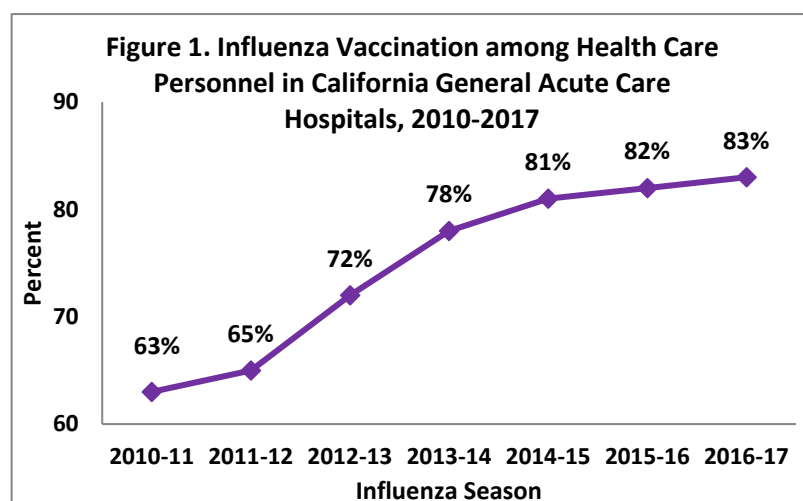


**California Department of Public Health  
Influenza Vaccination Among Health Care Personnel in California Hospitals:  
2016-2017 Influenza Season**

**Executive Summary**

Annual influenza vaccination is a simple, safe, and cost effective way to prevent influenza. California acute care hospitals must offer influenza vaccination at no cost to health care personnel (HCP) and require HCP to receive the annual influenza vaccination or declare in writing that he/she declines vaccination (Health and Safety Code section 1288.7).

This report presents data for the 2016-2017 influenza season, October 1, 2016, through March 31, 2017. Overall, California hospitals reached 83% influenza vaccination among HCP, showing a steady increase since 2010 (Figure 1).



The highest vaccination rates are among employees paid by the hospital (87%) and the lowest are among licensed independent practitioners (67%), a category that includes physicians, advance practice nurses, and physician assistants who are not directly paid by the hospital.

To reach the Healthy People 2020 goal of 90% vaccination, hospitals should have achieved 81%

vaccination coverage in 2016-2017. Almost one-third of California hospitals (119) already achieved 90% vaccination.

Annual influenza vaccination is increasing in 35 counties that require unvaccinated HCP to wear a mask (84%) and 20 counties that do not have such a health order (81%). Twelve California counties remain below 81% vaccination. In response to this report and to identify best practices, CDPH will collaborate with local public health agencies to follow-up with hospitals that had a large increase (>20%) in influenza vaccination compared with last influenza season and hospitals with >90% vaccination rates across all HCP groups. Where vaccination rates remain <81%, we will recommend additional interventions for successful HCP influenza vaccination campaigns.

CDPH encourages all persons 6 months of age or older to receive an annual flu vaccine unless they have certain medical conditions that prevent them from getting vaccinated. We recommend that the members of the public discuss influenza vaccination with their doctors or other HCP and ask about who in their families should receive the influenza vaccination. We suggest that patients ask if their doctors and other HCP have, themselves, been vaccinated.

## Annual Report

### Background

Influenza viruses circulate widely each year and often cause serious illness and death, particularly among older adults, very young children, pregnant women, and those with certain chronic medical conditions. In the United States, 12,000-56,000 influenza-associated deaths occur annually and 140,000-710,000 people are hospitalized for respiratory illnesses and heart conditions associated with seasonal influenza infections [1]. Annual influenza vaccination is a simple, safe, and cost effective way to prevent influenza [2].

Preventing influenza among HCP provides added protection to patients most at risk for influenza complications. Vaccination of HCP can specifically benefit:

- patients who cannot receive vaccination, such as infants less than 6 months old and those with severe allergic reactions to prior influenza vaccination;
- patients who respond poorly to vaccination, such as persons 85 years or older and immune-compromised persons; and
- patients for whom antiviral treatment is not available, such as persons with medical contraindications.

Influenza outbreaks in hospitals and long-term care facilities have been associated with low vaccination rates among HCP [1].

A hospital's annual HCP influenza vaccination rate is a quality performance indicator of patient safety [3, 4]. In 2015, the CDPH Healthcare-Associated Infections (HAI) Advisory Committee recommended that all California hospitals achieve the national Healthy People 2020 goal of 90% HCP influenza vaccination [5]. Hospitals that achieved the Healthy People 2010 goal of 60% vaccination need to increase their annual vaccination percentage by at least 3% per year to reach 90% by 2020. In 2016-2017, hospitals should have achieved at least 81% vaccination coverage to demonstrate sufficient incremental progress to reach 90% by 2020.

### Methods

This report presents data for the 2016-2017 influenza season, October 1, 2016, through March 31, 2017. State law requires California acute care hospitals to offer influenza vaccination at no cost to HCP and requires HCP to receive the annual influenza vaccination or declare in writing that he/she declines vaccination (Health and Safety Code section 1288.7). Hospitals collect data for all HCP physically working in the facility for one or more days during influenza season. Hospitals track HCP vaccination using the National Healthcare Safety Network (NHSN) protocols and report data using the NHSN secure, web-based system [6]. Hospitals provide rights to the California Department of Public Health (CDPH) to receive, analyze, and publish the data. CDPH is required to publish annual HCP vaccination rates within six months of receiving the data (Health and Safety Code section 1288.8).

The term HCP refers to all paid and unpaid persons working in health care settings who have the potential to be exposed to patients or infectious materials (from body fluids or contaminated medical equipment, surfaces, or air) and have the potential to transmit influenza to and from other HCP and

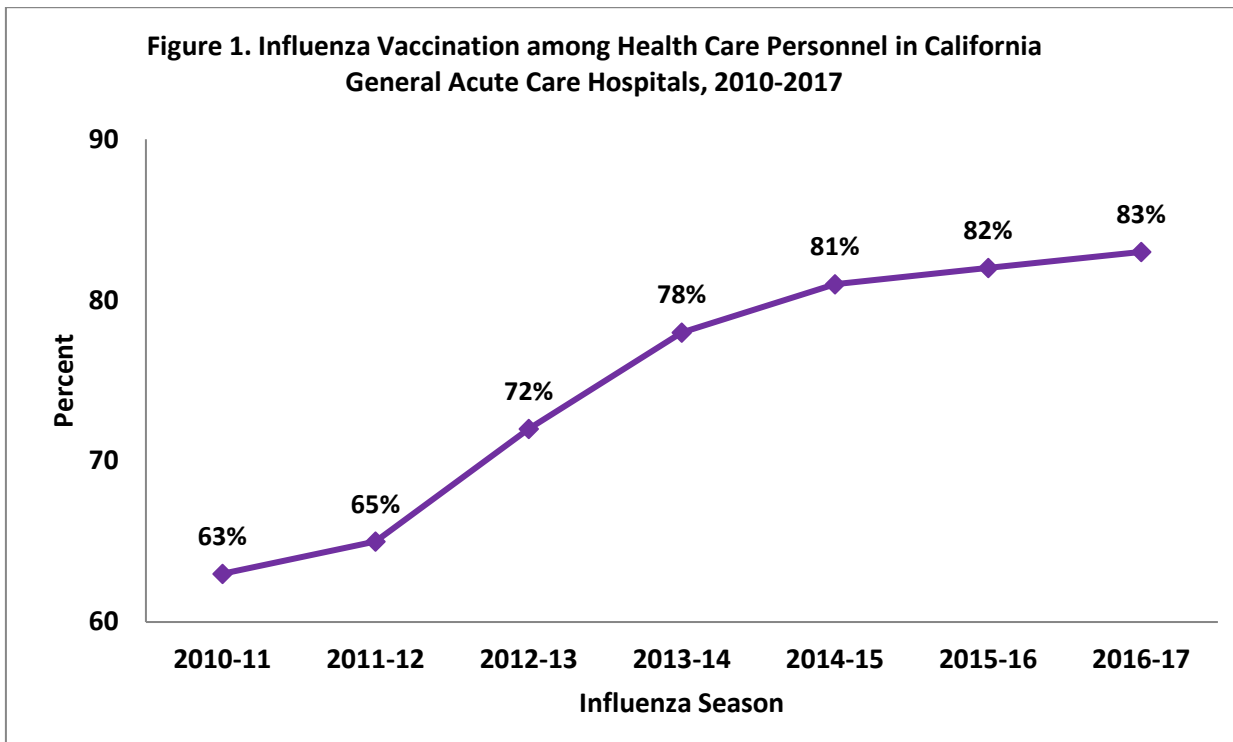
patients. HCP are direct care providers (e.g., physicians, nurses, nursing assistants, therapists, technicians, emergency medical service personnel, pharmacists, laboratory personnel) as well as persons not directly involved in patient care (e.g., clerical, dietary, housekeeping, laundry, security, maintenance, administrative, billing). HCP include employees paid by the health care facility and other professional, contract, and other staff not directly paid by the health care facility [1]. CDPH reports data separately for hospital employees, licensed independent practitioners, contract personnel, and students, trainees, and volunteers.

