California Health Providers' Attitudes Regarding a COVID-19 Vaccine

Goodwin and Simon Strategic Research
December 2020
In early December 2020, as two vaccines against COVID-19 were moving toward consideration by the US Food and Drug Administration, the California Health Care Foundation (CHCF) in conjunction with Goodwin Simon Strategic Research, conducted a statewide survey of California health care providers regarding attitudes and motivations around a COVID-19 vaccine.

The survey was conducted December 2–9, 2020, among 1,203 health care providers.

Key findings include:

- Statewide, 83% of health care providers say they will get the vaccine. More than half (53%) will “definitely” get the vaccine if it is made available to them, and another 31% will “probably” get it.
- As for timing, nearly half of providers (47%) would want to get the vaccine immediately after it is made available to them, and another 23% would want to get it one to two months after.
- Sixty-five percent of all providers favor an employer mandate that clinicians receive the vaccine. While majorities across provider types favor an employer mandate, a potentially vocal minority (15%) of providers strongly oppose one.

Here is the breakdown of provider types who were interviewed.

<table>
<thead>
<tr>
<th>Respondent Type</th>
<th>Specialty</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDs/DOs</td>
<td>PCPs and other mixed specialty who treat patients/residents. Can work in any of the settings in Q6, including skilled nursing, assisted living, or long-term care facilities.</td>
<td>501</td>
</tr>
<tr>
<td>NPs/PAs</td>
<td>NPs/PAs who treat patients/residents</td>
<td>320</td>
</tr>
<tr>
<td>Nurses</td>
<td>Nurses who treat patients/residents</td>
<td>318</td>
</tr>
<tr>
<td>Providers at SN/AL/LTC Facility</td>
<td>Direct providers at skilled nursing (SN), assisted living (AL), or long-term care (LTC) facilities</td>
<td>300</td>
</tr>
</tbody>
</table>

**QUESTIONNAIRE AND RESPONSES**

Following is the complete questionnaire with responses.

Thank you for agreeing to take our confidential and anonymous survey.

To participate, simply answer the question(s) on each page and click the “Continue” button to progress in the survey. Your responses will be submitted as you progress through the survey. Overall, we expect your participation to take approximately 10 minutes.
Now we have some questions that are strictly for statistical use.

S1. Please indicate your state of residence.  **[INSERT STATE DROP DOWN]**
   California = CONTINUE; ALL ELSE = TERMINATE

1. In what county do you practice *primarily*? **[INSERT CA COUNTY DROP DOWN, + UNSURE]**

| Bay Area: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma | 23% |
| Rural North: Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Nevada, Plumas, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, Tuolumne, Yuba | 3% |
| Greater Sacramento: El Dorado, Placer, Sacramento, Yolo | 5% |
| Central Coast: Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz, Ventura | 6% |
| Central Valley: Fresno, Kern, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tulare | 7% |
| Los Angeles County: Los Angeles | 29% |
| San Diego / Orange: Orange, San Diego | 21% |
| Inland Empire / Desert: Imperial, Inyo, Mono, Riverside, San Bernardino | 7% |

* Indicates that less than one half of one percent of respondents gave this response.
— Indicates that no respondents gave this response.
Please note that due to rounding, totals may equal a few points more or less than one hundred.

2. Would you describe where you primarily practice as:

| A large city with about a half-million people or more | 53% |
| A smaller city | 20% |
| A suburb near a city | 20% |
| A small town or rural area | 7% |
| Unsure | * |
3. In the last six months, have you provided direct care to patients in any setting (private practice, hospital, urgent care center, etc.) and/or direct care to residents in a skilled nursing facility, nursing home, or residential care facility (assisted living or long-term care)? This could include in-person or telehealth. (Telehealth includes providing patient care virtually by telephone or video.)

