DOCUMENT E:**Analysis of DAST Survey Results**

This supplemental document presents the results of the DAST survey. The first section reviews the prioritization of the intervention goals and derives the criteria weights. The second section discusses the criterion scores and the final prioritization scores that each target population group received. The final section evaluates the survey objectives, assesses the survey instrument, and provides some demographic information about the survey respondents.

SECTION A. RATING THE IMPORTANCE OF VACCINATION CRITERIA**A. Prioritizing Intervention Goals**

The DAST survey asked respondents to rank the three intervention goals. Table 1 presents the survey results.

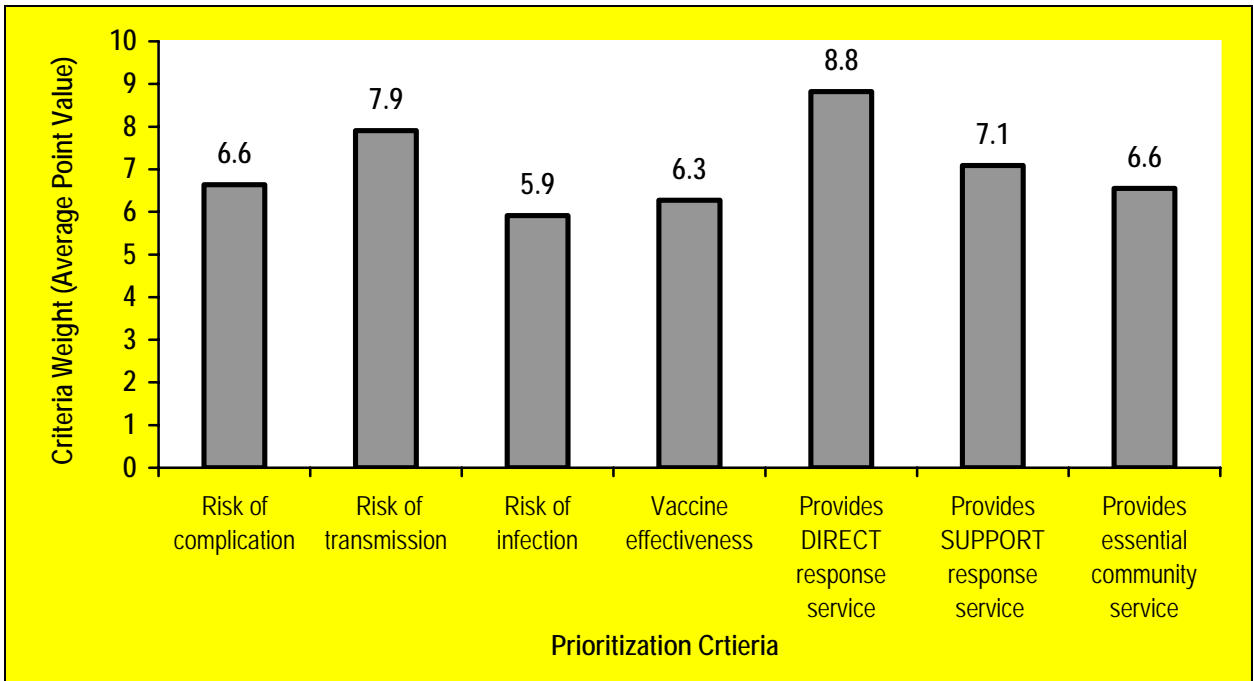
	MINIMIZE HEALTH CONSEQUENCES	Minimize social disruption	Minimize economic consequences
Mean rank	1.181818	2.090909	2.727273
Standard Deviation	0.40452	0.53936	0.64667
Mode rank	1	2	3

Most respondents ranked “minimizing health consequences” as the most important intervention goal. “Minimizing social disruption” and “minimizing economic consequences” ranked second and third, respectively. These results support prioritizing “minimizing health consequences” as the primary goal within the DAST methodology.

B. Determining Importance of Vaccination Criteria**Deriving Criteria Weight**

The survey instrument asked respondents to rate the importance of the criteria on an eleven-point scale (0=least important and 10=most important). Figure 1 presents the seven prioritization criteria and their average point values.

FIGURE 1: Prioritization Criteria by Weight (Average Point Value)



Most respondents felt that all of the criteria were important (received >5 points), however some criteria were deemed more important than others. Providing direct emergency response services is considered the most important criteria with a value of 8.8182 points. This is followed by risk of transmission (7.9091) and providing support emergency response services (7.0909). Risk of complication and providing essential community services are comparably important (6.6364 and 6.5455 respectively). Vaccine effectiveness (6.2727) and risk of infection (5.9091) were least important.

Adding/Excluding Criteria

The “vaccine effectiveness” criterion received two votes out of ten (25%) for exclusion from the DAST model. The following criteria each received one vote for exclusion: “providing direct emergency response service;” “providing support emergency response service;” and “risk of infection.” The remaining criteria received no votes and should remain in the model. One respondent wished to create a new criterion entitled “providing direct patient care services” by separating this determinant from the direct emergency response service criterion. No other respondents wished to add additional criteria or redefine existing criteria. Researchers will follow-up with individual respondents who voted to exclude or include criteria to understand the rationale behind these decisions and to update current inputs.

SECTION B. ASSESSING POPULATION GROUPS ALONG CRITERIA

A. Criterion Scores

Criterion scores are reported below along with a summary of how the target groups were evaluated on each criterion. Additionally, the “degree of uncertainty” around these results is reported. “Degree of uncertainty” is measured as the percentage of survey

respondents that indicated they were “not sure” if certain target groups fulfilled a given criterion.

Risk of Complication

The “risk of complication” criterion is divided into two direct determinants: risk of hospitalization and risk of death. Current interpandemic research was summarized and included in the survey instrument. Respondents were asked to assess whether the research evidence presented on the survey was “accurate” and “up-to-date.” Ninety percent of survey respondents agreed that the research evidence is acceptable for use in the DAST model. The assessment of how well each population group matches these determinants was conducted by CIDP researchers based on the research.

Table 2 below shows whether the target groups fulfill each of the direct determinants within this criterion. If a group fully matched a determinant, it is noted with a “Yes” label and the maximum percentage of criterion points for this determinant was awarded. If a group matched some of the determinant, it is noted with a “Partial” label and the listed percentage of criterion points for this determinant was awarded. Finally, if a group did not match a determinant, it is noted with a “No” label and zero criterion points for this determinant were awarded. The table also shows the “strength of match” for the criterion. (Recall that the “strength” of the match is a function of the number and importance of direct determinants a population group fulfills.)

The groups fell broadly into three different tiers. The first tier has the highest risk for both hospitalization and death from influenza complications. It is comprised of individuals over 65 years, regardless of health status or professional role. The second tier has a high risk for hospitalization, but not death. It is comprised of individuals with chronic medical conditions, pregnant women, and children under the age of five. The last tier, including all other target groups, is not at elevated risk for hospitalization or death and received zero points on this criterion.

The DAST survey did not assess the degree of uncertainty around the “strength of the match” between the target groups and the “risk of complication” criterion because CIDP researchers answered the questions for each target group. However, there is uncertainty around the accuracy of these judgments since interpandemic research evidence was used as the basis for analysis. Because epidemiologists cannot predict the epidemiology of the next pandemic with any great certainty, interpandemic and pandemic epidemiology may differ widely. Therefore, the DAST results may vary significantly if the epidemiology of a pandemic differs from that of seasonal influenza.

TABLE 2: Risk of Complication Data

Rank	Target Groups	Determinants		Strength of Criterion Match	Total Criterion Points
		High Risk of Hospitalization	High Risk of Death		
	Max. Value of Questions and Criterion	50%	50%	100%	6.63636
1	People with Chronic Medical Conditions, Ages 65+	Yes (50%)	Yes (50%)	100.0%	6.63636

TABLE 2: Risk of Complication Data

Rank	Target Groups	Determinants		Strength of Criterion Match	Total Criterion Points
		High Risk of Hospitalization	High Risk of Death		
Max. Value of Questions and Criterion		50%	50%	100%	6.63636
	Household contacts of children <6 months, Ages 65+	Yes (50%)	Yes (50%)	100.0%	6.63636
	Household contacts of severely immunocompromised persons, Ages 65+	Yes (50%)	Yes (50%)	100.0%	6.63636
	Healthy Adults, Ages 65+	Yes (50%)	Yes (50%)	100.0%	6.63636
5	People with Chronic Medical Conditions, Ages 2 – 17	Yes (50%)	No (0%)	50.0%	3.31818
	People with Chronic Medical Conditions, Ages 18 – 64	Yes (50%)	No (0%)	50.0%	3.31818
	Pregnant Women, All Ages	Yes (50%)	No (0%)	50.0%	3.31818
	Infants and Toddlers, Ages 6-23 months	Yes (50%)	No (0%)	50.0%	3.31818
	Healthy Children, Ages 2 - 5	Yes (50%)	No (0%)	50.0%	3.31818
10	Household contacts of children <6 months, Ages 2 – 17	Yes (50%)	No (0%)	0.0%	0.00000
	Household contacts of children <6 months, Ages 18 – 64	No (0%)	No (0%)	0.0%	0.00000
	Household contacts of severely immunocompromised persons, Ages 2 – 17	No (0%)	No (0%)	0.0%	0.00000
	Household contacts of severely immunocompromised persons, Ages 18 – 64	No (0%)	No (0%)	0.0%	0.00000
	General medical and surgical hospital setting – Medical Care Practitioners	No (0%)	No (0%)	0.0%	0.00000
	General medical and surgical hospital setting – Medical Care Technicians and Aides	No (0%)	No (0%)	0.0%	0.00000
	General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	No (0%)	No (0%)	0.0%	0.00000
	General medical and surgical hospital setting – Mental Health and Social Service Providers	No (0%)	No (0%)	0.0%	0.00000
	General medical and surgical hospital setting – Health Care System Support and General Support	No (0%)	No (0%)	0.0%	0.00000
	Psychiatric and substance abuse hospitals – Medical Care Practitioners	No (0%)	No (0%)	0.0%	0.00000
	Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	No (0%)	No (0%)	0.0%	0.00000
	Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	No (0%)	No (0%)	0.0%	0.00000
	Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	No (0%)	No (0%)	0.0%	0.00000
	Psychiatric and substance abuse hospitals – Health Care System Support and General Support	No (0%)	No (0%)	0.0%	0.00000
	Ambulatory Care Facilities setting – Medical Care Practitioners	No (0%)	No (0%)	0.0%	0.00000