In 2016-2017, 389 (98%) hospitals complied with influenza vaccination reporting requirements. The CDPH Licensing and Certification Program cites hospitals with incomplete reporting and requires a plan of correction to address the deficiency. Six hospitals did not report:

- Healthbridge Children's Hospital, Orange County
- Shriners Hospitals for Children, Los Angeles County
- Sonoma Developmental Center, Sonoma County
- St. Helena Hospital Clearlake, Lake County
- Surprise Valley Community Hospital, Modoc County (also did not report in 2015-2016)
- Ventura County Medical Center Santa Paula Hospital, Ventura County

### Key Findings

Influenza vaccination among HCP in California hospitals is steadily increasing, from approximately 63% in 2010-2011 to 83% in 2016-2017 (Figure 1). Among approximately 928,000 HCP working during influenza season, approximately 770,000 HCP in California hospitals are receiving annual influenza vaccination.



## Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

Overall, California hospitals achieved the HCP influenza vaccination Healthy People 2010 goal (60% vaccinated). To stay on track to reach the Healthy People 2020 goal (90% vaccinated), statewide vaccination must increase by 3% each year for the next three influenza seasons. Currently, the overall rate is increasing approximately 1% per year since the 2014-2015 influenza season.

In 2016-2017, 242 (62%) hospitals reported vaccination rates 81% or greater and appear to be on track to achieve the 90% goal by 2020 (**Table 1**, page 9). The following 21 hospitals reported increases of 20% or greater in overall HCP influenza vaccination rates compared with their reported rates in 2015-2016:

### Kern County

- San Joaquin Community Hospital

### Los Angeles County

- Citrus Valley Medical Center, QV Campus
- College Medical Center
- Foothill Presbyterian Hospital Johnston Memorial
- Lakewood Regional Medical Center
- Providence Little Company of Mary Medical Center, Torrance
- Providence Little Company of Mary Medical Center, San Pedro
- Providence Saint John's Health Center
- Providence Tarzana Medical Center
- Southern California Hospital at Culver City
- Southern California Hospital at Hollywood

### Mendocino County

- Frank R. Howard Memorial Hospital
- Ukiah Valley Medical Center

### Orange County

- Chapman Global Medical Center

### Riverside County

- Hemet Valley Medical Center

### San Bernardino County

- Kindred Hospital Rancho

### San Luis Obispo County

- French Hospital Medical Center
- Marian Regional Medical Center, Arroyo Grande

### Santa Clara County

- Good Samaritan Hospital San Jose

### Tulare County

- Kaweah Delta Medical Center

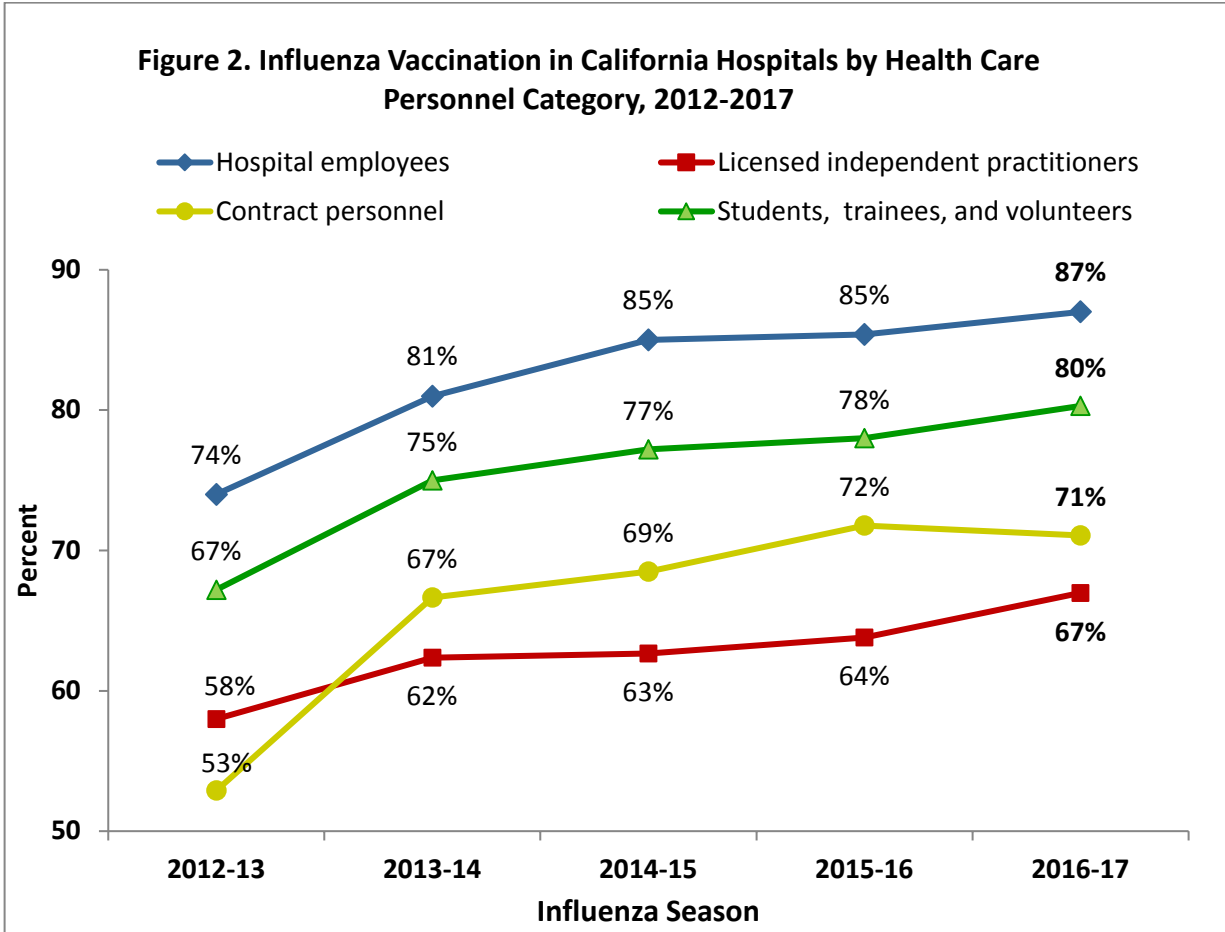
### Ventura County

- St. John's Pleasant Valley Hospital

## Influenza Vaccination by HCP Category

During the past five years, influenza vaccination rates increased among all HCP types, including hospital employees (13%), contract personnel (13%), and students, trainees, and volunteers (18%). The smallest increase in vaccination rates is among licensed independent practitioners (9%), a category that includes physicians, physician assistants, and advance practice nurses who do not receive paychecks directly from the hospital (Figure 2).