<table>
<thead>
<tr>
<th>Yes, direct care to patients</th>
<th>78%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, direct care to residents in a skilled nursing facility, nursing home, or residential care facility (assisted living or long-term care)</td>
<td>5</td>
</tr>
<tr>
<td>Yes, both</td>
<td>16</td>
</tr>
<tr>
<td>No, neither</td>
<td>— TERMINATE</td>
</tr>
<tr>
<td>Unsure</td>
<td>— TERMINATE</td>
</tr>
</tbody>
</table>

4. Which of the following licenses, credentials, or degrees do you currently hold? (Please select all that apply.) [ALLOW MULTIPLE RESPONSES]

<table>
<thead>
<tr>
<th>License/Credential</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MD</td>
<td>38%</td>
</tr>
<tr>
<td>DO</td>
<td>3</td>
</tr>
<tr>
<td>Nurse Practitioner (NP)</td>
<td>17</td>
</tr>
<tr>
<td>Physician Assistant (PA)</td>
<td>10</td>
</tr>
<tr>
<td>Respiratory Therapist</td>
<td>*</td>
</tr>
<tr>
<td>RN</td>
<td>29</td>
</tr>
<tr>
<td>Licensed Practical Nurse/Licensed Vocational Nurse (LPN/LVN)</td>
<td>3</td>
</tr>
<tr>
<td>Certified Nursing Assistant (CNA)</td>
<td>*</td>
</tr>
<tr>
<td>Certified Registered Nurse Anesthetist (CRNA)</td>
<td>*</td>
</tr>
<tr>
<td>Clinical Nurse Specialist (CNS)</td>
<td>1</td>
</tr>
<tr>
<td>Certified Nurse Midwife (CNM)</td>
<td>1</td>
</tr>
<tr>
<td>Dietitian</td>
<td>2</td>
</tr>
<tr>
<td>Occupational Therapist</td>
<td>*</td>
</tr>
<tr>
<td>Physical Therapist</td>
<td>3</td>
</tr>
<tr>
<td>Speech Therapist</td>
<td>—</td>
</tr>
<tr>
<td>Other</td>
<td>TERMINATE</td>
</tr>
<tr>
<td>Prefer not to say</td>
<td>TERMINATE</td>
</tr>
<tr>
<td>Unsure</td>
<td>TERMINATE</td>
</tr>
</tbody>
</table>

[ASK Q5 IF MD, DO, NP, OR PA]

5. What is your medical specialty? (n = 821)

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary care (general and family practitioner, general internist)</td>
<td>41%</td>
</tr>
<tr>
<td>Specialist (medical specialist, surgeon, ob/gyn, radiology)</td>
<td>27</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>11</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>5</td>
</tr>
<tr>
<td>Emergency medicine</td>
<td>9</td>
</tr>
<tr>
<td>Other (Please specify)</td>
<td>8</td>
</tr>
<tr>
<td>Unsure</td>
<td>—</td>
</tr>
</tbody>
</table>
6. In which of the following settings have you primarily practiced or worked in the last six months? (Please select all that apply.) [ALLOW MULTIPLE RESPONSES]

<table>
<thead>
<tr>
<th>Setting</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency department</td>
<td>14%</td>
</tr>
<tr>
<td>In-patient hospital</td>
<td>38%</td>
</tr>
<tr>
<td>Outpatient clinic or service within a hospital such as cardiology, radiology, or specialty clinics (excluding ED)</td>
<td>31%</td>
</tr>
<tr>
<td>Outpatient surgery center or infusion (chemotherapy) or dialysis clinic</td>
<td>6%</td>
</tr>
<tr>
<td>Urgent care center</td>
<td>10%</td>
</tr>
<tr>
<td>Community health center or clinic, free or reduced-fee clinic, or public health center</td>
<td>14%</td>
</tr>
<tr>
<td>Federally Qualified Health Center</td>
<td>5%</td>
</tr>
<tr>
<td>Skilled nursing facility (SNF) or nursing home</td>
<td>11%</td>
</tr>
<tr>
<td>Residential care facility (assisted living or long-term care)</td>
<td>6%</td>
</tr>
<tr>
<td>Home health care</td>
<td>7%</td>
</tr>
<tr>
<td>Other (specify)</td>
<td>12%</td>
</tr>
<tr>
<td>Unsure</td>
<td>*</td>
</tr>
</tbody>
</table>

- [IF Q6 ≠ 8/9, USE “PATIENT” LANGUAGE BELOW]
- [IF Q6 = 8/9 AND OTHER Q6 ITEMS, USE “PATIENT AND/OR RESIDENT” LANGUAGE BELOW]
- [IF Q6 = 8/9 ONLY, USE “RESIDENT” LANGUAGE BELOW]

7. Do you currently belong to a professional association (e.g., California Medical Association) or to a labor union for health workers?