TABLE 2: Risk of Complication Data

Rank	Target Groups	Determinants		Strength of Criterion Match	Total Criterion Points
		High Risk of Hospitalization	High Risk of Death		
Max. Value of Questions and Criterion		50%	50%	100%	6.63636
	Ambulatory Care Facilities setting – Medical Care Technicians and Aides	No (0%)	No (0%)	0.0%	0.00000
	Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	No (0%)	No (0%)	0.0%	0.00000
	Ambulatory Care Facilities setting – Mental Health and Social Service Providers	No (0%)	No (0%)	0.0%	0.00000
	Ambulatory Care Facilities setting – Health Care System Support and General Support	No (0%)	No (0%)	0.0%	0.00000
	Nursing and Residential Care Facilities setting – Medical Care Practitioners	No (0%)	No (0%)	0.0%	0.00000
	Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	No (0%)	No (0%)	0.0%	0.00000
	Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	No (0%)	No (0%)	0.0%	0.00000
	Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	No (0%)	No (0%)	0.0%	0.00000
	Nursing and Residential Care Facilities setting – Health Care System Support and General Support	No (0%)	No (0%)	0.0%	0.00000
	Public Health Department – Pre-event Public Health Emergency Responders	No (0%)	No (0%)	0.0%	0.00000
	Public Health Department – Event Oriented Public Health Emergency Responders	No (0%)	No (0%)	0.0%	0.00000
	Public Health Department – Non-emergency Public Health Professionals	No (0%)	No (0%)	0.0%	0.00000
	Commercial Health Industry – Medical and Diagnostic Laboratories	No (0%)	No (0%)	0.0%	0.00000
	Commercial Health Industry – Medical and Pharmaceutical Manufacturing	No (0%)	No (0%)	0.0%	0.00000
	Commercial Health Industry – Pharmacies	No (0%)	No (0%)	0.0%	0.00000
	Commercial Health Industry – Other Health and Personal Care Stores	No (0%)	No (0%)	0.0%	0.00000
	Commercial Health Industry – Death Care Services	No (0%)	No (0%)	0.0%	0.00000
	Public Administration – Executive Offices	No (0%)	No (0%)	0.0%	0.00000
	Public Administration – Legislative Bodies and Offices	No (0%)	No (0%)	0.0%	0.00000
	Public Administration – Tribal Governments	No (0%)	No (0%)	0.0%	0.00000
	Public Administration – Public Finance Services	No (0%)	No (0%)	0.0%	0.00000
	Public Safety and Justice – Judicial and Legal Services	No (0%)	No (0%)	0.0%	0.00000
	Public Safety and Justice – Police Protection/Law Enforcement	No (0%)	No (0%)	0.0%	0.00000
	Public Safety and Justice – Fire Protection/EMT	No (0%)	No (0%)	0.0%	0.00000

TABLE 2: Risk of Complication Data

Rank	Target Groups	Determinants		Strength of Criterion Match	Total Criterion Points
		High Risk of Hospitalization	High Risk of Death		
Max. Value of Questions and Criterion		50%	50%	100%	6.63636
	Public Safety and Justice – Corrections	No (0%)	No (0%)	0.0%	0.00000
	Public Safety and Justice – Emergency and Disaster Management	No (0%)	No (0%)	0.0%	0.00000
	Agriculture Industry	No (0%)	No (0%)	0.0%	0.00000
	Information Industry	No (0%)	No (0%)	0.0%	0.00000
	Educational Services Industry	No (0%)	No (0%)	0.0%	0.00000
	Financial and Insurance Services Industry	No (0%)	No (0%)	0.0%	0.00000
	Community Services – Religious Organizations	No (0%)	No (0%)	0.0%	0.00000
	Community Services – Emergency Relief Organizations	No (0%)	No (0%)	0.0%	0.00000
	Community Services – Non-emergency Social Assistance Services	No (0%)	No (0%)	0.0%	0.00000
	Transportation and Warehousing – Postal Services	No (0%)	No (0%)	0.0%	0.00000
	Transportation and Warehousing – Air Rail Water Pipeline and Truck Transportation & Support Activities	No (0%)	No (0%)	0.0%	0.00000
	Transportation and Warehousing – Transit and Ground Passenger Transport	No (0%)	No (0%)	0.0%	0.00000
	Transportation and Warehousing – Couriers and Messengers	No (0%)	No (0%)	0.0%	0.00000
	Transportation and Warehousing – Warehousing and Storage	No (0%)	No (0%)	0.0%	0.00000
	Manufacturing – Food Manufacturing	No (0%)	No (0%)	0.0%	0.00000
	Retail Trade – Food Beverage and Grocery Stores	No (0%)	No (0%)	0.0%	0.00000
	Retail Trade – Gasoline Stations	No (0%)	No (0%)	0.0%	0.00000
	Utility Industries	No (0%)	No (0%)	0.0%	0.00000
	Waste Management and Remediation Services	No (0%)	No (0%)	0.0%	0.00000
	Healthy Children, Ages 6 -17	No (0%)	No (0%)	0.0%	0.00000
	Healthy Adults, Ages 18 - 64	No (0%)	No (0%)	0.0%	0.00000

Risk of Transmission

The “risk of transmission” criterion is divided into two direct determinants: duration of infectiousness and contact with susceptible individuals. Current interpandemic research was summarized and included in the survey instrument. Respondents were asked to assess whether the research evidence presented on the survey was “accurate” and “up-to-date.” Eighty-three percent of survey respondents agreed that the research evidence is acceptable for use in the DAST model. The assessment of the duration of

infectiousness was conducted by CIDP researchers based on this research. Since the assessment of match was based on research evidence, the DAST survey did not assess the degree of uncertainty around the “strength of the match.” As discussed above, there is uncertainty around the accuracy of these judgments since interpandemic (rather than pandemic) research evidence was used as the basis for analysis.

The assessment of whether target groups have close contact with susceptible individuals was conducted by survey respondents. Their feedback determined the strength of match between target groups and this direct determinant. Respondents expressed uncertainty regarding how well some target groups fulfilled this direct determinant. On average, 16 percent of the sample was unsure whether the target groups had close contact with susceptible populations (range is 0 to 55 percent). Respondents had most difficulty in determining whether the following groups had close contact with susceptible individuals: all healthy populations (uncertainty of 55 percent), people with chronic medical conditions (uncertainty between 27 and 45 percent), medical scientists and laboratory technicians (uncertainty between 18 and 36 percent), and professionals working within psychiatric and substance abuse hospitals (uncertainty between 18 and 36 percent).

Table 3 below shows how well the target groups fulfill each of the direct determinants within this criterion. It also shows the “strength of match” for the criterion. The groups that have the highest risk of transmission (match rate above 70 percent) have both a high rate of infectiousness and close contact with susceptible individuals. This group is comprised of infants and toddlers, pregnant women, and both young and old individuals with chronic medical conditions. Groups with a moderate risk of transmission match rates between 30 and 70 percent) generally have a normal level of infectiousness but prolonged contact with susceptible individuals. This group includes medical care and emergency response professionals, household contacts of susceptible individuals, and other professionals in jobs that require significant human contact. The groups at the lowest risk for infection (match rate between 0 and 29 percent) are healthy children and adults as well as professionals in roles, which do not generally require significant human contact.

Rank	Target Group	Determinants		Strength of Criterion Match	Criterion Score
		Infectiousness	Contact with Susceptible Populations		
	Max. Value of Questions and Criterion	33.3%	66.7%	100%	7.90909
1	Infants and Toddlers, Ages 6-23 months	Yes (33.3%)	Partial (58.3%)	91.7%	7.25000
2	Pregnant Women, All Ages	Yes (33.3%)	Partial (50%)	83.3%	6.59091
3	People with Chronic Medical Conditions, Ages 2 – 17	Yes (33.3%)	Partial (41.7%)	75.0%	5.93182
4	People with Chronic Medical Conditions, Ages 65+	Yes (33.3%)	Partial (38.1%)	71.4%	5.64935
5	Public Safety and Justice – Fire Protection/EMT	No (0%)	Yes (66.7%)	66.7%	5.27273

TABLE 3: Risk of Transmission Data

Rank	Target Group	Determinants		Strength of Criterion Match	Criterion Score
		Infectiousness	Contact with Susceptible Populations		
	Psychiatric and substance abuse hospitals – Medical Care Practitioners	No (0%)	Yes (66.7%)	66.7%	5.27273
	People with Chronic Medical Conditions, Ages 18 – 64	Yes (33.3%)	Yes (33.3%)	66.7%	5.27273
	Nursing and Residential Care Facilities setting – Medical Care Practitioners	No (0%)	Yes (66.7%)	66.7%	5.27273
	General medical and surgical hospital setting – Medical Care Practitioners	No (0%)	Yes (66.7%)	66.7%	5.27273
	Ambulatory Care Facilities setting – Medical Care Practitioners	No (0%)	Yes (66.7%)	66.7%	5.27273
6	Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	No (0%)	Partial (60.6%)	60.6%	4.79339
	Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	No (0%)	Partial (60.6%)	60.6%	4.79339
	Household contacts of severely immunocompromised persons, Ages 65+	No (0%)	Partial (60.6%)	60.6%	4.79339
	Household contacts of severely immunocompromised persons, Ages 2 – 17	No (0%)	Partial (60.6%)	60.6%	4.79339
	Household contacts of severely immunocompromised persons, Ages 18 – 64	No (0%)	Partial (60.6%)	60.6%	4.79339
	General medical and surgical hospital setting – Medical Care Technicians and Aides	No (0%)	Partial (60.6%)	60.6%	4.79339
	Ambulatory Care Facilities setting – Medical Care Technicians and Aides	No (0%)	Partial (60.6%)	60.6%	4.79339
7	Public Safety and Justice – Police Protection/Law Enforcement	No (0%)	Partial (60%)	60.0%	4.74545
	Healthy Children, Ages 2 - 5	Yes (33.3%)	Partial (26.7%)	60.0%	4.74545
	Community Services – Emergency Relief Organizations	No (0%)	Partial (60%)	60.0%	4.74545
8	Ambulatory Care Facilities setting – Mental Health and Social Service Providers	No (0%)	Partial (59.3%)	59.3%	4.68687
9	Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	No (0%)	Partial (58.3%)	58.3%	4.61364
10	Household contacts of children <6 months, Ages 65+	No (0%)	Partial (53.3%)	53.3%	4.21818
	General medical and surgical hospital setting – Mental Health and Social Service Providers	No (0%)	Partial (53.3%)	53.3%	4.21818
11	Public Safety and Justice – Corrections	No (0%)	Partial (51.9%)	51.9%	4.10101
	Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	No (0%)	Partial (51.9%)	51.9%	4.10101
12	Public Health Department – Event Oriented Public Health Emergency Responders	No (0%)	Partial (46.7%)	46.7%	3.69091
	Household contacts of children <6 months, Ages 2 – 17	No (0%)	Partial (46.7%)	46.7%	3.69091
	Household contacts of children <6 months, Ages 18 – 64	No (0%)	Partial (46.7%)	46.7%	3.69091

TABLE 3: Risk of Transmission Data

Rank	Target Group	Determinants		Strength of Criterion Match	Criterion Score
		Infectiousness	Contact with Susceptible Populations		
13	Community Services – Non-emergency Social Assistance Services	No (0%)	Partial (44.4%)	44.4%	3.51515
14	Retail Trade – Food Beverage and Grocery Stores	No (0%)	Partial (40%)	40.0%	3.16364
	Public Safety and Justice – Emergency and Disaster Management	No (0%)	Partial (40%)	40.0%	3.16364
	Public Health Department – Pre-event Public Health Emergency Responders	No (0%)	Partial (40%)	40.0%	3.16364
	Commercial Health Industry – Pharmacies	No (0%)	Partial (40%)	40.0%	3.16364
	Commercial Health Industry – Death Care Services	No (0%)	Partial (40%)	40.0%	3.16364
15	Community Services – Religious Organizations	No (0%)	Partial (37%)	37.0%	2.92929
16	Transportation and Warehousing – Transit and Ground Passenger Transport	No (0%)	Partial (33.3%)	33.3%	2.63636
17	General medical and surgical hospital setting – Health Care System Support and General Support	No (0%)	Partial (29.6%)	29.6%	2.34343
18	Healthy Children, Ages 6 -17	No (0%)	Partial (26.7%)	26.7%	2.10909
19	Public Health Department – Non-emergency Public Health Professionals	No (0%)	Partial (22.2%)	22.2%	1.75758
	Nursing and Residential Care Facilities setting – Health Care System Support and General Support	No (0%)	Partial (22.2%)	22.2%	1.75758
	Educational Services Industry	No (0%)	Partial (22.2%)	22.2%	1.75758
	Commercial Health Industry – Other Health and Personal Care Stores	No (0%)	Partial (22.2%)	22.2%	1.75758
20	Retail Trade – Gasoline Stations	No (0%)	Partial (20%)	20.0%	1.58182
21	Psychiatric and substance abuse hospitals – Health Care System Support and General Support	No (0%)	Partial (19%)	19.0%	1.50649
22	General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	No (0%)	Partial (16.7%)	16.7%	1.31818
	Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	No (0%)	Partial (16.7%)	16.7%	1.31818
	Ambulatory Care Facilities setting – Health Care System Support and General Support	No (0%)	Partial (16.7%)	16.7%	1.31818
23	Public Safety and Justice – Judicial and Legal Services	No (0%)	Partial (13.3%)	13.3%	1.05455
24	Transportation and Warehousing – Couriers and Messengers	No (0%)	Partial (7.4%)	7.4%	0.58586
	Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	No (0%)	Partial (7.4%)	7.4%	0.58586
25	Transportation and Warehousing – Postal Services	No (0%)	Partial (6.7%)	6.7%	0.52727
	Transportation and Warehousing – Air Rail Water Pipeline and Truck Transportation & Support Activities	No (0%)	Partial (6.7%)	6.7%	0.52727