In 2016-2017, 307 (79%) hospitals reported at least 81% vaccination among hospital employees, but only 61 (16%) hospitals achieved 81% vaccination among HCP in all four categories. In 159 (41%) hospitals, employee influenza vaccination rates are more than 20% higher than licensed independent practitioner rates (**Table 2**, page 21).



Influenza Vaccination by County

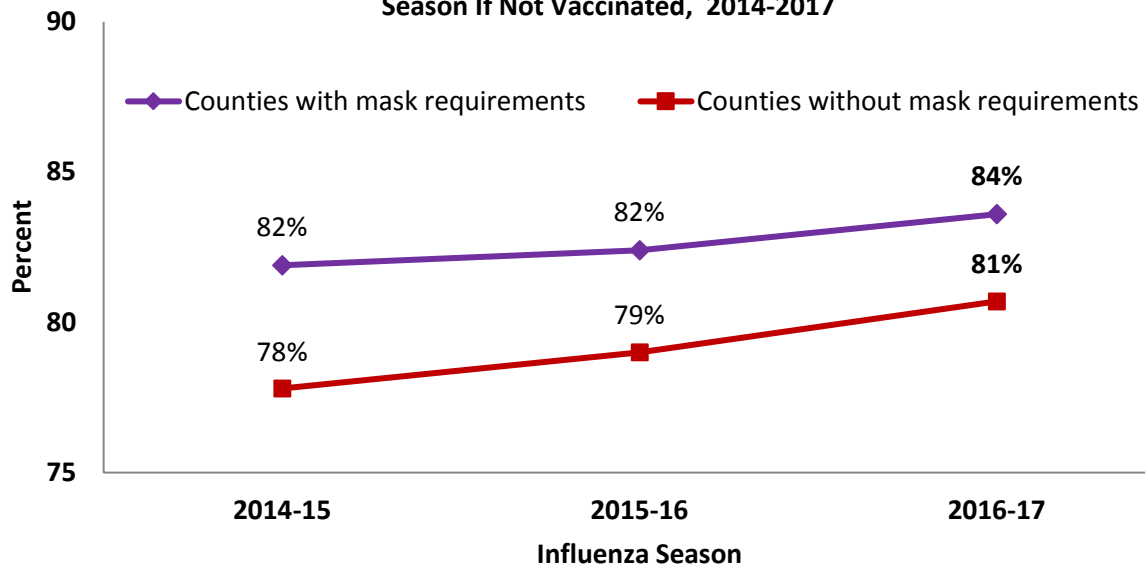
Thirty-five local public health departments issue health orders for their jurisdictions that require HCP who decline vaccination to wear surgical masks during influenza season. Twenty counties do not issue such health orders. Three counties, Alpine, Colusa, and Sierra, are excluded from this report because they do not have acute care hospitals in operation.

Over the past three influenza seasons, vaccination increased in both counties that require a mask for unvaccinated HCP (2% increase) and counties that do not require masks (3% increase). HCP influenza vaccination coverage continues to be higher in counties with a mask requirement (84%) compared with counties without a mask requirement (81%) (Figure 3).

Twenty-eight (80%) counties with mandatory masking orders achieved HCP influenza vaccination of 81% and are on track to meet the Healthy People 2020 goal compared with 14 (70%) counties that do not have such a health order (Table 3, page 33). Twelve counties are below 81% HCP influenza vaccination:

- Butte, 77%
- Kern, 70%
- Lake, 79%
- Los Angeles, 80%
- Napa, 76%
- Riverside, 75%
- San Benito, 75%
- San Francisco, 78%
- Sonoma, 79%
- Stanislaus, 75%
- Sutter, 79%
- Ventura, 71%

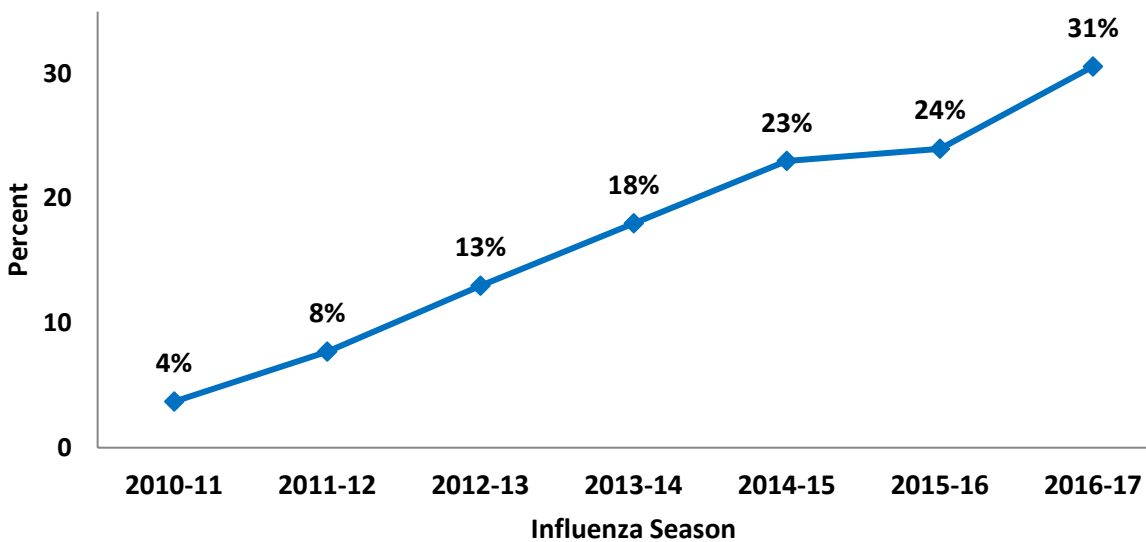
**Figure 3. California Hospital Health Care Personnel Influenza Vaccination Rates in Counties With and Without Requirements to Wear Mask During Influenza Season If Not Vaccinated, 2014-2017**



Influenza Vaccination by Healthy People 2020 Goal Achievement

Increasingly, hospitals are already achieving the Healthy People 2020 goal of 90% HCP influenza vaccination, (Figure 4).