<table>
<thead>
<tr>
<th>Option</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, to a professional association</td>
<td>47%</td>
</tr>
<tr>
<td>Yes, to a labor union</td>
<td>9%</td>
</tr>
<tr>
<td>Yes, to both</td>
<td>7%</td>
</tr>
<tr>
<td>No, neither</td>
<td>35%</td>
</tr>
<tr>
<td>Unsure</td>
<td>2%</td>
</tr>
</tbody>
</table>

8. What percentage of your patient population [resident population / patient and resident populations] would you estimate are Medicaid/Medi-Cal or uninsured? Your best guess is fine. [CODE ANYONE WHO Responds 30% OR MORE (3:5) AS “SAFETY-NET PROVIDER”]

<table>
<thead>
<tr>
<th>Percentage</th>
<th>TOTAL NOT SAFETY-NET PROVIDER: 34%</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>4%</td>
</tr>
<tr>
<td>Less than 30%</td>
<td>30</td>
</tr>
<tr>
<td>30% to 50%</td>
<td>26</td>
</tr>
<tr>
<td>51% to 75%</td>
<td>18</td>
</tr>
<tr>
<td>More than 75%</td>
<td>18</td>
</tr>
<tr>
<td>Unsure</td>
<td>4%</td>
</tr>
</tbody>
</table>
9. In the last six months, approximately how many COVID-19 patients [patients and residents/residents] have you seen or treated? Your best guess is fine.

<table>
<thead>
<tr>
<th>Number of Patients</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zero</td>
<td>9%</td>
</tr>
<tr>
<td>1 to 5</td>
<td>18%</td>
</tr>
<tr>
<td>6 to 10</td>
<td>14%</td>
</tr>
<tr>
<td>11 to 20</td>
<td>13%</td>
</tr>
<tr>
<td>21 to 50</td>
<td>18%</td>
</tr>
<tr>
<td>51 to 100</td>
<td>11%</td>
</tr>
<tr>
<td>101 or more</td>
<td>12%</td>
</tr>
<tr>
<td>Unsure</td>
<td>5%</td>
</tr>
</tbody>
</table>

10. Thinking about where you work most frequently, do you have enough personal protective equipment (PPE) to prevent the spread of COVID-19?

<table>
<thead>
<tr>
<th>Response</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>76%</td>
</tr>
<tr>
<td>No</td>
<td>17%</td>
</tr>
<tr>
<td>Unsure</td>
<td>7%</td>
</tr>
</tbody>
</table>

Responses by subgroup

<table>
<thead>
<tr>
<th>Response</th>
<th>MDs/DOs</th>
<th>NPs/PAs</th>
<th>Nurses</th>
<th>SN/AL/LTC Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>79%</td>
<td>76%</td>
<td>72%</td>
<td>75%</td>
</tr>
<tr>
<td>No</td>
<td>15%</td>
<td>18%</td>
<td>20%</td>
<td>18%</td>
</tr>
<tr>
<td>Unsure</td>
<td>6%</td>
<td>6%</td>
<td>8%</td>
<td>7%</td>
</tr>
</tbody>
</table>

11. At your workplace, which of the following best describes COVID-19 testing for health care providers like yourself?

<table>
<thead>
<tr>
<th>Response</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>I receive routine testing</td>
<td>14%</td>
</tr>
<tr>
<td>Testing is available at my request</td>
<td>56%</td>
</tr>
<tr>
<td>I do not have access to adequate testing</td>
<td>27%</td>
</tr>
<tr>
<td>Unsure</td>
<td>4%</td>
</tr>
</tbody>
</table>

Responses by subgroup

<table>
<thead>
<tr>
<th>Response</th>
<th>MDs/DOs</th>
<th>NPs/PAs</th>
<th>Nurses</th>
<th>SN/AL/LTC Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>I receive routine testing</td>
<td>8%</td>
<td>10%</td>
<td>20%</td>
<td>32%</td>
</tr>
<tr>
<td>Testing is available at my request</td>
<td>68%</td>
<td>56%</td>
<td>42%</td>
<td>44%</td>
</tr>
<tr>
<td>I do not have access to adequate testing</td>
<td>22%</td>
<td>30%</td>
<td>32%</td>
<td>20%</td>
</tr>
<tr>
<td>Unsure</td>
<td>3%</td>
<td>4%</td>
<td>5%</td>
<td>4%</td>
</tr>
</tbody>
</table>
12. How concerned are you about contracting COVID-19 at work?