TABLE 3: Risk of Transmission Data

Rank	Target Group	Determinants		Strength of Criterion Match	Criterion Score
		Infectiousness	Contact with Susceptible Populations		
	Public Administration – Tribal Governments	No (0%)	Partial (6.7%)	6.7%	0.52727
	Public Administration – Public Finance Services	No (0%)	Partial (6.7%)	6.7%	0.52727
	Public Administration – Legislative Bodies and Offices	No (0%)	Partial (6.7%)	6.7%	0.52727
26	Waste Management and Remediation Services	No (0%)	No (0%)	0.0%	0.00000
	Utility Industries	No (0%)	No (0%)	0.0%	0.00000
	Transportation and Warehousing – Warehousing and Storage	No (0%)	No (0%)	0.0%	0.00000
	Public Administration – Executive Offices	No (0%)	No (0%)	0.0%	0.00000
	Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	No (0%)	No (0%)	0.0%	0.00000
	Manufacturing – Food Manufacturing	No (0%)	No (0%)	0.0%	0.00000
	Information Industry	No (0%)	No (0%)	0.0%	0.00000
	Healthy Adults, Ages 65+	No (0%)	No (0%)	0.0%	0.00000
	Healthy Adults, Ages 18 - 64	No (0%)	No (0%)	0.0%	0.00000
	Financial and Insurance Services Industry	No (0%)	No (0%)	0.0%	0.00000
	Commercial Health Industry – Medical and Pharmaceutical Manufacturing	No (0%)	No (0%)	0.0%	0.00000
	Commercial Health Industry – Medical and Diagnostic Laboratories	No (0%)	No (0%)	0.0%	0.00000
	Agriculture Industry	No (0%)	No (0%)	0.0%	0.00000

Risk of Infection

The “risk of infection” criterion is comprised of one direct determinant: contact with potentially infectious individuals. Survey respondents assessed whether target groups have contact with susceptible individuals; however, they expressed some uncertainty regarding how well some target groups fulfilled the “contact with potentially infectious persons” direct determinant. On average, 18 percent of respondents were unsure how to rate the target groups (range is 0 to 45 percent). Respondents had the hardest time determining whether the following groups have prolonged or close with susceptible individuals: healthy populations (uncertainty between 36 and 45 percent), people with chronic medical conditions (uncertainty of 45 percent), household contacts (uncertainty between 27 and 36 percent), pregnant women (uncertainty of 45 percent), and children under the age of five (uncertainty between 40 and 45 percent).

Table 4 below shows how well the target groups fulfill each of the direct determinants within this criterion. It also shows the “strength of match” for the criterion. The target groups at highest risk for infection (match rate of over 70 percent) are generally medical care professionals and emergency responders who will most likely have close contact with infectious individuals. The target groups who are at moderate risk of infection (match rate between 30 and 69 percent) are generally individuals in professional roles that come in contact with many people, though the risk that these individuals are infectious is not as great. Children also fall into this category. The groups at the lowest risk for infection (match rate between 0 and 29 percent) are generally in professional roles, which do not require close human contact.

TABLE 4: Risk of Infection Data				
Rank	Target Group	Determinant	Strength of Criterion Match	Criterion Score
		Contact with Potentially Infective Persons		
	Max. Value of Questions and Criterion	100.0%	100.0%	5.90909
1	General medical and surgical hospital setting – Medical Care Practitioners	Yes (100%)	100.0%	5.90909
	Ambulatory Care Facilities setting – Medical Care Practitioners	Yes (100%)	100.0%	5.90909
	Ambulatory Care Facilities setting – Medical Care Technicians and Aides	Yes (100%)	100.0%	5.90909
	Nursing and Residential Care Facilities setting – Medical Care Practitioners	Yes (100%)	100.0%	5.90909
	Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	Yes (100%)	100.0%	5.90909
	Public Safety and Justice – Police Protection/Law Enforcement	Yes (100%)	100.0%	5.90909
	Public Safety and Justice – Fire Protection/EMT	Yes (100%)	100.0%	5.90909
2	General medical and surgical hospital setting – Medical Care Technicians and Aides	Partial (90.0%)	90.9%	5.37190
	General medical and surgical hospital setting – Mental Health and Social Service Providers	Partial (90.0%)	90.9%	5.37190
3	Psychiatric and substance abuse hospitals – Medical Care Practitioners	Partial (90.0%)	90.0%	5.31818
	Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	Partial (90.0%)	90.0%	5.31818
4	Public Safety and Justice – Corrections	Partial (88.9%)	88.9%	5.25253
5	Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	Partial (77.8%)	77.8%	4.59596
	Commercial Health Industry – Pharmacies	Partial (77.8%)	77.8%	4.59596
6	Public Health Department – Event Oriented Public Health Emergency Responders	Partial (72.7%)	72.7%	4.29752
7	Healthy Children, Ages 6 -17	Partial (71.4%)	71.4%	4.22078
8	Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	Partial (70%)	70.0%	4.13636

TABLE 4: Risk of Infection Data

Rank	Target Group	Determinant	Strength of Criterion Match	Criterion Score
		Contact with Potentially Infective Persons		
	Max. Value of Questions and Criterion	100.0%	100.0%	5.90909
	Ambulatory Care Facilities setting – Mental Health and Social Service Providers	Partial (70%)	70.0%	4.13636
9	Public Health Department – Pre-event Public Health Emergency Responders	Partial (66.7%)	66.7%	3.93939
	Commercial Health Industry – Death Care Services	Partial (66.7%)	66.7%	3.93939
	Healthy Children, Ages 2 - 5	Partial (66.7%)	66.7%	3.93939
10	Community Services – Non-emergency Social Assistance Services	Partial (60%)	60.0%	3.54545
11	Community Services – Emergency Relief Organizations	Partial (54.5%)	54.5%	3.22314
12	Nursing and Residential Care Facilities setting – Health Care System Support and General Support	Partial (50%)	50.0%	2.95455
	Educational Services Industry	Partial (50%)	50.0%	2.95455
	Community Services – Religious Organizations	Partial (50%)	50.0%	2.95455
13	General medical and surgical hospital setting – Health Care System Support and General Support	Partial (44.4%)	44.4%	2.62626
	Ambulatory Care Facilities setting – Health Care System Support and General Support	Partial (44.4%)	44.4%	2.62626
14	Household contacts of severely immunocompromised persons, Ages 2 – 17	Partial (42.9%)	42.9%	2.53247
15	Public Health Department – Non-emergency Public Health Professionals	Partial (40%)	40.0%	2.36364
	Transportation and Warehousing – Transit and Ground Passenger Transport	Partial (40%)	40.0%	2.36364
	Retail Trade – Food Beverage and Grocery Stores	Partial (40%)	40.0%	2.36364
16	Household contacts of children <6 months, Ages 2 – 17	Partial (37.5%)	37.5%	2.21591
	Household contacts of severely immunocompromised persons, Ages 65+	Partial (37.5%)	37.5%	2.21591
	Psychiatric and substance abuse hospitals – Health Care System Support and General Support	Partial (37.5%)	37.5%	2.21591
	Commercial Health Industry – Other Health and Personal Care Stores	Partial (37.5%)	37.5%	2.21591
	Public Safety and Justice – Emergency and Disaster Management	Partial (37.5%)	37.5%	2.21591
17	People with Chronic Medical Conditions, Ages 2 – 17	Partial (33.3%)	33.3%	1.96970
18	People with Chronic Medical Conditions, Ages 18 – 64	Partial (33.3%)	33.3%	1.96970
	Pregnant Women, All Ages	Partial (33.3%)	33.3%	1.96970
	Infants and Toddlers, Ages 6-23 months	Partial (33.3%)	33.3%	1.96970

TABLE 4: Risk of Infection Data

Rank	Target Group	Determinant	Strength of Criterion Match	Criterion Score
		Contact with Potentially Infective Persons		
	Max. Value of Questions and Criterion	100.0%	100.0%	5.90909
	Healthy Adults, Ages 18 - 64	Partial (33.3%)	33.3%	1.96970
19	General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	Partial (30%)	30.0%	1.77273
20	Household contacts of children <6 months, Ages 18 – 64	Partial (28.6%)	28.6%	1.68831
	Household contacts of severely immunocompromised persons, Ages 18 – 64	Partial (28.6%)	28.6%	1.68831
21	Household contacts of children <6 months, Ages 65+	Partial (25%)	25.0%	1.47727
22	Public Safety and Justice – Judicial and Legal Services	Partial (22.2%)	22.2%	1.31313
23	Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	Partial (20%)	20.0%	1.18182
24	People with Chronic Medical Conditions, Ages 65+	Partial (16.7%)	16.7%	0.98485
	Healthy Adults, Ages 65+	Partial (16.7%)	16.7%	0.98485
25	Transportation and Warehousing – Couriers and Messengers	Partial (12.5%)	12.5%	0.73864
26	Transportation and Warehousing – Postal Services	Partial (11.1%)	11.1%	0.65657
	Retail Trade – Gasoline Stations	Partial (11.1%)	11.1%	0.65657
27	Transportation and Warehousing – Air Rail Water Pipeline and Truck Transportation & Support Activities	Partial (10%)	10.0%	0.59091
28	Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	No (0%)	0.0%	0.00000
	Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	No (0%)	0.0%	0.00000
	Commercial Health Industry – Medical and Diagnostic Laboratories	No (0%)	0.0%	0.00000
	Commercial Health Industry – Medical and Pharmaceutical Manufacturing	No (0%)	0.0%	0.00000
	Public Administration – Executive Offices	No (0%)	0.0%	0.00000
	Public Administration – Legislative Bodies and Offices	No (0%)	0.0%	0.00000
	Public Administration – Tribal Governments	No (0%)	0.0%	0.00000
	Public Administration – Public Finance Services	No (0%)	0.0%	0.00000
	Agriculture Industry	No (0%)	0.0%	0.00000
	Information Industry	No (0%)	0.0%	0.00000

TABLE 4: Risk of Infection Data				
Rank	Target Group	Determinant	Strength of Criterion Match	Criterion Score
		Contact with Potentially Infective Persons		
	Max. Value of Questions and Criterion	100.0%	100.0%	5.90909
	Financial and Insurance Services Industry	No (0%)	0.0%	0.00000
	Transportation and Warehousing – Warehousing and Storage	No (0%)	0.0%	0.00000
	Manufacturing – Food Manufacturing	No (0%)	0.0%	0.00000
	Utility Industries	No (0%)	0.0%	0.00000
	Waste Management and Remediation Services	No (0%)	0.0%	0.00000

Vaccine Effectiveness

The “vaccine effectiveness” criterion is comprised of one direct determinant: vaccine effectiveness. Current interpandemic research was summarized and included in the survey instrument. Respondents were asked to assess whether the research evidence presented on the survey was “accurate” and “up-to-date.” One hundred percent of survey respondents agreed that the research evidence is acceptable for use in the DAST model. The assessment of vaccine effectiveness was conducted by CIDP researchers based on this research. The DAST survey did not assess the degree of uncertainty around the strength of the match. As discussed above, there is uncertainty around the accuracy of these judgments since interpandemic (rather than pandemic) research evidence was used as the basis for analysis.