**Figure 4. Proportion of California Hospitals That Achieved 90% Influenza Vaccination Among Health Care Personnel, 2010-2017**



## Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

In 2016-2017, 119 (31%) hospitals reported an overall HCP influenza vaccination rate of 90% or higher (**Table 2**, page 21). Twenty-three (6%) hospitals reported 90% vaccination for all four HCP groups: hospital employees; licensed independent practitioners; contract personnel; and students, trainees, and volunteers:

### Inyo County

- Northern Inyo Hospital

### Los Angeles County

- Kaiser Foundation Hospital, South Bay
- Kaiser Foundation Hospital, West LA
- Kaiser Foundation Hospital, Woodland Hills
- Keck Hospital of USC
- Torrance Memorial Medical Center
- USC Kenneth Norris Jr. Cancer Hospital
- Verdugo Hills Hospital

### Madera County

- Valley Children's Hospital

### Marin County

- Kaiser Foundation Hospital, San Rafael

### Mendocino County

- Mendocino Coast District Hospital

### Orange County

- Anaheim Global Medical Center
- University of California Irvine Medical Center

### Plumas County

- Seneca District Hospital

### Riverside County

- Kaiser Foundation Hospital, Moreno Valley

### San Diego County

- Kaiser Foundation Hospital, San Diego
- Rady Children's Hospital, San Diego

### Santa Clara County

- Stanford Health Care

### Santa Cruz County

- Dominican Hospital

### Shasta County

- Shasta Regional Medical Center
- Vibra Hospital of Northern California

### Tehama County

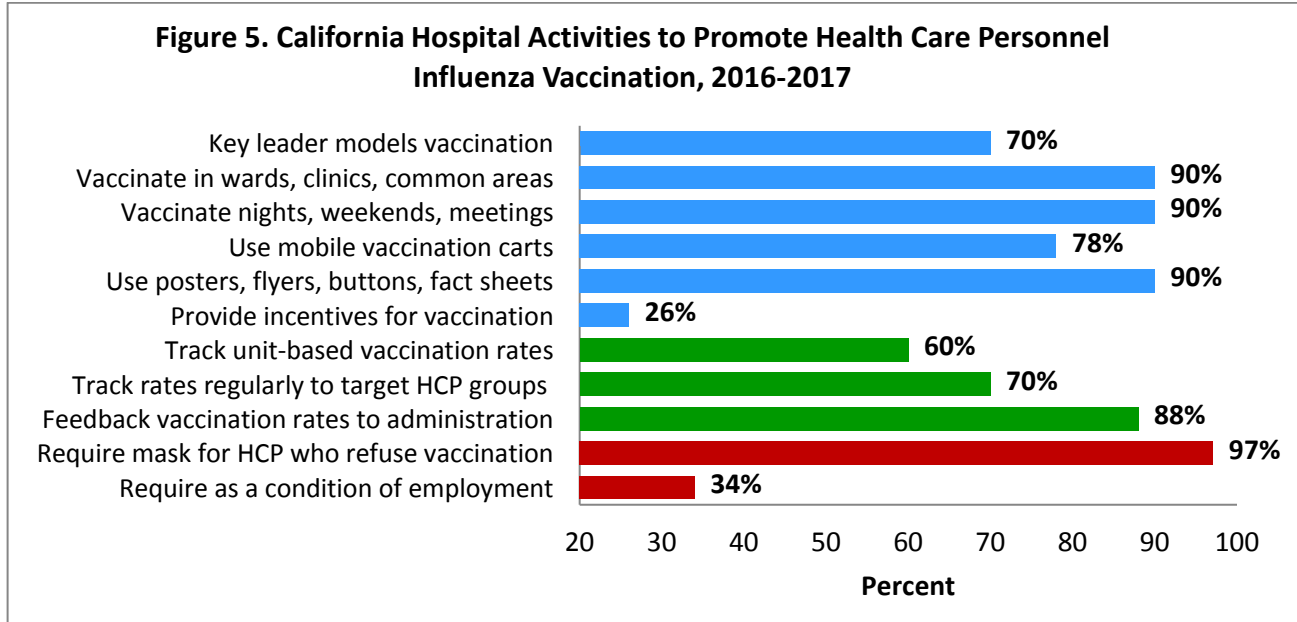
- St. Elizabeth Community Hospital

### Tulare County

- Kaweah Delta Medical Center

Influenza Vaccination Campaign Strategies

California hospitals report multiple approaches to achieve annual HCP influenza vaccination coverage (Figure 5).



Activities include promoting vaccination and providing easy access (blue), tracking and using vaccination data (green), and implementing administrative requirements (red).

**Actions and Recommendations**

In response to this report, CDPH will collaborate with local public health agencies to:

- Follow-up with the 21 hospitals that reported more than a 20% increase in HCP influenza vaccination since the previous influenza season to assess how they achieved more widespread vaccination coverage and identify best practices to share with hospitals that remain at lower levels of vaccination coverage.
- Follow-up with the 23 hospitals that reported 90% or higher influenza vaccination rates across all four HCP groups (i.e., hospital employees; licensed independent practitioners; contract staff; and students, trainees, and volunteers) to identify best practices that we can share with hospitals struggling to achieve better vaccination coverage among one or more of the HCP types.
- Review which hospitals in each jurisdiction have vaccination rates less than 81% and identify which should be targeted for local public health intervention, such as reviewing and recommending vaccination campaign strategies and assessing adherence to mandatory masking health orders.
- Analyze influenza vaccination campaign activities data to identify characteristics of hospitals with both high and low HCP influenza vaccination rates.

To improve vaccination, CDPH recommends that hospitals assess their adoption of recommendations for successful HCP influenza campaigns [7-9]. Hospitals with less than 81% HCP influenza vaccination and those making less than 3% progress each year should evaluate their strategies and implement additional interventions. For the 159 hospitals with influenza vaccination rates more than 20% lower



among licensed independent practitioners than among hospital employees, we recommend a new approach that should begin with providing feedback of vaccination rates to and convening discussions with hospital medical directors and nurse leaders. We suggest enhancing activities for promoting vaccination and increasing access, using vaccination data to assess progress and target HCP groups, implementing and enforcing administrative requirements, and using available promotional materials and toolkits [10].

CDPH recommends that all HCP promote patient safety and the health of the public by taking appropriate measures, including annual vaccination, to prevent the spread of influenza infections in health care settings. Health professional societies suggest that annual influenza vaccination should be considered a professional responsibility of HCP. The American Medical Association notes in its Code of Medical Ethics, “physicians have an obligation to accept immunization in the absence of a recognized medical, religious, or philosophic reason not to be immunized.” The American Nurses Association notes that its members have a “professional and ethical obligation” to protect themselves and their patients and asks members to take a formal pledge that includes committing to stay “up-to-date on immunizations, including seasonal influenza” [4].

CDPH recommends that the public:

- Discuss the risk of influenza for themselves and their families with their doctor or other HCP.
- Ask your doctor or anyone else providing care for you if he/she has received the annual influenza vaccination.
- When visiting a hospital or other health care facility, find out what other strategies are being used to keep patients safe from influenza, such as restricting visitation when influenza is circulating in the community and practicing respiratory etiquette by asking patients to cover their cough and wear a mask if requested by a HCP.
- Receive the annual influenza vaccination, which is recommended for all persons 6 months of age and older who do not have certain medical conditions that would not allow them to get the vaccine. Check with your physician or other HCP if you have questions about whether you or your family members should receive the influenza vaccine.