<table>
<thead>
<tr>
<th>Concern Level</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely concerned</td>
<td>19%</td>
</tr>
<tr>
<td>Very concerned</td>
<td>27%</td>
</tr>
<tr>
<td>Somewhat concerned</td>
<td>33%</td>
</tr>
<tr>
<td>A little concerned</td>
<td>15%</td>
</tr>
<tr>
<td>Not concerned at all</td>
<td>5%</td>
</tr>
<tr>
<td>Unsure</td>
<td>*</td>
</tr>
</tbody>
</table>

**TOTAL CONCERNED:** 80%

13. When a COVID-19 vaccine receives emergency use authorization from the FDA and becomes available for health care providers like yourself, would you definitely get the vaccine, probably get the vaccine, probably would not get the vaccine, or definitely would not get the vaccine?

<table>
<thead>
<tr>
<th>Action</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Definitely get the vaccine</td>
<td>53%</td>
</tr>
<tr>
<td>Probably get the vaccine</td>
<td>31%</td>
</tr>
<tr>
<td>Probably not get the vaccine</td>
<td>9%</td>
</tr>
<tr>
<td>Definitely not get the vaccine</td>
<td>4%</td>
</tr>
<tr>
<td>Unsure</td>
<td>4%</td>
</tr>
</tbody>
</table>

**TOTAL WOULD GET VACCINE:** 83%

**TOTAL WOULD NOT GET VACCINE:** 13%

Responses by subgroup

<table>
<thead>
<tr>
<th>Action</th>
<th>MDs/DOs</th>
<th>NPs/PAs</th>
<th>Nurses</th>
<th>SN/AL/LTC Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Definitely get the vaccine</td>
<td>65%</td>
<td>48%</td>
<td>40%</td>
<td>46%</td>
</tr>
<tr>
<td>Probably get the vaccine</td>
<td>28%</td>
<td>31%</td>
<td>33%</td>
<td>35%</td>
</tr>
<tr>
<td>Probably not get the vaccine</td>
<td>4%</td>
<td>13%</td>
<td>14%</td>
<td>10%</td>
</tr>
<tr>
<td>Definitely not get the vaccine</td>
<td>2%</td>
<td>4%</td>
<td>6%</td>
<td>4%</td>
</tr>
<tr>
<td>Unsure</td>
<td>2%</td>
<td>3%</td>
<td>7%</td>
<td>5%</td>
</tr>
</tbody>
</table>

SPLIT SAMPLE A (n 300 distributed across sample types at the top of page 1)
14. Regardless of whether or not you would get the vaccine, what are the one or two main reasons you would get a COVID-19 vaccine once it is available?

[OPEN-END] ________________________

SPLIT SAMPLE B (n 300 distributed across sample types at the top of page 1)
15. Regardless of whether or not you would get the vaccine, what are the one or two main reasons you would not get a COVID-19 vaccine once it is available?

[OPEN-END] ________________________

SPLIT SAMPLE C (n 300 distributed across sample types at the top of page 1)
16. When a COVID-19 vaccine becomes available, what, if anything, would increase your willingness to get vaccinated?

[OPEN-END] ________________________

SPLIT SAMPLE D (n 300 distributed across sample types at the top of page 1)
17. When a COVID-19 vaccine becomes available, what, if anything, would decrease your willingness to get vaccinated?

[OPEN-END] ________________________
RESUME ASKING EVERYONE

18. For each of the following, please indicate if it would make you more likely or less likely to get a COVID-19 vaccine, or if it would make no difference one way or the other. For this question, assume the vaccine has been approved by the FDA under emergency use authorization.