Table 5 below shows how well the target groups fulfill each of the direct determinants within this criterion. It also shows the “strength of match” for the criterion. The target groups with a high level of vaccine effectiveness (match rate of 100 percent) are all healthy individuals between the ages of 6 and 64. The target groups with a moderate level of vaccine effectiveness (match rate of 66.7 percent) are healthy children under the age of 5, healthy adults over the age of 65, and individuals with chronic medical conditions between the ages of 2 and 64. People with chronic medical conditions over the age of 65 is the only target group that has a low level of vaccine effectiveness (match rate of 33.3 percent).

TABLE 5: Vaccine Effectiveness Data						
Rank	Target Group	Determinants			Strength of Criterion Match	Criterion Score
		Low Effectiveness Determinant	Medium Effectiveness Determinant	High Effectiveness Determinant		
	Max. Value of Questions and Criterion	33.3%	33.3%	33.3%	100%	6.27273

TABLE 5: Vaccine Effectiveness Data

Rank	Target Group	Determinants			Strength of Criterion Match	Criterion Score
		Low Effectiveness Determinant	Medium Effectiveness Determinant	High Effectiveness Determinant		
	Max. Value of Questions and Criterion	33.3%	33.3%	33.3%	100%	6.27273
1	Pregnant Women, All Ages	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Household contacts of children <6 months, Ages 2 – 17	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Household contacts of children <6 months, Ages 18 – 64	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Household contacts of severely immunocompromised persons, Ages 2 – 17	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Household contacts of severely immunocompromised persons, Ages 18 – 64	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	General medical and surgical hospital setting – Medical Care Practitioners	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	General medical and surgical hospital setting – Medical Care Technicians and Aides	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	General medical and surgical hospital setting – Mental Health and Social Service Providers	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	General medical and surgical hospital setting – Health Care System Support and General Support	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Psychiatric and substance abuse hospitals – Medical Care Practitioners	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Psychiatric and substance abuse hospitals – Health Care System Support and General Support	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Ambulatory Care Facilities setting – Medical Care Practitioners	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
Ambulatory Care Facilities setting – Medical Care Technicians and Aides	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273	
Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273	
Ambulatory Care Facilities setting – Mental Health and Social Service Providers	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273	

TABLE 5: Vaccine Effectiveness Data

Rank	Target Group	Determinants			Strength of Criterion Match	Criterion Score
		Low Effectiveness Determinant	Medium Effectiveness Determinant	High Effectiveness Determinant		
	Max. Value of Questions and Criterion	33.3%	33.3%	33.3%	100%	6.27273
	Ambulatory Care Facilities setting – Health Care System Support and General Support	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Nursing and Residential Care Facilities setting – Medical Care Practitioners	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Nursing and Residential Care Facilities setting – Health Care System Support and General Support	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Health Department – Pre-event Public Health Emergency Responders	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Health Department – Event Oriented Public Health Emergency Responders	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Health Department – Non-emergency Public Health Professionals	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Commercial Health Industry – Medical and Diagnostic Laboratories	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Commercial Health Industry – Medical and Pharmaceutical Manufacturing	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Commercial Health Industry – Pharmacies	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Commercial Health Industry – Other Health and Personal Care Stores	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Commercial Health Industry – Death Care Services	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Administration – Executive Offices	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Administration – Legislative Bodies and Offices	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Administration – Tribal Governments	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Administration – Public Finance Services	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Safety and Justice – Judicial and Legal Services	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273

TABLE 5: Vaccine Effectiveness Data

Rank	Target Group	Determinants			Strength of Criterion Match	Criterion Score
		Low Effectiveness Determinant	Medium Effectiveness Determinant	High Effectiveness Determinant		
	Max. Value of Questions and Criterion	33.3%	33.3%	33.3%	100%	6.27273
	Public Safety and Justice – Police Protection/Law Enforcement	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Safety and Justice – Fire Protection/EMT	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Safety and Justice – Corrections	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Public Safety and Justice – Emergency and Disaster Management	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Agriculture Industry	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Information Industry	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Educational Services Industry	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Financial and Insurance Services Industry	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Community Services – Religious Organizations	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Community Services – Emergency Relief Organizations	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Community Services – Non-emergency Social Assistance Services	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Transportation and Warehousing – Postal Services	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Transportation and Warehousing – Air Rail Water Pipeline and Truck Transportation & Support Activities	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Transportation and Warehousing – Transit and Ground Passenger Transport	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Transportation and Warehousing – Couriers and Messengers	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Transportation and Warehousing – Warehousing and Storage	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Manufacturing – Food Manufacturing	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Retail Trade – Food Beverage and Grocery Stores	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Retail Trade – Gasoline Stations	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Utility Industries	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Waste Management and Remediation Services	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273

TABLE 5: Vaccine Effectiveness Data

Rank	Target Group	Determinants			Strength of Criterion Match	Criterion Score
		Low Effectiveness Determinant	Medium Effectiveness Determinant	High Effectiveness Determinant		
	Max. Value of Questions and Criterion	33.3%	33.3%	33.3%	100%	6.27273
	Healthy Children, Ages 6 -17	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
	Healthy Adults, Ages 18 - 64	Yes (33.3%)	Yes (33.3%)	Yes (33.3%)	100.0%	6.27273
2	People with Chronic Medical Conditions, Ages 2 – 17	Yes (33.3%)	Yes (33.3%)	No (0%)	66.7%	4.18182
	People with Chronic Medical Conditions, Ages 18 – 64	Yes (33.3%)	Yes (33.3%)	No (0%)	66.7%	4.18182
	Infants and Toddlers, Ages 6-23 months	Yes (33.3%)	Yes (33.3%)	No (0%)	66.7%	4.18182
	Household contacts of children <6 months, Ages 65+	Yes (33.3%)	Yes (33.3%)	No (0%)	66.7%	4.18182
	Household contacts of severely immunocompromised persons, Ages 65+	Yes (33.3%)	Yes (33.3%)	No (0%)	66.7%	4.18182
	Healthy Children, Ages 2 - 5	Yes (33.3%)	Yes (33.3%)	No (0%)	66.7%	4.18182
	Healthy Adults, Ages 65+	Yes (33.3%)	Yes (33.3%)	No (0%)	66.7%	4.18182
3	People with Chronic Medical Conditions, Ages 65+	Yes (33.3%)	No (0%)	No (0%)	33.3%	2.09091

Provide Direct Emergency Response Service

The “direct emergency response service” criterion is comprised of four direct determinants:

- 1) direct role in vaccine response; 2) directly provides patient care; 3) directly provides public health or emergency response; and 4) performs a role which requires advanced training and is difficult to replace.

Survey respondents assessed whether target groups provided a direct emergency response service, though target groups only received points for being an “expert” if they fulfilled at least one of the other three determinants. Respondents expressed a minimal amount of uncertainty regarding how well some target groups fulfilled the “direct emergency response service” and “support emergency response service” direct determinants. On average, 4.5 percent of respondents were unsure how to rate the target groups (range is 0 to 27 percent). Respondents had difficulty determining whether the following groups provide direct emergency response service: medical care practitioners in psychiatric and substance abuse hospitals (uncertainty between 9 and 20 percent) and professionals working in health and personal care stores (uncertainty between 18 and 27 percent).

Table 6 below shows how well the target groups fulfill each of the direct determinants within this criterion. It also shows the “strength of match” for the criterion. The target groups with the highest match rates (over 70 percent) are generally medical care professionals and public health emergency responders. The target groups who had moderate match rates (between 30 and 69 percent) are the remaining emergency responders, medical technicians, and other professions who are critical to the emergency response. The groups with lower match rates (match rate between 0 and 29 percent) are generally in professional roles that are not critical to the emergency response. All non-“role” based target groups also fell into this category.

TABLE 6: Direct Emergency Support Service Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Role in Vaccine Response	Provides Patient Care	Public Health/ ER Response	Expert		
	Max. Value of Questions and Criterion	20%	20%	20%	40%	100%	8.8181818
1	Ambulatory Care Facilities setting – Medical Care Practitioners	Yes (20.0%)	Yes (20.0%)	Partial (16.0%)	Yes (40.0%)	96.0%	8.4654545
2	General medical and surgical hospital setting – Medical Care Practitioners	Yes (20.0%)	Yes (20.0%)	Yes (14.5%)	Yes (40.0%)	94.5%	8.3371901
3	Nursing and Residential Care Facilities setting – Medical Care Practitioners	Yes (20.0%)	Yes (20.0%)	Yes (11.5%)	Yes (40.0%)	91.1%	8.0343434
4	Public Health Department – Event Oriented Public Health Emergency Responders	Partial (15.6%)	Partial (10.0%)	Yes (20.0%)	Yes (36.4%)	81.9%	7.2237833
5	Psychiatric and substance abuse hospitals – Medical Care Practitioners	Partial (12.5%)	Partial (17.8%)	Yes (10.0%)	Yes (40.0%)	80.3%	7.0790404
6	General medical and surgical hospital setting – Medical Care Technicians and Aides	Partial (12.7%)	Partial (18.2%)	Yes (10.9%)	Yes (35.6%)	77.4%	6.8229568
7	Ambulatory Care Facilities setting – Medical Care Technicians and Aides	Partial (12.7%)	Partial (18.2%)	Yes (10.0%)	Yes (35.6%)	76.5%	6.7427916
8	Commercial Health Industry – Pharmacies	Partial (16.4%)	Partial (10.0%)	Yes (6.0%)	Yes (40.0%)	72.4%	6.381157
9	Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	Partial (14.5%)	Partial (18.2%)	Yes (6.7%)	Yes (31.1%)	70.5%	6.2172635
10	Public Health Department – Pre-event Public Health Emergency Responders	Partial (10.0%)	Partial (7.3%)	Yes (16.4%)	Yes (36.4%)	70.0%	6.1727273
11	Public Safety and Justice – Fire Protection/EMT	Partial (4.0%)	Yes (14.5%)	Yes (14.5%)	Yes (36.4%)	69.5%	6.1246281
12	Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	Partial (6.0%)	Yes (15.6%)	Partial (4.0%)	Yes (35.0%)	60.6%	5.339899
13	Ambulatory Care Facilities setting – Mental Health and Social Service Providers	No (0.0%)	Partial (7.3%)	Yes (10.9%)	Yes (40.0%)	58.2%	5.1305785
14	Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	No (0.0%)	Yes (10.9%)	Yes (8.9%)	Yes (36.0%)	55.8%	4.9203673
15	Public Safety and Justice – Police Protection/Law Enforcement	Partial (2.0%)	Yes (5.5%)	Partial (9.1%)	Yes (36.4%)	52.9%	4.6656198
16	General medical and surgical hospital setting – Mental Health and Social Service Providers	No (0.0%)	Partial (9.1%)	Partial (7.3%)	Yes (36.4%)	52.7%	4.6495868
17	Commercial Health Industry – Medical and	Yes	Partial	Partial	Yes	51.5%	4.5391368