**Tables**

Table 1. Influenza Vaccination Rates among Health Care Personnel in California General Acute Care Hospitals, 2016-2017, and Side-by-Side Comparisons with Past Two Influenza Seasons

County Hospital	On Track to Achieve 90% by 2020 (Currently >81%)	Vaccination Rate %		
		2016-17	2015-16	2014-15
<b>Alameda</b>				
Alameda Hospital	No	75	82	75
Alta Bates Summit Medical Center	Yes	83	86	87
Alta Bates Summit Medical Center, Alta Bates Campus	Yes	87	88	91
Children's Hospital & Research Center, Oakland	Yes	91	90	91
Eden Medical Center	Yes	91	90	91

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate %		
		2016-17	2015-16	2014-15
Highland Hospital	No	80	83	76
Kaiser Foundation Hospital, Fremont	Yes	92	DNR	92
Kaiser Foundation Hospital, Oakland/Richmond	Yes	82	87	88
Kaiser Foundation Hospital, San Leandro	Yes	92	91	89
Kindred Hospital, San Francisco Bay Area	Yes	88	72	85
San Leandro Hospital	Yes	84	83	92
St Rose Hospital	Yes	92	92	94
Valleycare Medical Center	Yes	96	95	95
Washington Hospital	Yes	91	92	78
<b>Amador</b>				
Sutter Amador Hospital	Yes	86	90	96
<b>Butte</b>				
Enloe Medical Center, Esplanade	No	79	80	74
Enloe Rehabilitation Center	Yes	86	89	81
Feather River Hospital	No	80	79	84
Orchard Hospital	Yes	92	89	91
Oroville Hospital	No	66	78	95
<b>Calaveras</b>				
Mark Twain Medical Center	Yes	98	92	96
<b>Contra Costa</b>				
Contra Costa Regional Medical Center	Yes	85	85	84
John Muir Medical Center, Concord Campus	No	77	74	80
John Muir Medical Center, Walnut Creek Campus	No	78	80	82
Kaiser Foundation Hospital, Antioch	Yes	87	87	91
Kaiser Foundation Hospital, Walnut Creek	Yes	87	87	90
San Ramon Regional Medical Center	No	77	87	92
Sutter Delta Medical Center	Yes	88	89	97
<b>Del Norte</b>				
Sutter Coast Hospital	Yes	89	86	83
<b>El Dorado</b>				
Barton Memorial Hospital	Yes	89	87	90
Marshall Medical Center	Yes	89	88	87
<b>Fresno</b>				
Adventist Medical Center, Reedley	Yes	92	92	89
Adventist Medical Center, Selma	Yes	93	92	88
Clovis Community Medical Center	Yes	87	89	82
Coalinga Regional Medical Center	Yes	92	95	92
Community Regional Medical Center	Yes	88	89	84
Fresno Heart and Surgical Hospital	Yes	85	90	79
Fresno Surgical Hospital	Yes	88	85	89
Kaiser Foundation Hospital, Fresno	Yes	86	88	88

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate %		
		2016-17	2015-16	2014-15
Saint Agnes Medical Center	Yes	86	90	86
San Joaquin Valley Rehabilitation Hospital	Yes	97	98	95
<b>Glenn</b>				
Glenn Medical Center	Yes	84	DNR	61
<b>Humboldt</b>				
Jerold Phelps Community Hospital	No	77	72	78
Mad River Community Hospital	No	75	59	71
Redwood Memorial Hospital	Yes	91	89	91
St. Joseph Hospital, Eureka	Yes	91	82	84
Humboldt General Hospital	Yes	87	88	88
<b>Imperial</b>				
El Centro Regional Medical Center	No	80	81	74
Pioneers Memorial Healthcare District	No	79	65	66
<b>Inyo</b>				
Northern Inyo Hospital	Yes	96	96	95
Southern Inyo Hospital	No	65	DNR	DNR
<b>Kern</b>				
Bakersfield Heart Hospital	Yes	81	88	84
Bakersfield Memorial Hospital	No	62	75	52
Delano Regional Medical Center	Yes	86	77	80
Good Samaritan Hospital, Bakersfield	No	78	85	81
HealthSouth Bakersfield Rehabilitation Hospital	No	74	74	63
Kern Medical Center	No	65	61	76
Kern Valley Healthcare District	No	72	71	77
Mercy Hospital	No	54	70	39
Mercy Southwest Hospital	No	52	67	46
Ridgecrest Regional Hospital	Yes	90	85	84
San Joaquin Community Hospital	No	78	50	55
Tehachapi Hospital	Yes	82	84	77
<b>Kings</b>				
Adventist Medical Center	Yes	91	91	86
<b>Lake</b>				
Sutter Lakeside Hospital	No	79	DNR	91
<b>Lassen</b>				
Banner Lassen Medical Center	Yes	84	99	88
<b>Los Angeles</b>				
Alhambra Hospital Medical Center	No	71	70	76
Antelope Valley Hospital	No	63	70	67
Barlow Respiratory Hospital	No	72	68	78
Beverly Hospital	No	69	76	74
California Hospital Medical Center, Los Angeles	Yes	90	84	91

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate %		
			2016-17	2015-16	2014-15
	Casa Colina Hospital and Centers for Healthcare	No	78	68	58
	Catalina Island Medical Center	No	74	74	82
	Cedars-Sinai Medical Center	Yes	90	92	93
	Centinela Hospital Medical Center	Yes	84	85	72
	Children's Hospital Los Angeles	Yes	92	94	93
	Citrus Valley Medical Center, IC Campus	No	74	63	60
	Citrus Valley Medical Center, QV Campus	No	77	56	.
	City of Hope Helford Clinical Research Hospital	No	71	83	81
	Coast Plaza Hospital	Yes	92	91	92
	College Medical Center	No	74	47	68
	Community Hospital Long Beach	No	74	76	78
	Community Hospital of Huntington Park	No	73	63	62
	Earl & Loraine Miller Children's Hospital	Yes	96	96	85
	East Los Angeles Doctors Hospital	No	68	59	64
	Encino Hospital Medical Center	Yes	87	86	92
	Foothill Presbyterian Hospital-Johnston Memorial	No	71	46	61
	Garfield Medical Center	Yes	81	80	82
	Glendale Adventist Medical Center	Yes	82	78	74
	Glendale Memorial Hospital and Health Center	Yes	83	79	79
	Glendora Community Hospital	No	78	79	52
	Good Samaritan Hospital, Los Angeles	Yes	83	76	66
	Greater El Monte Community Hospital	Yes	83	80	89
	Henry Mayo Newhall Hospital	No	78	78	80
	Hollywood Presbyterian Medical Center	No	73	67	65
	Huntington Memorial Hospital	No	76	72	76
	Kaiser Foundation Hospital, Baldwin Park	Yes	95	96	96
	Kaiser Foundation Hospital, Downey	Yes	92	92	92
	Kaiser Foundation Hospital, Los Angeles	Yes	90	90	85
	Kaiser Foundation Hospital, Panorama City	Yes	94	94	93
	Kaiser Foundation Hospital, South Bay	Yes	96	95	94
	Kaiser Foundation Hospital, West LA	Yes	93	93	91
	Kaiser Foundation Hospital, Woodland Hills	Yes	94	95	92
	Keck Hospital of USC	Yes	95	87	85
	Kindred Hospital, Baldwin Park	No	60	60	66
	Kindred Hospital, La Mirada	Yes	82	63	70
	Kindred Hospital, Los Angeles	No	62	72	78
	Kindred Hospital, San Gabriel Valley	No	51	63	69
	Kindred Hospital, South Bay, Gardena	No	75	73	54
	LAC+USC Medical Center	No	61	58	57
	LAC/Harbor-UCLA Medical Center	No	72	74	73
	LAC/Olive View-UCLA Medical Center	No	55	59	64