<table>
<thead>
<tr>
<th>RANDOMIZE</th>
<th>Much more likely</th>
<th>Somewhat more likely</th>
<th>Somewhat less likely</th>
<th>Much less likely</th>
<th>No difference</th>
<th>Not applicable</th>
<th>Unsure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPLIT SAMPLE A (n = 600)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. The vaccine is shown to be 85% to 94% effective at preventing sickness</td>
<td>58%</td>
<td>26%</td>
<td>2%</td>
<td>1%</td>
<td>11%</td>
<td>—</td>
<td>2%</td>
</tr>
<tr>
<td>b. The vaccine trials included people demographically similar to you (e.g., similar age, race, gender, etc.)</td>
<td>47</td>
<td>32</td>
<td>2</td>
<td>1</td>
<td>18</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td>c. The vaccine shows no serious side effects</td>
<td>76</td>
<td>15</td>
<td>2</td>
<td>1</td>
<td>5</td>
<td>*</td>
<td>1</td>
</tr>
<tr>
<td>d. The vaccine is recommended by your employer</td>
<td>21</td>
<td>26</td>
<td>3</td>
<td>2</td>
<td>45</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>e. All vaccine-related costs are covered by your employer and/or the state of California</td>
<td>45</td>
<td>23</td>
<td>1</td>
<td>1</td>
<td>29</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>SPLIT SAMPLE B (n = 603)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. The vaccine is shown to be 95% to 99% effective at preventing sickness</td>
<td>68</td>
<td>21</td>
<td>1</td>
<td>*</td>
<td>10</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>g. A large number of other health care providers have already received the vaccine</td>
<td>47</td>
<td>29</td>
<td>2</td>
<td>*</td>
<td>20</td>
<td>*</td>
<td>1</td>
</tr>
<tr>
<td>h. The vaccine trials included people with similar health conditions as you (e.g., heart disease, high blood pressure, diabetes, obesity, etc.)</td>
<td>42</td>
<td>30</td>
<td>2</td>
<td>*</td>
<td>17</td>
<td>8</td>
<td>*</td>
</tr>
<tr>
<td>i. The vaccine is recommended by your personal doctor</td>
<td>25</td>
<td>33</td>
<td>2</td>
<td>1</td>
<td>37</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>j. The vaccine is required by your employer</td>
<td>45</td>
<td>23</td>
<td>4</td>
<td>2</td>
<td>22</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>IF UNION MEMBER IN Q7, ASK: (n = 185)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>k. The vaccine is recommended by your union</td>
<td>15</td>
<td>18</td>
<td>4</td>
<td>2</td>
<td>57</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td><strong>IF MEMBER OF PROFESSIONAL ASSOCIATION IN Q7, ASK: (n = 651)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>l. The vaccine is recommended by your professional association</td>
<td>30</td>
<td>32</td>
<td>4</td>
<td>1</td>
<td>32</td>
<td>*</td>
<td>1</td>
</tr>
</tbody>
</table>
[RESUME ASKING EVERYONE]

19. After the FDA grants emergency use authorization and it becomes available to you, when would you want to get the COVID-19 vaccine?

<table>
<thead>
<tr>
<th>Response</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediately</td>
<td>47%</td>
</tr>
<tr>
<td>After one to two months</td>
<td>23%</td>
</tr>
<tr>
<td>After three to four months</td>
<td>11%</td>
</tr>
<tr>
<td>Wait longer than that</td>
<td>12%</td>
</tr>
<tr>
<td>Never</td>
<td>2%</td>
</tr>
<tr>
<td>Unsure</td>
<td>5%</td>
</tr>
</tbody>
</table>

Responses by subgroup

<table>
<thead>
<tr>
<th>Response</th>
<th>MDs/DOs</th>
<th>NPs/PAs</th>
<th>Nurses</th>
<th>SN/AL/LTC Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediately</td>
<td>56%</td>
<td>44%</td>
<td>38%</td>
<td>41%</td>
</tr>
<tr>
<td>After one to two months</td>
<td>25%</td>
<td>21%</td>
<td>19%</td>
<td>27%</td>
</tr>
<tr>
<td>After three to four months</td>
<td>9%</td>
<td>12%</td>
<td>12%</td>
<td>12%</td>
</tr>
<tr>
<td>Wait longer than that</td>
<td>6%</td>
<td>14%</td>
<td>21%</td>
<td>13%</td>
</tr>
<tr>
<td>Never</td>
<td>1%</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Unsure</td>
<td>3%</td>
<td>7%</td>
<td>8%</td>
<td>5%</td>
</tr>
</tbody>
</table>