TABLE 6: Direct Emergency Support Service Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Role in Vaccine Response	Provides Patient Care	Public Health/ ER Response	Expert		
	Max. Value of Questions and Criterion	20%	20%	20%	40%	100%	8.8181818
	Pharmaceutical Manufacturing	(14.5%)	(1.8%)	(4.0%)	(31.1%)		
18	Public Health Department – Non-emergency Public Health Professionals	Partial (3.6%)	Partial (3.6%)	Partial (7.3%)	Yes (36.4%)	50.9%	4.4892562
19	Commercial Health Industry – Medical and Diagnostic Laboratories	Partial (4.4%)	Partial (3.6%)	Partial (2.0%)	Yes (40.0%)	50.1%	4.4162167
20	Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	No (0.0%)	Partial (8.0%)	Partial (5.5%)	Yes (36.4%)	49.8%	4.3930579
21	Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	Partial (2.0%)	Partial (5.5%)	Partial (1.8%)	Yes (40.0%)	49.3%	4.3449587
22	Public Safety and Justice – Emergency and Disaster Management	Partial (2.0%)	Partial (1.8%)	Partial (9.1%)	Yes (36.0%)	48.9%	4.3128926
23	General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	Partial (2.0%)	Partial (3.6%)	Partial (2.0%)	Yes (40.0%)	47.6%	4.2006612
24	Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	Partial (2.0%)	Partial (3.6%)	No (0.0%)	Yes (40.0%)	45.6%	4.0242975
25	Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	No (0.0%)	Partial (2.2%)	No (0.0%)	Yes (40.0%)	42.2%	3.7232323
26	Commercial Health Industry – Death Care Services	No (0.0%)	Partial (5.5%)	Partial (7.3%)	Partial (25.5%)	38.2%	3.3669421
27	Public Safety and Justice – Corrections	Partial (2.0%)	Partial (2.0%)	Partial (4.0%)	Partial (26.7%)	34.7%	3.0569697
28	Public Administration – Executive Offices	No (0.0%)	No (0.0%)	Partial (1.8%)	Partial (32.7%)	34.5%	3.046281
29	Public Administration – Public Finance Services	No (0.0%)	No (0.0%)	Partial (1.8%)	Partial (32.0%)	33.8%	2.9821488
30	Community Services – Emergency Relief Organizations	Partial (3.6%)	Partial (3.6%)	Partial (7.3%)	Partial (12.0%)	26.5%	2.3408264
31	Public Administration – Tribal Governments	No (0.0%)	No (0.0%)	Partial (1.8%)	Partial (22.2%)	24.0%	2.1199265
32	Public Administration – Legislative Bodies and Offices	No (0.0%)	No (0.0%)	Partial (1.8%)	Partial (21.8%)	23.6%	2.0842975
33	Information Industry	No (0.0%)	No (0.0%)	Partial (2.0%)	Partial (16.0%)	18.0%	1.5872727
34	General medical and surgical hospital setting – Health Care System Support and General Support	No (0.0%)	Partial (1.8%)	Partial (1.8%)	Partial (13.3%)	17.0%	1.4964187
35	Ambulatory Care Facilities setting – Health Care System Support and General Support	No (0.0%)	Partial (3.6%)	Partial (1.8%)	Partial (8.9%)	14.3%	1.2648301
36	Utility Industries	No (0.0%)	No (0.0%)	Partial (1.8%)	Partial (10.9%)	12.7%	1.122314
37	Psychiatric and substance abuse hospitals – Health Care System Support and General Support	No (0.0%)	Partial (2.0%)	Partial (1.8%)	Partial (8.9%)	12.7%	1.1205326
38	Community Services – Non-emergency Social	Partial (3.6%)	Partial (3.6%)	Partial (1.8%)	No (0.0%)	9.1%	0.8016529

TABLE 6: Direct Emergency Support Service Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Role in Vaccine Response	Provides Patient Care	Public Health/ ER Response	Expert		
	Max. Value of Questions and Criterion	20%	20%	20%	40%	100%	8.8181818
	Assistance Services						
39	Nursing and Residential Care Facilities setting – Health Care System Support and General Support	No (0.0%)	Partial (1.8%)	Partial (2.2%)	Partial (4.4%)	8.5%	0.7482094
40	Transportation and Warehousing – Air Rail Water Pipeline and Truck Transportation & Support Activities	Partial (5.5%)	No (0.0%)	Partial (1.8%)	No (0.0%)	7.3%	0.6413223
41	Waste Management and Remediation Services	No (0.0%)	No (0.0%)	Partial (1.8%)	Partial (3.6%)	5.5%	0.4809917
42	Transportation and Warehousing – Postal Services	Partial (3.6%)	No (0.0%)	No (0.0%)	No (0.0%)	3.6%	0.3206612
43	Transportation and Warehousing – Transit and Ground Passenger Transport	Partial (3.6%)	No (0.0%)	No (0.0%)	No (0.0%)	3.6%	0.3206612
44	Transportation and Warehousing – Warehousing and Storage	Partial (2.0%)	No (0.0%)	No (0.0%)	No (0.0%)	2.0%	0.1763636
45	Transportation and Warehousing – Couriers and Messengers	Partial (1.8%)	No (0.0%)	No (0.0%)	No (0.0%)	1.8%	0.1603306
46	Retail Trade – Gasoline Stations	No (0.0%)	No (0.0%)	Partial (1.8%)	No (0.0%)	1.8%	0.1603306
47	People with Chronic Medical Conditions, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	People with Chronic Medical Conditions, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	People with Chronic Medical Conditions, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Pregnant Women, All Ages	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Infants and Toddlers, Ages 6-23 months	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Household contacts of children <6 months, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Household contacts of children <6 months, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Household contacts of children <6 months, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Household contacts of severely immunocompromised persons, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Household contacts of severely immunocompromised persons, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Household contacts of severely immunocompromised persons, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Commercial Health Industry – Other Health and Personal Care Stores	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0

TABLE 6: Direct Emergency Support Service Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Role in Vaccine Response	Provides Patient Care	Public Health/ ER Response	Expert		
	Max. Value of Questions and Criterion	20%	20%	20%	40%	100%	8.8181818
	Public Safety and Justice – Judicial and Legal Services	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Agriculture Industry	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Educational Services Industry	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Financial and Insurance Services Industry	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Community Services – Religious Organizations	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Manufacturing – Food Manufacturing	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Retail Trade – Food Beverage and Grocery Stores	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Healthy Children, Ages 2 - 5	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Healthy Children, Ages 6 -17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Healthy Adults, Ages 18 - 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
	Healthy Adults, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0

Provide Support Emergency Response Service

The “support emergency response service” criterion is comprised of four direct determinants:

- 1) supports vaccine response; 2) supports the provision of patient care; 3) supports the provision of public health or emergency response; and 4) performs a role which requires advanced training and is difficult to replace.

Survey respondents assessed whether target groups provided a support emergency response service, though target groups only received points for being an “expert” if they fulfilled at least one of the other three determinants. Providing “direct” and “support” services are mutually exclusive criteria; the survey was designed so respondents had to make a choice as to whether a target group performed a direct role, a support role or no role in the response.

Table 7 below shows how well the target groups fulfill each of the direct determinants within this criterion. It also shows the “strength of match” for the criterion. Very few target groups had high match rates (over 70 percent) on this criterion. Those that did have high

match rates include medical scientists and laboratory technicians and professionals who work in medical and diagnostic laboratories. The majority of target groups had moderate match rates (i.e., between 30 and 69 percent). These target groups are generally emergency medical responders and government professionals. The groups with lower match rates (match rate between 0 and 29 percent) are generally in non-health and non-governmental industries. All non-“role” based target groups also fell into this category.

The uncertainty around “provides support emergency response service” is discussed in the “provides direct emergency response service” section above.

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Role in Vaccine Response	Provides Patient Care	Public Health/ ER Response	Expert		
	Max. Value of Questions and Criterion	20%	20%	20%	40%	100%	7.090909
1	Commercial Health Industry – Medical and Diagnostic Laboratories	Partial (6.7%)	Partial (16.4%)	Partial (18.0%)	Yes (40.0%)	81.0%	5.7457851
2	General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	Partial (8.0%)	Partial (16.4%)	Partial (16.0%)	Yes (40.0%)	80.4%	5.6985124
3	Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	Partial (6.0%)	Partial (14.5%)	Partial (16.4%)	Yes (40.0%)	76.9%	5.4535537
4	Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	Partial (6.0%)	Partial (12.7%)	Partial (11.1%)	Yes (40.0%)	69.8%	4.9521763
5	Public Safety and Justice – Emergency and Disaster Management	Partial (10.0%)	Partial (16.4%)	Partial (7.3%)	Partial (36%)	69.6%	4.9378512
6	Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	Partial (4.0%)	Partial (15.6%)	Partial (9.1%)	Yes (40.0%)	68.6%	4.8676584
7	General medical and surgical hospital setting – Health Care System Support and General Support	Yes (20.0%)	Partial (16.4%)	Partial (18.2%)	Partial (13.3%)	67.9%	4.8132231
8	Public Health Department – Non-emergency Public Health Professionals	Partial (10.9%)	Partial (9.1%)	Partial (9.1%)	Partial (36.4%)	65.5%	4.6413223
9	General medical and surgical hospital setting – Mental Health and Social Service Providers	Partial (10.0%)	Partial (9.1%)	Partial (9.1%)	Partial (36.4%)	64.5%	4.5768595
10	Commercial Health Industry – Pharmacies	Partial (3.6%)	Partial (10.0%)	Partial (10.0%)	Yes (40.0%)	63.6%	4.5123967
11	Commercial Health Industry – Medical and Pharmaceutical Manufacturing	Partial (5.5%)	Partial (14.5%)	Partial (12.0%)	Partial (31.1%)	63.1%	4.4751515
12	Ambulatory Care Facilities setting – Mental Health and Social Service Providers	Partial (10.0%)	Partial (9.1%)	Partial (3.6%)	Yes (40.0%)	62.7%	4.4479339
13	Public Safety and Justice – Police Protection/Law Enforcement	Partial (8.0%)	Partial (7.3%)	Partial (9.1%)	Partial (36.4%)	60.7%	4.3061157
14	Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	Partial (10.0%)	Partial (8.0%)	Partial (5.5%)	Partial (36.4%)	59.8%	4.2416529
15	Public Safety and Justice – Judicial and Legal Services	Partial (3.6%)	Partial (4.0%)	Partial (10.9%)	Yes (40.0%)	58.5%	4.151405