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Hospital	On Track to Achieve 90% by 2020 (Currently $\geq$ 81%)	Vaccination Rate $\%$		
			2016-17	2015-16	2014-15
	LAC/Rancho Los Amigos National Rehabilitation Center	No	64	60	62
	Lakewood Regional Medical Center	Yes	90	71	46
	Long Beach Memorial Medical Center	Yes	90	95	84
	Los Angeles Community Hospital	No	60	61	74
	Marina Del Rey Hospital	Yes	91	92	67
	Martin Luther King, Jr. Community Hospital	Yes	84	.	.
	Memorial Hospital of Gardena	No	71	57	83
	Methodist Hospital of Southern California	Yes	86	82	89
	Miracle Mile Medical Center	Yes	97	90	76
	Mission Community Hospital	No	65	50	39
	Monrovia Memorial Hospital	No	37	34	42
	Monterey Park Hospital	Yes	82	77	80
	Northridge Hospital Medical Center	Yes	84	76	73
	Olympia Medical Center	No	80	81	54
	PIH Hospital, Downey	No	77	77	80
	Pacific Alliance Medical Center	Yes	89	92	88
	Pacifica Hospital of the Valley	No	74	73	74
	Palmdale Regional Medical Center	No	71	65	64
	Pomona Valley Hospital Medical Center	Yes	90	88	89
	Presbyterian Intercommunity Hospital	Yes	84	88	89
	Promise Hospital of East Los Angeles, East L.A Campus	No	75	61	57
	Promise Hospital of East Los Angeles, Suburban Campus	No	78	68	66
	Providence Holy Cross Medical Center	No	80	66	78
	Providence Little Company of Mary Medical Center, San Pedro	No	77	54	63
	Providence Little Company of Mary Medical Center, Torrance	No	80	56	77
	Providence Saint John's Health Center	No	80	57	70
	Providence Saint Joseph Medical Center	No	79	64	73
	Providence Tarzana Medical Center	Yes	82	57	67
	Ronald Reagan UCLA Medical Center	No	67	83	82
	Saint Francis Medical Center	No	71	81	72
	Saint Vincent Medical Center	No	64	78	74
	San Dimas Community Hospital	Yes	90	85	87
	San Gabriel Valley Medical Center	No	79	85	85
	Santa Monica UCLA Medical Center and Orthopaedic Hospital	No	80	87	87
	Sherman Oaks Hospital	Yes	84	80	69
	Silver Lake Medical Center	No	68	70	84
	Southern California Hospital at Culver City	Yes	84	38	60

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate %		
			2016-17	2015-16	2014-15
<b>Southern California</b>					
	Southern California Hospital at Hollywood	Yes	92	54	67
	St. Mary Medical Center, Long Beach	No	73	72	75
	Torrance Memorial Medical Center	Yes	95	94	88
	USC Kenneth Norris Jr. Cancer Hospital	Yes	97	86	79
	Valley Presbyterian Hospital	No	73	66	62
	Verdugo Hills Hospital	Yes	97	85	76
	West Covina Medical Center	Yes	89	79	75
	West Hills Hospital & Medical Center	No	79	79	86
	White Memorial Medical Center	No	57	63	56
	Whittier Hospital Medical Center	Yes	94	94	90
<b>Madera</b>					
	Madera Community Hospital	Yes	85	86	90
	Valley Children's Hospital	Yes	99	97	95
<b>Marin</b>					
	Kaiser Foundation Hospital, San Rafael	Yes	93	92	92
	Kentfield Rehabilitation & Specialty Hospital	Yes	98	83	87
	Marin General Hospital	Yes	89	95	80
	Novato Community Hospital	Yes	92	90	83
<b>Mariposa</b>					
	John C. Fremont Healthcare District	Yes	84	79	81
<b>Mendocino</b>					
	Frank R. Howard Memorial Hospital	Yes	83	45	55
	Mendocino Coast District Hospital	Yes	97	84	73
	Ukiah Valley Medical Center	Yes	86	60	55
<b>Merced</b>					
	Memorial Hospital Los Banos	Yes	92	91	91
	Mercy Medical Center	Yes	90	93	76
<b>Modoc</b>					
	Modoc Medical Center	Yes	82	93	94
<b>Mono</b>					
	Mammoth Hospital	Yes	90	90	91
<b>Monterey</b>					
	Community Hospital of The Monterey Peninsula	Yes	85	85	95
	George L. Mee Memorial Hospital	Yes	89	89	93
	Natividad Medical Center	No	75	64	76
	Salinas Valley Memorial Hospital	Yes	86	86	84
<b>Napa</b>					
	Queen of the Valley Medical Center	Yes	83	86	84
	St. Helena Hospital	No	67	65	76
<b>Nevada</b>					
	Sierra Nevada Memorial Hospital	No	80	89	85

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate %		
		2016-17	2015-16	2014-15
Tahoe Forest Hospital	Yes	89	89	80
<b>Orange</b>				
AHMC Anaheim Regional Medical Center	No	56	78	60
Anaheim Global Medical Center	Yes	94	81	70
Chapman Global Medical Center	No	72	48	93
Children's Hospital at Mission	Yes	94	94	92
Children's Hospital of Orange County	Yes	97	96	95
College Hospital Costa Mesa	Yes	89	87	78
Fairview Developmental Center	No	78	80	65
Foothill Regional Medical Center	No	69	.	.
Fountain Valley Regional Hospital & Medical Center	No	44	40	65
Garden Grove Hospital and Medical Center	Yes	91	90	89
HealthSouth Tustin Rehabilitation Hospital	No	79	85	71
Hoag Hospital Irvine	Yes	89	89	77
Hoag Memorial Hospital Presbyterian	Yes	92	92	84
Hoag Orthopedic Institute	Yes	92	92	93
Huntington Beach Hospital	No	77	73	70
Kaiser Foundation Hospital, Orange County, Anaheim	Yes	90	86	75
Kaiser Foundation Hospital, Orange County, Irvine	Yes	90	87	73
Kindred Hospital, Brea	Yes	87	80	61
Kindred Hospital, Santa Ana	No	79	77	83
Kindred Hospital, Westminster	No	54	66	39
La Palma Intercommunity Hospital	Yes	83	82	85
Los Alamitos Medical Center	Yes	89	91	89
Mission Hospital Laguna Beach	Yes	85	69	75
Mission Hospital Regional Medical Center	Yes	88	82	76
Orange Coast Memorial Medical Center	Yes	85	67	77
Orange County Global Medical Center	No	76	84	73
Placentia Linda Hospital	Yes	91	78	69
Saddleback Memorial Medical Center	Yes	82	83	93
South Coast Global Medical Center	No	54	83	79
St. Joseph Hospital, Orange	No	69	79	75
St. Jude Medical Center	No	79	81	83
University of California Irvine Medical Center	Yes	96	96	97
West Anaheim Medical Center	No	72	86	86
<b>Placer</b>				
Kaiser Foundation Hospital, Roseville	Yes	85	86	88
Sutter Auburn Faith Hospital	Yes	84	87	90
Sutter Roseville Medical Center	No	78	73	82
<b>Plumas</b>				



Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	On Track to Achieve 90% by 2020 (Currently $\geq$ 81%)	Vaccination Rate $\forall$ (%)		
		2016-17	2015-16	2014-15
Eastern Plumas Hospital, Portola Campus	Yes	85	86	91
Plumas District Hospital	Yes	87	91	82
Seneca District Hospital	Yes	93	95	95
<b>Riverside</b>				
Corona Regional Medical Center	No	72	62	66
Desert Regional Medical Center	No	67	85	83
Eisenhower Medical Center	No	79	79	77
Hemet Valley Medical Center	Yes	81	54	58
John F. Kennedy Memorial Hospital	Yes	91	86	82.
Kaiser Foundation Hospital, Moreno Valley	Yes	92	92	87
Kaiser Foundation Hospital, Riverside	Yes	89	90	79
Kindred Hospital, Riverside	No	70	50	54
Loma Linda University Medical Center, Murrieta	No	66	55	56
Menifee Valley Medical Center	No	67	60	47
Palo Verde Hospital	No	50	58	59
Parkview Community Hospital Medical Center	No	75	74	64
Riverside Community Hospital	No	59	80	69
Riverside County Regional Medical Center	No	77	77	74
San Geronio Memorial Hospital	No	78	66	68
Southwest Healthcare System, Murrieta	No	76	74	50
Southwest Healthcare System, Wildomar	No	74	74	52
Temecula Valley Hospital	Yes	90	80	62
<b>Sacramento</b>				
Kaiser Foundation Hospital, Sacramento	Yes	83	83	84
Kaiser Foundation Hospital, South Sacramento	Yes	85	86	88
Mercy General Hospital	Yes	93	88	73
Mercy Hospital of Folsom	Yes	89	82	65
Mercy San Juan Medical Center	Yes	82	74	73
Methodist Hospital of Sacramento	No	79	84	67
Shriners Hospitals for Children Northern California	Yes	96	95	96
Sutter Medical Center, Sacramento	Yes	81	92	85
University of California Davis Medical Center	Yes	91	91	93
Vibra Hospital of Sacramento	Yes	84	90	94
<b>San Benito</b>				
Hazel Hawkins Memorial Hospital	No	75	81	85
<b>San Bernardino</b>				
Arrowhead Regional Medical Center	Yes	89	77	73
Ballard Rehabilitation Hospital	Yes	89	92	92
Barstow Community Hospital	Yes	89	86	74
Bear Valley Community Hospital	Yes	87	92	72
Chino Valley Medical Center	Yes	82	81	84



Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate %		
			2016-17	2015-16	2014-15
	Colorado River Medical Center	No	50	54	50
	Community Hospital of San Bernardino	No	68	72	71
	Desert Valley Hospital	Yes	83	77	83
	Hi-Desert Medical Center	Yes	98	81	77
	Kaiser Foundation Hospital, Fontana	Yes	92	92	92
	Kaiser Foundation Hospital, Ontario	Yes	91	90	92
	Kindred Hospital, Ontario	No	78	70	81
	Kindred Hospital, Rancho	Yes	91	69	86
	Loma Linda University Children's Hospital	Yes	88	83	92
	Loma Linda University Heart and Surgical Hospital	Yes	83	76	.
	Loma Linda University Medical Center	Yes	84	79	82
	Loma Linda University Medical Center, East Campus Hospital	Yes	84	.	.
	Montclair Hospital Medical Center	No	72	84	76
	Mountains Community Hospital	No	81	76	DNR
	Redlands Community Hospital	Yes	91	92	93
	San Antonio Regional Hospital	Yes	83	85	80
	St. Bernardine Medical Center	No	77	81	83
	St. Mary Medical Center, Apple Valley	Yes	86	86	78
	Victor Valley Global Medical Center	No	68	67	59
<b>San Diego</b>					
	Alvarado Hospital Medical Center	No	77	79	88
	Grossmont Hospital	Yes	89	90	91
	Kaiser Foundation Hospital, San Diego	Yes	94	92	91
	Kindred Hospital, San Diego	No	79	71	68
	Palomar Health Downtown Campus	Yes	90	86	74
	Palomar Medical Center	Yes	92	92	77
	Paradise Valley Hospital	No	79	79	75
	Pomerado Hospital	Yes	92	95	63
	Rady Children's Hospital, San Diego	Yes	100	99	99
	Scripps Green Hospital	Yes	88	82	83
	Scripps Memorial Hospital, Encinitas	Yes	91	88	76
	Scripps Memorial Hospital, La Jolla	Yes	90	79	81
	Scripps Mercy Hospital	Yes	91	90	81
	Scripps Mercy Hospital Chula Vista	Yes	91	84	77
	Sharp Chula Vista Medical Center	Yes	88	88	94
	Sharp Coronado Hospital and Healthcare Center	Yes	87	86	85
	Sharp Mary Birch Hospital For Women And Newborns	Yes	92	93	95
	Sharp Memorial Hospital	Yes	90	91	92
	Tri-City Medical Center	Yes	90	88	80

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate %		
		2016-17	2015-16	2014-15
University of California, San Diego Medical Center	Yes	90	77	87
Vibra Hospital of San Diego	Yes	83	78	93
<b>San Francisco</b>				
California Pacific Medical Center, West Campus Hospital	No	60	87	88
California Pacific Medical Center, Davies Campus Hospital	No	59	88	89
California Pacific Medical Center, Pacific Campus Hospital	No	69	87	89
California Pacific Medical Center, St. Luke's Campus Hospital	No	75	94	85
Chinese Hospital	No	63	74	62
Kaiser Foundation Hospital, San Francisco	Yes	85	84	82
Laguna Honda Hospital & Rehabilitation Center	Yes	93	93	90
Saint Francis Memorial Hospital	Yes	86	91	96
San Francisco General Hospital	No	69	76	88
St. Mary's Medical Center	Yes	90	91	85
UCSF Medical Center	Yes	88	87	92
<b>San Joaquin</b>				
Dameron Hospital	Yes	90	90	93
Doctors Hospital of Manteca	Yes	87	87	94
Kaiser Foundation Hospital, Manteca	Yes	83	.	.
Lodi Memorial Hospital	Yes	85	86	86
San Joaquin General Hospital	Yes	92	90	90
St. Joseph's Medical Center Of Stockton	Yes	87	92	90
Sutter Tracy Community Hospital	Yes	83	89	81
<b>San Luis Obispo</b>				
French Hospital Medical Center	Yes	90	70	73
Marian Regional Medical Center, Arroyo Grande	Yes	93	64	70
Sierra Vista Regional Medical Center	Yes	83	75	84
Twin Cities Community Hospital	Yes	96	84	90
<b>San Mateo</b>				
Kaiser Foundation Hospital, Redwood City	Yes	83	85	82
Kaiser Foundation Hospital, South San Francisco	Yes	90	90	87
Menlo Park Surgical Hospital	Yes	95	95	98
Mills-Peninsula Medical Center	Yes	87	83	83
San Mateo Medical Center	No	73	73	70
Sequoia Hospital	Yes	84	80	69
Seton Medical Center	Yes	89	70	57
<b>Santa Barbara</b>				
Goleta Valley Cottage Hospital	Yes	96	91	93
Lompoc Valley Medical Center	Yes	92	89	88