20. For you personally, how important is each of the following when it comes to getting a COVID-19 vaccine?

<table>
<thead>
<tr>
<th>RANDOMIZE</th>
<th>Extremely important</th>
<th>Very important</th>
<th>Somewhat important</th>
<th>A little important</th>
<th>Not important at all</th>
<th>Unsure</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. To protect yourself</td>
<td>71%</td>
<td>16%</td>
<td>7%</td>
<td>2%</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td>b. To protect your family</td>
<td>86%</td>
<td>9%</td>
<td>3%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>c. To protect your friends</td>
<td>64%</td>
<td>24%</td>
<td>7%</td>
<td>2%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>d. To protect your coworkers</td>
<td>63%</td>
<td>26%</td>
<td>7%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>e. To protect your patients</td>
<td>70%</td>
<td>23%</td>
<td>4%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>[patients and residents / residents]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. To protect people in the community where you live</td>
<td>57%</td>
<td>31%</td>
<td>8%</td>
<td>2%</td>
<td>2%</td>
<td>1%</td>
</tr>
</tbody>
</table>

21. Which of the following sources would you trust to provide you with accurate information about a COVID-19 vaccine? Please select all that apply.

<table>
<thead>
<tr>
<th>RANDOMIZE</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peer-reviewed medical journals (e.g., Journal of the American Medical Association)</td>
<td>74%</td>
</tr>
<tr>
<td>Research studies/literature</td>
<td>70%</td>
</tr>
<tr>
<td>Centers for Disease Control and Prevention (CDC)</td>
<td>63%</td>
</tr>
<tr>
<td>Dr. Anthony Fauci</td>
<td>57%</td>
</tr>
<tr>
<td>Food and Drug Administration (FDA)</td>
<td>49%</td>
</tr>
<tr>
<td>California Department of Public Health</td>
<td>41%</td>
</tr>
</tbody>
</table>

8
22. When a vaccine to prevent COVID-19 is approved by the FDA for the general public, would you recommend the vaccine to your patients [patients and residents / residents] OR probably recommend it [patients and residents / residents], probably not recommend it, or definitely not recommend it to your patients [patients and residents / residents]?

<table>
<thead>
<tr>
<th>Recommendation</th>
<th>Percentage</th>
<th>TOTAL RECOMMEND VACCINE: 91%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Definitely recommend the vaccine</td>
<td>57%</td>
<td></td>
</tr>
<tr>
<td>Probably recommend the vaccine</td>
<td>33%</td>
<td></td>
</tr>
<tr>
<td>Probably not recommend the vaccine</td>
<td>2%</td>
<td>TOTAL NOT RECOMMEND VACCINE: 3%</td>
</tr>
<tr>
<td>Definitely not recommend the vaccine</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Unsure</td>
<td>7%</td>
<td></td>
</tr>
</tbody>
</table>

Responses by subgroup

<table>
<thead>
<tr>
<th>Recommendation</th>
<th>MDs/DOs</th>
<th>NPs/PAs</th>
<th>Nurses</th>
<th>SN/AL/LTC Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Definitely recommend the vaccine</td>
<td>68%</td>
<td>52%</td>
<td>47%</td>
<td>53%</td>
</tr>
<tr>
<td>Probably recommend the vaccine</td>
<td>28%</td>
<td>38%</td>
<td>37%</td>
<td>34%</td>
</tr>
<tr>
<td>Probably not recommend the vaccine</td>
<td>1%</td>
<td>2%</td>
<td>3%</td>
<td>2%</td>
</tr>
<tr>
<td>Definitely not recommend the vaccine</td>
<td>*</td>
<td>1%</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td>Unsure</td>
<td>3%</td>
<td>6%</td>
<td>11%</td>
<td>10%</td>
</tr>
</tbody>
</table>

23. Would you favor or oppose the state of California mandating that all health care providers get a COVID-19 vaccine?

<table>
<thead>
<tr>
<th>Position</th>
<th>Percentage</th>
<th>NET TOTAL FAVOR: 65%</th>
<th>NET TOTAL OPPOSE: 30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly favor</td>
<td>37%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Somewhat favor</td>
<td>28%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Somewhat oppose</td>
<td>15%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strongly oppose</td>
<td>15%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unsure</td>
<td>6%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
24. Would you favor or oppose employers at health care facilities like yours mandating that all health care providers at their facility get a COVID-19 vaccine?