TABLE 7: Support Emergency Support Service Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Role in Vaccine Response	Provides Patient Care	Public Health/ ER Response	Expert		
	Max. Value of Questions and Criterion	20%	20%	20%	40%	100%	7.090909
16	Public Administration – Executive Offices	Partial (9.1%)	Partial (7.3%)	Partial (9.1%)	Partial (32.7%)	58.2%	4.1256198
17	Ambulatory Care Facilities setting – Health Care System Support and General Support	Partial (18.2%)	Partial (14.5%)	Partial (14.5%)	Partial (8.9%)	56.2%	3.9823691
18	Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	Partial (10.0%)	Partial (5.5%)	Partial (4.4%)	Partial (36.0%)	55.9%	3.9637466
19	Public Safety and Justice – Fire Protection/EMT	Partial (10.0%)	Partial (3.6%)	Partial (5.5%)	Partial (36.4%)	55.5%	3.9322314
20	Public Health Department – Pre-event Public Health Emergency Responders	Partial (8.0%)	Partial (9.1%)	Partial (1.8%)	Partial (36.4%)	55.3%	3.9193388
21	Ambulatory Care Facilities setting – Medical Care Technicians and Aides	Partial (7.3%)	Partial (1.8%)	Partial (10.0%)	Partial (35.6%)	54.6%	3.8749311
22	General medical and surgical hospital setting – Medical Care Technicians and Aides	Partial (7.3%)	Partial (1.8%)	Partial (9.1%)	Partial (35.6%)	53.7%	3.8104683
23	Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	Partial (6.0%)	Partial (2.2%)	Partial (8.0%)	Partial (35.0%)	51.2%	3.6321212
24	Public Administration – Public Finance Services	Partial (6.0%)	Partial (5.5%)	Partial (7.3%)	Partial (32.0%)	50.7%	3.5970248
25	Public Health Department – Event Oriented Public Health Emergency Responders	Partial (4.4%)	Partial (8.0%)	No (0.0%)	Partial (36.4%)	48.8%	3.4609366
26	Nursing and Residential Care Facilities setting – Health Care System Support and General Support	Partial (18.0%)	Partial (16.4%)	Partial (8.9%)	Partial (4.4%)	47.7%	3.3821488
27	Public Administration – Tribal Governments	Partial (10.9%)	Partial (5.5%)	Partial (9.1%)	Partial (22.2%)	47.7%	3.3807163
28	Public Administration – Legislative Bodies and Offices	Partial (9.1%)	Partial (7.3%)	Partial (9.1%)	Partial (21.8%)	47.3%	3.3520661
29	Psychiatric and substance abuse hospitals – Medical Care Practitioners	Partial (2.5%)	No (0.0%)	Partial (4.0%)	Yes (40.0%)	46.5%	3.2972727
30	General medical and surgical hospital setting – Medical Care Practitioners	No (0.0%)	No (0.0%)	Partial (5.5%)	Yes (40.0%)	45.5%	3.2231405
31	Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	Partial (5.5%)	Partial (1.8%)	Partial (6.7%)	Partial (31.1%)	45.1%	3.1944904
32	Psychiatric and substance abuse hospitals – Health Care System Support and General Support	Partial (12.7%)	Partial (14.0%)	Partial (9.1%)	Partial (8.9%)	44.7%	3.1701377
33	Ambulatory Care Facilities setting – Medical Care Practitioners	No (0.0%)	No (0.0%)	Partial (4.0%)	Yes (40.0%)	44.0%	3.12
34	Public Safety and Justice – Corrections	Partial (6.0%)	Partial (6.0%)	Partial (4.0%)	Partial (26.7%)	42.7%	3.0254545
35	Nursing and Residential Care Facilities setting – Medical Care Practitioners	No (0.0%)	No (0.0%)	Partial (2.2%)	Yes (40.0%)	42.2%	2.9939394

TABLE 7: Support Emergency Support Service Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Role in Vaccine Response	Provides Patient Care	Public Health/ ER Response	Expert		
	Max. Value of Questions and Criterion	20%	20%	20%	40%	100%	7.090909
36	Community Services – Emergency Relief Organizations	Partial (5.5%)	Partial (10.9%)	Partial (10.9%)	Partial (12.0%)	39.3%	2.7847934
37	Information Industry	Partial (8.0%)	Partial (3.6%)	Partial (10.0%)	Partial (16.0%)	37.6%	2.6687603
38	Commercial Health Industry – Death Care Services	No (0.0%)	Partial (3.6%)	Partial (3.6%)	Partial (25.5%)	32.7%	2.3206612
39	Financial and Insurance Services Industry	Partial (3.6%)	Partial (3.6%)	Partial (4.0%)	Partial (20.0%)	31.3%	2.2175207
40	Educational Services Industry	Partial (4.0%)	Partial (2.0%)	Partial (4.4%)	Partial (20.0%)	30.4%	2.1587879
41	Commercial Health Industry – Other Health and Personal Care Stores	Partial (5.0%)	Partial (12.7%)	Partial (8.9%)	No (0.0%)	26.6%	1.8873278
42	Utility Industries	Partial (3.6%)	Partial (5.5%)	Partial (3.6%)	Partial (10.9%)	23.6%	1.6760331
43	Community Services – Non-emergency Social Assistance Services	Partial (7.3%)	Partial (7.3%)	Partial (7.3%)	No (0.0%)	21.8%	1.5471074
44	Transportation and Warehousing – Air Rail Water Pipeline and Truck Transportation & Support Activities	Partial (5.5%)	Partial (7.3%)	Partial (9.1%)	No (0.0%)	21.8%	1.5471074
45	Transportation and Warehousing – Transit and Ground Passenger Transport	Partial (3.6%)	Partial (5.5%)	Partial (12.0%)	No (0.0%)	21.1%	1.4955372
46	Community Services – Religious Organizations	Partial (5.5%)	Partial (3.6%)	Partial (3.6%)	Partial (8.0%)	20.7%	1.4697521
47	Transportation and Warehousing – Postal Services	Partial (3.6%)	Partial (5.5%)	Partial (10.0%)	No (0.0%)	19.1%	1.353719
48	Transportation and Warehousing – Warehousing and Storage	Partial (8.0%)	Partial (5.5%)	Partial (5.5%)	No (0.0%)	18.9%	1.3408264
49	Waste Management and Remediation Services	Partial (1.8%)	Partial (7.3%)	Partial (3.6%)	Partial (3.6%)	16.4%	1.1603306
50	Retail Trade – Food Beverage and Grocery Stores	Partial (3.6%)	Partial (6.0%)	Partial (5.5%)	No (0.0%)	15.1%	1.0700826
51	Agriculture Industry	No (0.0%)	Partial (3.6%)	Partial (6.0%)	Partial (4.0%)	13.6%	0.9669421
52	Manufacturing – Food Manufacturing	Partial (1.8%)	Partial (3.6%)	Partial (3.6%)	Partial (3.6%)	12.7%	0.9024793
53	Transportation and Warehousing – Couriers and Messengers	Partial (3.6%)	Partial (3.6%)	Partial (3.6%)	No (0.0%)	10.9%	0.7735537
54	Retail Trade – Gasoline Stations	Partial (3.6%)	Partial (3.6%)	Partial (3.6%)	No (0.0%)	10.9%	0.7735537
55	People with Chronic Medical Conditions, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
56	People with Chronic Medical Conditions, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
57	People with Chronic Medical Conditions, Ages 65+	No	No	No	No	0.0%	0

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Role in Vaccine Response	Provides Patient Care	Public Health/ ER Response	Expert		
	Max. Value of Questions and Criterion	20% (0.0%)	20% (0.0%)	20% (0.0%)	40% (0.0%)	100%	7.090909
58	Pregnant Women, All Ages	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
59	Infants and Toddlers, Ages 6-23 months	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
60	Household contacts of children <6 months, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
61	Household contacts of children <6 months, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
62	Household contacts of children <6 months, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
63	Household contacts of severely immunocompromised persons, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
64	Household contacts of severely immunocompromised persons, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
65	Household contacts of severely immunocompromised persons, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
66	Healthy Children, Ages 2 - 5	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
67	Healthy Children, Ages 6 -17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
68	Healthy Adults, Ages 18 - 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0
69	Healthy Adults, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.0%	0

Provides Essential Community Service

The “provides essential community service” criterion is comprised of four direct determinants: 1) performs a life-saving/life-preserving role; 2) supplies California with its basic needs; 3) supplies California with its financial needs; and 4) performs a role which requires advanced training and is difficult to replace.

Survey respondents assessed whether target groups provided a support emergency response service, though target groups only received points for being an “expert” if they fulfilled at least one of the other three determinants. Respondents expressed a minimal amount of uncertainty regarding how well some target groups fulfilled the “provides essential community service” direct determinants. On average, 4 percent of respondents were unsure how to rate the target groups (range is 0 to 27 percent). Respondents had difficulty determining whether the following groups perform essential emergency response roles: tribal governments (uncertainty between 18 and 27 percent) and financial and insurance industry (uncertainty between 9 and 27 percent).

Table 8 below shows how well the target groups fulfill each of the direct determinants within this criterion. It also shows the “strength of match” for the criterion. A handful of

target groups had high match rates (over 70 percent) on this criterion. Those that did have high match rates include medical care practitioners and most emergency responders (Fire Protection/EMT and Police Protection/Law Enforcement). The majority of target groups had moderate match rates (between 30 and 69 percent). These target groups are other medical care professionals, remaining emergency responders and support staff (Public Health Workers and Emergency Relief Organizations), government, and industries that supply food, electricity, waste removal. A handful of role-based groups had low match rates (match rate between 0 and 29 percent). These groups include most transportation services, gas stations, non-emergency social assistance, and health stores. All non-role based target groups also fell into this category.

TABLE 8: Essential Community Role Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Life-saving /Life-preserving	Basic Goods	Financial Goods	Expert		
	Max. Value of Questions and Criterion	33.3%	16.7%	16.7%	33.3%	100%	6.545455
1	Public Safety and Justice – Fire Protection/EMT	Yes (33.3%)	Partial (11.7%)	Partial (6.1%)	Yes (30.3%)	81.4%	5.3256198
2	Commercial Health Industry – Pharmacies	Yes (30.0%)	Partial (15.0%)	Partial (1.7%)	Yes (33.3%)	80.0%	5.2363636
3	General medical and surgical hospital setting – Medical Care Practitioners	Yes (30.3%)	Partial (15.0%)	No (0.0%)	Yes (33.3%)	78.6%	5.1471074
4	Ambulatory Care Facilities setting – Medical Care Practitioners	Yes (30.3%)	Partial (15.0%)	No (0.0%)	Yes (33.3%)	78.6%	5.1471074
5	Nursing and Residential Care Facilities setting – Medical Care Practitioners	Yes (30.3%)	Partial (15.0%)	No (0.0%)	Yes (33.3%)	78.6%	5.1471074
6	Public Health Department – Event Oriented Public Health Emergency Responders	Yes (30.3%)	Partial (15.0%)	Partial (1.5%)	Yes (30.3%)	77.1%	5.0479339
7	Public Safety and Justice – Emergency and Disaster Management	Partial (27.3%)	Partial (11.7%)	Partial (7.6%)	Yes (30.0%)	76.5%	5.0082645
8	Public Safety and Justice – Police Protection/Law Enforcement	Yes (30.3%)	Partial (9.3%)	Partial (6.1%)	Yes (30.3%)	75.9%	4.969697
9	General medical and surgical hospital setting – Medical Care Technicians and Aides	Partial (27.3%)	Partial (15.0%)	No (0.0%)	Partial (29.6%)	71.9%	4.7063361
10	Psychiatric and substance abuse hospitals – Medical Care Practitioners	Partial (26.7%)	Partial (11.7%)	No (0.0%)	Yes (33.3%)	71.7%	4.6909091
11	General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	Partial (24.2%)	Partial (13.0%)	No (0.0%)	Yes (33.3%)	70.5%	4.6170799
12	Public Health Department – Pre-event Public Health Emergency Responders	Partial (27.3%)	Partial (11.7%)	No (0.0%)	Yes (30.3%)	69.2%	4.5322314
13	Commercial Health Industry – Medical and Diagnostic Laboratories	Partial (24.2%)	Partial (11.7%)	No (0.0%)	Yes (33.3%)	69.2%	4.5322314
14	Ambulatory Care Facilities setting – Medical Care Technicians and Aides	Partial (24.2%)	Partial (15.0%)	No (0.0%)	Partial (29.6%)	68.9%	4.507989