<table>
<thead>
<tr>
<th>NET TOTAL FAVOR:</th>
<th>MDs/DOs</th>
<th>NPs/PAs</th>
<th>Nurses</th>
<th>SN/AL/LTC Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>NET TOTAL OPPOSE:</td>
<td>21</td>
<td>33</td>
<td>41</td>
<td>35</td>
</tr>
</tbody>
</table>

Responses by subgroup

<table>
<thead>
<tr>
<th>Responses</th>
<th>MDs/DOs</th>
<th>NPs/PAs</th>
<th>Nurses</th>
<th>SN/AL/LTC Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly favor</td>
<td>45%</td>
<td>32%</td>
<td>31%</td>
<td>35%</td>
</tr>
<tr>
<td>Somewhat favor</td>
<td>27%</td>
<td>32%</td>
<td>25%</td>
<td>27%</td>
</tr>
<tr>
<td>Somewhat oppose</td>
<td>13%</td>
<td>17%</td>
<td>17%</td>
<td>16%</td>
</tr>
<tr>
<td>Strongly oppose</td>
<td>10%</td>
<td>16%</td>
<td>23%</td>
<td>19%</td>
</tr>
<tr>
<td>Unsure</td>
<td>5%</td>
<td>3%</td>
<td>4%</td>
<td>4%</td>
</tr>
</tbody>
</table>
25. Are you employed by any of the following? (Please select all that apply.) [ALLOW MULTIPLE RESPONSES]

<table>
<thead>
<tr>
<th>Employer Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A private practice or physician-owned practice</td>
<td>27%</td>
</tr>
<tr>
<td>A private medical system or hospital (including a private university-owned system or hospital)</td>
<td>18%</td>
</tr>
<tr>
<td>Medical group–owned practice</td>
<td>14%</td>
</tr>
<tr>
<td>A hospital-owned or hospital-system-owned practice</td>
<td>21%</td>
</tr>
<tr>
<td>Self-employed / own practice</td>
<td>8%</td>
</tr>
<tr>
<td>A city</td>
<td>1%</td>
</tr>
<tr>
<td>A county (including a county-owned hospital)</td>
<td>7%</td>
</tr>
<tr>
<td>A health care district</td>
<td>1%</td>
</tr>
<tr>
<td>The University of California</td>
<td>5%</td>
</tr>
<tr>
<td>The state of California, other than the University of California</td>
<td>3%</td>
</tr>
<tr>
<td>The federal government</td>
<td>3%</td>
</tr>
<tr>
<td>FQHC</td>
<td>5%</td>
</tr>
<tr>
<td>Other (please specify)</td>
<td>6%</td>
</tr>
<tr>
<td>Unsure</td>
<td>2%</td>
</tr>
</tbody>
</table>

26. Approximately how many health care providers are there at the facility where you work most frequently?

<table>
<thead>
<tr>
<th>Provider Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1–5</td>
<td>18%</td>
</tr>
<tr>
<td>6–10</td>
<td>10%</td>
</tr>
<tr>
<td>11–25</td>
<td>11%</td>
</tr>
<tr>
<td>26–50</td>
<td>10%</td>
</tr>
<tr>
<td>51–100</td>
<td>9%</td>
</tr>
<tr>
<td>101–250</td>
<td>10%</td>
</tr>
<tr>
<td>More than 250</td>
<td>31%</td>
</tr>
<tr>
<td>Unsure</td>
<td>2%</td>
</tr>
</tbody>
</table>

27. How frequently do you get a flu shot, if ever?

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Every year</td>
<td>90%</td>
</tr>
<tr>
<td>Most years</td>
<td>4%</td>
</tr>
<tr>
<td>Just some years</td>
<td>3%</td>
</tr>
<tr>
<td>Rarely</td>
<td>2%</td>
</tr>
<tr>
<td>Never</td>
<td>2%</td>
</tr>
<tr>
<td>Unsure</td>
<td>*</td>
</tr>
</tbody>
</table>
28. What percentage of your patient [patient or resident / resident] population would you estimate is patients of color (e.g., Black / African American, Hispanic/Latino/a, Asian / Pacific Islander, or Native American)?