TABLE 8: Essential Community Role Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Life-saving /Life-preserving	Basic Goods	Financial Goods	Expert		
	Max. Value of Questions and Criterion	33.3%	16.7%	16.7%	33.3%	100%	6.545455
15	Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	Partial (23.3%)	Partial (11.7%)	No (0.0%)	Yes (33.3%)	68.3%	4.4727273
16	Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	Partial (24.2%)	Partial (15.0%)	No (0.0%)	Partial (25.9%)	65.2%	4.2655647
17	Commercial Health Industry – Medical and Pharmaceutical Manufacturing	Partial (22.2%)	Partial (11.7%)	Partial (3.0%)	Partial (25.9%)	62.8%	4.1134986
18	Ambulatory Care Facilities setting – Mental Health and Social Service Providers	Partial (20.0%)	Partial (9.3%)	No (0.0%)	Yes (33.3%)	62.6%	4.0969697
19	Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	Partial (18.5%)	Partial (10.0%)	No (0.0%)	Yes (33.3%)	61.9%	4.0484848
20	Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	Partial (20.0%)	Partial (10.0%)	No (0.0%)	Partial (29.2%)	59.2%	3.8727273
21	Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	Partial (21.2%)	Partial (7.4%)	No (0.0%)	Yes (30.3%)	58.9%	3.8567493
22	General medical and surgical hospital setting – Mental Health and Social Service Providers	Partial (18.2%)	Partial (9.3%)	No (0.0%)	Yes (30.3%)	57.7%	3.7796143
23	Public Administration – Public Finance Services	Partial (9.1%)	Partial (6.7%)	Partial (15.2%)	Partial (26.7%)	57.6%	3.768595
24	Public Administration – Executive Offices	Partial (9.1%)	Partial (7.4%)	Partial (13.3%)	Partial (27.3%)	57.1%	3.737741
25	Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	Partial (20.0%)	Partial (6.7%)	No (0.0%)	Yes (30.0%)	56.7%	3.7090909
26	Public Safety and Justice – Judicial and Legal Services	Partial (10.0%)	Partial (5.6%)	Partial (7.6%)	Yes (33.3%)	56.5%	3.6958678
27	Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	Partial (13.3%)	Partial (8.3%)	No (0.0%)	Yes (33.3%)	55.0%	3.6
28	Public Health Department – Non-emergency Public Health Professionals	Partial (13.3%)	Partial (10.0%)	No (0.0%)	Yes (30.3%)	53.6%	3.5107438
29	Community Services – Emergency Relief Organizations	Partial (27.3%)	Partial (13.0%)	Partial (1.5%)	Partial (10.0%)	51.8%	3.3873278
30	Utility Industries	Partial (15.2%)	Partial (15.0%)	Partial (9.1%)	Partial (9.1%)	48.3%	3.1636364
31	Public Safety and Justice – Corrections	Partial (16.7%)	Partial (7.4%)	Partial (1.5%)	Partial (22.2%)	47.8%	3.1294766
32	Commercial Health Industry – Death Care Services	Partial (16.7%)	Partial (6.7%)	No (0.0%)	Partial (21.2%)	44.5%	2.9157025
33	Public Administration – Legislative Bodies and Offices	Partial (9.1%)	Partial (15.6%)	Partial (11.7%)	Partial (18.2%)	44.5%	2.9123967
34	Financial and Insurance Services Industry	Partial (9.1%)	Partial (6.3%)	Partial (11.7%)	Partial (16.7%)	43.7%	2.8586777

TABLE 8: Essential Community Role Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Life-saving /Life-preserving	Basic Goods	Financial Goods	Expert		
	Max. Value of Questions and Criterion	33.3%	16.7%	16.7%	33.3%	100%	6.545455
35	Information Industry	Partial (12.1%)	Partial (15.6%)	Partial (10.0%)	Partial (13.3%)	41.0%	2.6842975
36	Agriculture Industry	Partial (15.2%)	Partial (15.0%)	Partial (6.1%)	Partial (3.3%)	39.5%	2.5884298
37	Public Administration – Tribal Governments	Partial (9.1%)	Partial (4.2%)	Partial (6.3%)	Partial (18.5%)	38.0%	2.4889807
38	Manufacturing – Food Manufacturing	Partial (13.3%)	Partial (15.0%)	Partial (6.1%)	Partial (3.0%)	37.4%	2.4495868
39	Educational Services Industry	Partial (9.1%)	Partial (5.6%)	Partial (6.1%)	Partial (16.7%)	37.4%	2.446281
40	Retail Trade – Food Beverage and Grocery Stores	Partial (13.3%)	Partial (16.7%)	Partial (6.7%)	No (0.0%)	36.7%	2.4
41	General medical and surgical hospital setting – Health Care System Support and General Support	Partial (12.1%)	Partial (9.3%)	Partial (1.5%)	Partial (11.1%)	34.0%	2.2258953
42	Waste Management and Remediation Services	Partial (12.1%)	Partial (12.5%)	Partial (4.5%)	Partial (3.0%)	32.2%	2.107438
43	Ambulatory Care Facilities setting – Health Care System Support and General Support	Partial (12.1%)	Partial (11.1%)	Partial (1.5%)	Partial (7.4%)	32.2%	2.1046832
44	Nursing and Residential Care Facilities setting – Health Care System Support and General Support	Partial (16.7%)	Partial (10.0%)	Partial (1.5%)	Partial (3.7%)	31.9%	2.0870523
45	Transportation and Warehousing – Air Rail Water Pipeline and Truck Transportation & Support Activities	Partial (12.1%)	Partial (11.7%)	Partial (7.6%)	No (0.0%)	31.4%	2.0528926
46	Psychiatric and substance abuse hospitals – Health Care System Support and General Support	Partial (15.2%)	Partial (6.7%)	Partial (1.5%)	No (7.4%)	30.7%	2.0121212
47	Community Services – Religious Organizations	Partial (15.2%)	Partial (3.3%)	Partial (1.5%)	Partial (6.7%)	26.7%	1.7454545
48	Retail Trade – Gasoline Stations	Partial (6.7%)	Partial (11.7%)	Partial (7.6%)	No (0.0%)	25.9%	1.6958678
49	Transportation and Warehousing – Transit and Ground Passenger Transport	Partial (9.1%)	Partial (7.4%)	Partial (7.6%)	No (0.0%)	24.1%	1.5757576
50	Transportation and Warehousing – Postal Services	Partial (9.1%)	Partial (7.4%)	Partial (6.1%)	No (0.0%)	22.6%	1.476584
51	Community Services – Non-emergency Social Assistance Services	Partial (12.1%)	Partial (7.4%)	Partial (1.5%)	No (0.0%)	21.0%	1.3774105
52	Transportation and Warehousing – Warehousing and Storage	Partial (6.1%)	Partial (7.4%)	Partial (6.7%)	No (0.0%)	20.1%	1.3179063
53	Commercial Health Industry – Other Health and Personal Care Stores	Partial (13.3%)	Partial (5.0%)	No (0.0%)	No (0.0%)	18.3%	1.2
54	Transportation and Warehousing – Couriers and Messengers	Partial (6.1%)	Partial (3.7%)	Partial (7.6%)	No (0.0%)	17.3%	1.1349862

TABLE 8: Essential Community Role Data

Rank	Target Population	Determinants				Strength of Criterion Match	Criterion Score
		Life-saving /Life-preserving	Basic Goods	Financial Goods	Expert		
	Max. Value of Questions and Criterion	33.3%	16.7%	16.7%	33.3%	100%	6.545455
55	People with Chronic Medical Conditions, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
56	People with Chronic Medical Conditions, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
57	People with Chronic Medical Conditions, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
58	Pregnant Women, All Ages	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
59	Infants and Toddlers, Ages 6-23 months	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
60	Household contacts of children <6 months, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
61	Household contacts of children <6 months, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
62	Household contacts of children <6 months, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
63	Household contacts of severely immunocompromised persons, Ages 2 – 17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
64	Household contacts of severely immunocompromised persons, Ages 18 – 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
65	Household contacts of severely immunocompromised persons, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
66	Healthy Children, Ages 2 - 5	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
67	Healthy Children, Ages 6 -17	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
68	Healthy Adults, Ages 18 - 64	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0
69	Healthy Adults, Ages 65+	No (0.0%)	No (0.0%)	No (0.0%)	No (0.0%)	0.00%	0

B. Priority Scores

The final prioritization score is equal to the sum of the criterion scores for each target group. Table 8 below summarizes both the criterion and prioritization scores. The target groups are presented in rank-order based on their final prioritization score. Those with the highest scores were ranked first and should be the first to receive the vaccine.

Medical care and emergency response professionals dominate the top third of the priority list. These target groups received points on more vaccination criteria than the

other groups and they received more points per criteria than the other groups. For example, the top twenty groups fulfilled six of the seven criteria and had an average “strength of match” rate of 70 percent on these criteria.

Medical care system support workers, select essential workers, and select individuals with medical and prevention needs comprise the middle third of the priority list. These groups met between four and six criteria and had an average “strength of match” rate of 55 percent on these criteria.

The remaining essential workers, remaining individuals with medical and prevention needs, and the remaining healthy adult population dominate the bottom third of the priority list. These groups met between two and six criteria and had an average “strength of match” rate of 47 percent.

TABLE 8: Summary of Criterion and Prioritization Scores

Rank	Target Population	Criterion Scores							Final Prioritization Score
		Risk of Compli-cation	Risk of Trans-mission	Risk of Infection	Vaccine Effective-ness	Direct Emergency Response Service	Support Emergency Response Service	Performs Essential Community Role	
1	Ambulatory Care Facilities setting – Medical Care Practitioners	0.00000	5.27273	5.90909	6.27273	8.46545	3.12000	5.14711	34.187107
2	General medical and surgical hospital setting – Medical Care Practitioners	0.00000	5.27273	5.90909	6.27273	8.33719	3.22314	5.14711	34.161983
3	Nursing and Residential Care Facilities setting – Medical Care Practitioners	0.00000	5.27273	5.90909	6.27273	8.03434	2.99394	5.14711	33.629936
4	Public Safety and Justice – Fire Protection/EMT	0.00000	5.27273	5.90909	6.27273	6.12463	3.93223	5.32562	32.837025
5	Ambulatory Care Facilities setting – Medical Care Technicians and Aides	0.00000	4.79339	5.90909	6.27273	6.74279	3.87493	4.50799	32.100918
6	Psychiatric and substance abuse hospitals – Medical Care Practitioners	0.00000	5.27273	5.31818	6.27273	7.07904	3.29727	4.69091	31.930859
7	General medical and surgical hospital setting – Medical Care Technicians and Aides	0.00000	4.79339	5.37190	6.27273	6.82296	3.81047	4.70634	31.777778
8	Public Safety and Justice – Police Protection/Law Enforcement	0.00000	4.74545	5.90909	6.27273	4.66562	4.30612	4.96970	30.868705
9	Nursing and Residential Care Facilities setting – Medical Care Technicians and Aides	0.00000	4.79339	5.90909	6.27273	6.21726	3.19449	4.26556	30.652525
10	Commercial Health Industry – Pharmacies	0.00000	3.16364	4.59596	6.27273	6.38116	4.51240	5.23636	30.162241

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11	Public Health Department – Event Oriented Public Health Emergency Responders	0.00000	3.69091	4.29752	6.27273	7.22378	3.46094	5.04793	29.993811
12	General medical and surgical hospital setting – Mental Health and Social Service Providers	0.00000	4.21818	5.37190	6.27273	4.64959	4.57686	3.77961	28.868871
13	Ambulatory Care Facilities setting – Mental Health and Social Service Providers	0.00000	4.68687	4.13636	6.27273	5.13058	4.44793	4.09697	28.771442
14	Psychiatric and substance abuse hospitals – Medical Care Technicians and Aides	0.00000	4.10101	5.31818	6.27273	5.33990	3.63212	3.87273	28.536667
15	Nursing and Residential Care Facilities setting – Mental Health and Social Service Providers	0.00000	4.79339	4.59596	6.27273	4.92037	3.96375	3.70909	28.25528
16	Public Health Department – Pre-event Public Health Emergency Responders	0.00000	3.16364	3.93939	6.27273	6.17273	3.91934	4.53223	28.000055
17	Psychiatric and substance abuse hospitals – Mental Health and Social Service Providers	0.00000	4.61364	4.13636	6.27273	4.39306	4.24165	3.85675	27.514187
18	Public Safety and Justice – Emergency and Disaster Management	0.00000	3.16364	2.21591	6.27273	4.31289	4.93785	5.00826	25.911281
19	Public Safety and Justice – Corrections	0.00000	4.10101	5.25253	6.27273	3.05697	3.02545	3.12948	24.838163
20	General medical and surgical hospital setting – Medical Scientists and Laboratory Technicians	0.00000	1.31818	1.77273	6.27273	4.20066	5.69851	4.61708	23.87989
21	Ambulatory Care Facilities setting – Medical Scientists and Laboratory Technicians	0.00000	1.31818	1.18182	6.27273	4.34496	5.45355	4.47273	23.043967
22	Public Health Department – Non-emergency Public Health Professionals	0.00000	1.75758	2.36364	6.27273	4.48926	4.64132	3.51074	23.035262
23	Community Services – Emergency Relief Organizations	0.00000	4.74545	3.22314	6.27273	2.34083	2.78479	3.38733	22.75427
24	Commercial Health Industry – Death Care Services	0.00000	3.16364	3.93939	6.27273	3.36694	2.32066	2.91570	21.979063
25	Commercial Health Industry – Medical and Diagnostic Laboratories	0.00000	0.00000	0.00000	6.27273	4.41622	5.74579	4.53223	20.966961
26	Nursing and Residential Care Facilities setting – Medical Scientists and Laboratory Technicians	0.00000	0.58586	0.00000	6.27273	4.02430	4.95218	4.04848	19.883545
27	General medical and surgical hospital setting – Health Care System Support and General	0.00000	2.34343	2.62626	6.27273	1.49642	4.81322	2.22590	19.777961

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	Support								
28	Commercial Health Industry – Medical and Pharmaceutical Manufacturing	0.00000	0.00000	0.00000	6.27273	4.53914	4.47515	4.11350	19.400514
29	Psychiatric and substance abuse hospitals – Medical Scientists and Laboratory Technicians	0.00000	0.00000	0.00000	6.27273	3.72323	4.86766	3.60000	18.463618
30	Pregnant Women All Ages	3.31818	6.59091	1.96970	6.27273	0.00000	0.00000	0.00000	18.151515
31	Household contacts of severely immunocompromised persons Ages 65+	6.63636	4.79339	2.21591	4.18182	0.00000	0.00000	0.00000	17.827479
32	Ambulatory Care Facilities setting – Health Care System Support and General Support	0.00000	1.31818	2.62626	6.27273	1.26483	3.98237	2.10468	17.569054
33	Nursing and Residential Care Facilities setting – Health Care System Support and General Support	0.00000	1.75758	2.95455	6.27273	0.74821	3.38215	2.08705	17.202259
34	Public Administration – Executive Offices	0.00000	0.00000	0.00000	6.27273	3.04628	4.12562	3.73774	17.182369
35	Public Administration – Public Finance Services	0.00000	0.52727	0.00000	6.27273	2.98215	3.59702	3.76860	17.147769
36	Community Services – Non-emergency Social Assistance Services	0.00000	3.51515	3.54545	6.27273	0.80165	1.54711	1.37741	17.059504
37	Infants and Toddlers Ages 6-23 months	3.31818	7.25000	1.96970	4.18182	0.00000	0.00000	0.00000	16.719697
38	Household contacts of children <6 months Ages 65+	6.63636	4.21818	1.47727	4.18182	0.00000	0.00000	0.00000	16.513636
39	Public Safety and Justice – Judicial and Legal Services	0.00000	1.05455	1.31313	6.27273	0.00000	4.15140	3.69587	16.487677
40	Psychiatric and substance abuse hospitals – Health Care System Support and General Support	0.00000	1.50649	2.21591	6.27273	1.12053	3.17014	2.01212	16.297921
41	Healthy Children Ages 2 - 5	3.31818	4.74545	3.93939	4.18182	0.00000	0.00000	0.00000	16.184848
42	Educational Services Industry	0.00000	1.75758	2.95455	6.27273	0.00000	2.15879	2.44628	15.589917
43	People with Chronic Medical Conditions Ages 2 – 17	3.31818	5.93182	1.96970	4.18182	0.00000	0.00000	0.00000	15.401515
44	Community Services – Religious Organizations	0.00000	2.92929	2.95455	6.27273	0.00000	1.46975	1.74545	15.371772
45	People with Chronic Medical Conditions Ages 65+	6.63636	5.64935	0.98485	2.09091	0.00000	0.00000	0.00000	15.361472
46	Retail Trade – Food Beverage and Grocery Stores	0.00000	3.16364	2.36364	6.27273	0.00000	1.07008	2.40000	15.270083
47	Public Administration – Legislative Bodies and Offices	0.00000	0.52727	0.00000	6.27273	2.08430	3.35207	2.91240	15.14876

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48	Public Administration – Tribal Governments	0.00000	0.52727	0.00000	6.27273	2.11993	3.38072	2.48898	14.789624
49	People with Chronic Medical Conditions Ages 18 – 64	3.31818	5.27273	1.96970	4.18182	0.00000	0.00000	0.00000	14.742424
50	Transportation and Warehousing – Transit and Ground Passenger Transport	0.00000	2.63636	2.36364	6.27273	0.32066	1.49554	1.57576	14.664683
51	Household contacts of severely immunocompromised persons Ages 2 – 17	0.00000	4.79339	2.53247	6.27273	0.00000	0.00000	0.00000	13.598583
52	Commercial Health Industry – Other Health and Personal Care Stores	0.00000	1.75758	2.21591	6.27273	0.00000	1.88733	1.20000	13.33354
53	Information Industry	0.00000	0.00000	0.00000	6.27273	1.58727	2.66876	2.68430	13.213058
54	Household contacts of severely immunocompromised persons Ages 18 – 64	0.00000	4.79339	1.68831	6.27273	0.00000	0.00000	0.00000	12.754427
55	Healthy Children Ages 6 -17	0.00000	2.10909	4.22078	6.27273	0.00000	0.00000	0.00000	12.602597
56	Utility Industries	0.00000	0.00000	0.00000	6.27273	1.12231	1.67603	3.16364	12.234711
57	Household contacts of children <6 months Ages 2 – 17	0.00000	3.69091	2.21591	6.27273	0.00000	0.00000	0.00000	12.179545
58	Healthy Adults Ages 65+	6.63636	0.00000	0.98485	4.18182	0.00000	0.00000	0.00000	11.80303
59	Household contacts of children <6 months Ages 18 – 64	0.00000	3.69091	1.68831	6.27273	0.00000	0.00000	0.00000	11.651948
60	Transportation and Warehousing – Air Rail Water Pipeline and Truck Transportation & Support Activities	0.00000	0.52727	0.59091	6.27273	0.64132	1.54711	2.05289	11.632231
61	Financial and Insurance Services Industry	0.00000	0.00000	0.00000	6.27273	0.00000	2.21752	2.85868	11.348926
62	Retail Trade – Gasoline Stations	0.00000	1.58182	0.65657	6.27273	0.16033	0.77355	1.69587	11.140863
63	Transportation and Warehousing – Postal Services	0.00000	0.52727	0.65657	6.27273	0.32066	1.35372	1.47658	10.60753
64	Waste Management and Remediation Services	0.00000	0.00000	0.00000	6.27273	0.48099	1.16033	2.10744	10.021488
65	Agriculture Industry	0.00000	0.00000	0.00000	6.27273	0.00000	0.96694	2.58843	9.8280992
66	Transportation and Warehousing – Couriers and Messengers	0.00000	0.58586	0.73864	6.27273	0.16033	0.77355	1.13499	9.6660927
67	Manufacturing – Food Manufacturing	0.00000	0.00000	0.00000	6.27273	0.00000	0.90248	2.44959	9.6247934
68	Transportation and Warehousing – Warehousing and Storage	0.00000	0.00000	0.00000	6.27273	0.17636	1.34083	1.31791	9.1078237
69	Healthy Adults Ages 18 - 64	0.00000	0.00000	1.96970	6.27273	0.00000	0.00000	0.00000	8.2424242

SECTION C. SURVEY EVALUATION AND DEMOGRAPHIC QUESTIONS

A. Survey Evaluation

Meeting Survey Objectives

Overall respondents felt that the survey fulfilled its key objectives. Eighty-two percent of the respondents agreed with the following statement, “The rating scale exercise adequately assessed the relative importance between the seven criteria.” All of the respondents felt that the target group population list was comprehensive. Ninety-one percent agreed that the criteria questions accurately captured the dimensions of each criterion. Finally, eighty-two percent of respondents expressed confidence in using the DAST survey results to produce a rank-ordered prioritization list. These findings demonstrate that most of the respondents support the DAST methodology and will likely accept the results. Table 9 presents a summary of the results for questions evaluating whether the survey objectives were met.

TABLE 9: Evaluation Results: Meeting Survey Objectives				
Survey Questions	Answer Categories			
	Strongly Agree (%)	Agree (%)	Disagree (%)	Strongly Disagree (%)
The rating scale exercise adequately assessed the relative importance between the seven criteria.	27%	55%	18%	0%
The target population group list was comprehensive; no relevant groups were missing from the list.	64%	36%	0%	0%
The criteria questions adequately captured the important dimensions of each criterion.	27%	64%	9%	0%
I feel confident in using the DAST survey results to develop California’s prioritization list.	9%	73%	18%	0%

While the majority of respondents agreed with the above statements, the survey did not provide a neutral or “soft” option. An updated questionnaire could contain “somewhat agree” and “somewhat disagree” answer categories to better reflect respondents opinions.

Assessing survey instrument

Most respondents (91%) felt that the survey instrument provided sufficient information in order to adequately answer the questions. About one-third (38%) of the respondents found it somewhat difficult to navigate between the paper handout and the online survey indicating that more work needs to be done to facilitate this process. Finally, 73 percent of respondents took an hour or less to complete the survey which is less than expected. Table 10 presents a summary of the results for questions evaluating the survey instrument.

TABLE 10: Evaluation Results: Assessing survey instrument	
	Answer categories

Questions	Strongly Agree (%)	Agree (%)	Disagree (%)	Strongly Disagree (%)
Document contains sufficient information regarding how information from this survey will be analyzed and used.	18%	64%	18%	0%
Questions	Right amount of information	Answer categories		
		Too much information	Not enough information	
Was the level of information provided about the population groups sufficient to answer the questions?	73%	18%	9%	
Was the level of information provided about the criteria sufficient to answer the questions?	73%	18%	9%	
Questions	Yes	Answer categories		No
		Somewhat		
Was it difficult to navigate between the paper handout and the online survey?	0%	38%	62%	
Question	30-45 minutes	Answer categories		75-90 minutes
		45-60 minutes	60-75 minutes	
Approximately how much time did this survey take you to complete?	18%	55%	18%	9%

B. Demographic data

Respondents work for a variety of organizations. Five respondents work for state or local health departments, two work for health care organizations, two work for colleges or universities, and one works for a trade association. This survey will be administered to a larger sample that will hopefully include individuals who work for community-based organizations, law enforcement agencies and biotech companies.