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>10% or less</td>
<td>16</td>
</tr>
<tr>
<td>11%–25%</td>
<td>16</td>
</tr>
<tr>
<td>26%–50%</td>
<td>38</td>
</tr>
<tr>
<td>51%–75%</td>
<td>25</td>
</tr>
<tr>
<td>More than 75%</td>
<td>12</td>
</tr>
<tr>
<td>Unsure</td>
<td>1</td>
</tr>
</tbody>
</table>

NET 25% OR LESS: 24%
NET 51% OR MORE: 37%

29. What is your gender? Are you . . .

<table>
<thead>
<tr>
<th>Gender</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>33%</td>
</tr>
<tr>
<td>Female</td>
<td>66%</td>
</tr>
<tr>
<td>I identify differently</td>
<td>*</td>
</tr>
</tbody>
</table>

30. What is your age? [CODE AS A NUMERIC VALUE]

<table>
<thead>
<tr>
<th>Age Range</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>18–24</td>
<td>*</td>
</tr>
<tr>
<td>25–29</td>
<td>4%</td>
</tr>
<tr>
<td>30–34</td>
<td>12</td>
</tr>
<tr>
<td>35–39</td>
<td>15</td>
</tr>
<tr>
<td>40–44</td>
<td>15</td>
</tr>
<tr>
<td>45–49</td>
<td>13</td>
</tr>
<tr>
<td>50–54</td>
<td>11</td>
</tr>
<tr>
<td>55–59</td>
<td>10</td>
</tr>
<tr>
<td>60–64</td>
<td>9</td>
</tr>
<tr>
<td>65+</td>
<td>10</td>
</tr>
<tr>
<td>Unsure</td>
<td>*</td>
</tr>
</tbody>
</table>
31. And just to make sure we have a representative sample, what is your race or ethnicity? You may select all that apply. [ALLOW MULTIPLE RESPONSES]

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>White/Caucasian</td>
<td>56%</td>
</tr>
<tr>
<td>African American / Black</td>
<td>3%</td>
</tr>
<tr>
<td>Hispanic/Latino/Latina</td>
<td>9%</td>
</tr>
<tr>
<td>East Asian (Chinese, Japanese, Vietnamese, Korean, Taiwanese, etc.)</td>
<td>19%</td>
</tr>
<tr>
<td>South Asian (Indian, Bangladeshi, Pakistani, Nepalese, Sri Lankan, etc.)</td>
<td>6%</td>
</tr>
<tr>
<td>Filipino</td>
<td>6%</td>
</tr>
<tr>
<td>Other Asian (Thai, Cambodian, Laotian, etc.)</td>
<td>1%</td>
</tr>
<tr>
<td>Pacific Islander</td>
<td>1%</td>
</tr>
<tr>
<td>Middle Eastern</td>
<td>2%</td>
</tr>
<tr>
<td>Native American (Apache, Cherokee, Lakota, Navajo, etc.)</td>
<td>1%</td>
</tr>
<tr>
<td>Other: specify ________________</td>
<td>1%</td>
</tr>
<tr>
<td>Unsure</td>
<td>1%</td>
</tr>
</tbody>
</table>

32. Have you ever gotten tested for COVID-19? If you prefer not to say, please indicate that.

<table>
<thead>
<tr>
<th>Response</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>66%</td>
</tr>
<tr>
<td>No</td>
<td>31%</td>
</tr>
<tr>
<td>Prefer not to say</td>
<td>3%</td>
</tr>
<tr>
<td>Unsure</td>
<td>*</td>
</tr>
</tbody>
</table>

[IF Q32 = YES, ASK Q33] (n = 790)

33. And have you ever tested positive for COVID-19? If you prefer not to say, please indicate that.

<table>
<thead>
<tr>
<th>Response</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>7%</td>
</tr>
<tr>
<td>No</td>
<td>92%</td>
</tr>
<tr>
<td>Prefer not to say</td>
<td>1%</td>
</tr>
<tr>
<td>Unsure</td>
<td>*</td>
</tr>
</tbody>
</table>

34. Thank you for your participation. If you had any technical or other issues with the survey, or if there is anything else you would like to add about the topics of the survey, please share with us in the box below. [OPEN-END, INSERT TEXT BOX]

- Nothing to share

Thank you for your participation.
About the Authors

Goodwin Simon Strategic Research (GSSR) is an independent opinion research firm with decades of experience in polling, policy analysis, and communications strategy for clients in the public and private sectors. GSSR’s Partner Amy Simon, Senior Research Director John Whaley, and research analyst Andrea Hackl all contributed their thought leadership to this survey research in collaboration with the California Health Care Foundation.

About the Foundation

The California Health Care Foundation is dedicated to advancing meaningful, measurable improvements in the way the health care delivery system provides care to the people of California, particularly those with low incomes and those whose needs are not well served by the status quo. We work to ensure that people have access to the care they need, when they need it, at a price they can afford.