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate %		
		2016-17	2015-16	2014-15
Marian Regional Medical Center	Yes	94	83	84
Santa Barbara Cottage Hospital	Yes	95	90	90
Santa Ynez Valley Cottage Hospital	Yes	87	93	87
<b>Santa Clara</b>				
El Camino Hospital	No	43	76	71
El Camino Hospital Los Gatos	No	57	96	90
Good Samaritan Hospital, San Jose	Yes	93	72	75
Kaiser Foundation Hospital, San Jose	Yes	94	93	94
Kaiser Foundation Hospital, Santa Clara	Yes	94	96	96
Lucile Packard Children's Hospital Stanford	Yes	92	90	82
Mission Oaks Hospital	No	77	.	.
O'Connor Hospital	No	71	71	78
Regional Medical Center of San Jose	Yes	86	86	90
Saint Louise Regional Hospital	Yes	90	90	88
Santa Clara Valley Medical Center	No	80	69	70
Stanford Health Care	Yes	94	90	84
<b>Santa Cruz</b>				
Dominican Hospital	Yes	96	96	96
Sutter Maternity & Surgery Center of Santa Cruz	Yes	97	81	90
Watsonville Community Hospital	No	62	75	74
<b>Shasta</b>				
Mayers Memorial Hospital	Yes	93	86	89
Mercy Medical Center Redding	Yes	93	89	90
Patients' Hospital of Redding	Yes	96	96	90
Shasta Regional Medical Center	Yes	97	93	96
Vibra Hospital of Northern California	Yes	96	98	96
<b>Siskiyou</b>				
Fairchild Medical Center	Yes	93	94	93
Mercy Medical Center Mt. Shasta	Yes	92	91	88
<b>Solano</b>				
Kaiser Foundation Hospital and Rehab Center, Vallejo	Yes	84	84	76
Kaiser Foundation Hospital, Vacaville	Yes	88	88	76
Northbay Medical Center	Yes	93	92	80
Northbay Vacavalley Hospital	Yes	92	94	83
Sutter Solano Medical Center	Yes	87	85	86
<b>Sonoma</b>				
Healdsburg District Hospital	Yes	94	84	93
Kaiser Foundation Hospital, Santa Rosa	Yes	87	89	91
Petaluma Valley Hospital	No	70	56	62
Santa Rosa Memorial Hospital	No	78	69	64

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	On Track to Achieve 90% by 2020 (Currently ≥81%)	Vaccination Rate † (%)		
		2016-17	2015-16	2014-15
<b>Sonoma</b>				
Sonoma Valley Hospital	Yes	81	86	84
Sonoma West Medical Center	No	62	.	.
Sutter Santa Rosa Regional Hospital	No	73	70	71
<b>Stanislaus</b>				
Central Valley Specialty Hospital	No	60	80	81
Doctors Medical Center	Yes	84	77	74
Emanuel Medical Center	No	53	60	86
Kaiser Foundation Hospital, Modesto	Yes	85	87	89
Memorial Medical Center	No	78	79	84
Oak Valley District Hospital	No	63	73	84
Stanislaus Surgical Hospital	No	80	83	81
<b>Sutter</b>				
Sutter Surgical Hospital, North Valley	No	79	79	65
<b>Tehama</b>				
St. Elizabeth Community Hospital	Yes	95	94	96
<b>Trinity</b>				
Trinity Hospital	Yes	85	DNR	87
<b>Tulare</b>				
Kaweah Delta Medical Center	Yes	98	77	94
Porterville Developmental Center	No	66	55	DNR
Sierra View Medical Center	Yes	89	96	90
Tulare Regional Medical Center	No	63	65	59
<b>Tuolumne</b>				
Sonora Regional Medical Center	Yes	82	84	91
<b>Ventura</b>				
Community Memorial Hospital, San Buenaventura	No	79	76	89
Los Robles Hospital & Medical Center	No	68	68	80
Los Robles Hospital & Medical Center, East Campus	No	37	51	.
Ojai Valley Community Hospital	No	74	74	86
Simi Valley Hospital & Health Care Services	Yes	83	87	86
St Johns Pleasant Valley Hospital	No	80	60	68
St John's Regional Medical Center	Yes	83	72	70
Thousand Oaks Surgical Hospital	No	39	51	47
Ventura County Medical Center	No	70	66	61
<b>Yolo</b>				
Sutter Davis Hospital	Yes	85	81	72
Woodland Memorial Hospital	Yes	92	92	65
<b>Yuba</b>				
Rideout Memorial Hospital	Yes	92	87	87

† Missing data are labeled "DNR" if the hospital did not report or are left blank to indicate the hospital was not in operation or reported data combined with another hospital.

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

Table 2. Influenza Vaccination Rates in California Hospitals by Health Care Personnel Groups, 2016-2017

County Hospital * Vaccination rate >20% higher for employees than for licensed independent practitioners	% Vaccinated			
	Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
<b>Alameda</b>				
Alameda Hospital*	91	43	84	52
Alta Bates Summit Medical Center	86	67	86	98
Alta Bates Summit Medical Center, Alta Bates Campus	90	73	89	99
Children's Hospital & Research Center Oakland	90	94	72	99
Eden Medical Center	90	97	66	99
Highland Hospital*	88	37	85	71
Kaiser Foundation Hospital, Fremont	91	98	78	95
Kaiser Foundation Hospital, Oakland/Richmond	82	90	70	68
Kaiser Foundation Hospital, San Leandro	91	95	83	94
Kindred Hospital, San Francisco Bay Area*	93	60	98	0
San Leandro Hospital	91	76	81	61
St Rose Hospital*	96	53	100	100
Valleycare Medical Center	96	98	84	99
Washington Hospital	92	81	0	96
<b>Amador</b>				
Sutter Amador Hospital	87	90	62	93
<b>Butte</b>				
Enloe Medical Center, Esplanade*	82	59	64	93
Enloe Rehabilitation Center	83	100	0	100
Feather River Hospital*	82	44	70	92
Orchard Hospital	92	87	100	100
Oroville Hospital	68	70	0	40
<b>Calaveras</b>				
Mark Twain Medical Center	98	98	86	100
<b>Contra Costa</b>				
Contra Costa Regional Medical Center	83	83	96	98
John Muir Medical Center, Concord Campus*	80	58	98	91
John Muir Medical Center, Walnut Creek Campus*	83	54	98	86
Kaiser Foundation Hospital, Antioch	85	98	56	95
Kaiser Foundation Hospital, Walnut Creek	86	95	63	88
San Ramon Regional Medical Center	84	64	39	95
Sutter Delta Medical Center*	94	72	82	99
<b>Del Norte</b>				
Sutter Coast Hospital*	94	52	0	95

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	% Vaccinated			
	Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
* Vaccination rate >20% higher for employees than for licensed independent practitioners				
<b>El Dorado</b>				
Barton Memorial Hospital	91	81	76	99
Marshall Medical Center*	91	69	100	87
<b>Fresno</b>				
Adventist Medical Center , Reedley	95	80	0	96
Adventist Medical Center, Selma	93	94	0	94
Clovis Community Medical Center	87	80	84	96
Coalinga Regional Medical Center	89	100	0	100
Community Regional Medical Center	88	82	77	98
Fresno Heart and Surgical Hospital	80	80	0	100
Fresno Surgical Hospital	88	86	100	0
Kaiser Foundation Hospital, Fresno	89	94	41	74
Saint Agnes Medical Center*	95	48	0	95
San Joaquin Valley Rehabilitation Hospital	97	100	0	100
<b>Glenn</b>				
Glenn Medical Center*	83	23	0	100
<b>Humboldt</b>				
Jerold Phelps Community Hospital	74	75	94	0
Mad River Community Hospital	75	74	0	86
Redwood Memorial Hospital	92	95	80	100
St. Joseph Hospital, Eureka	90	91	87	97
The General Hospital*	92	0	0	0
<b>Imperial</b>				
El Centro Regional Medical Center*	93	32	91	47
Pioneers Memorial Healthcare District*	93	44	47	45
<b>Inyo</b>				
Northern Inyo Hospital	97	91	96	96
Southern Inyo Hospital	62	100	0	0
<b>Kern</b>				
Bakersfield Heart Hospital*	99	42	100	100
Bakersfield Memorial Hospital*	82	12	47	64
Delano Regional Medical Center*	91	25	66	97
Good Samaritan Hospital, Bakersfield*	84	42	0	100
HealthSouth Bakersfield Rehabilitation Hospital	68	69	90	100
Kern Medical Center	66	59	93	54
Kern Valley Healthcare District*	72	48	67	79
Mercy Hospital*	76	11	52	90
Mercy Southwest Hospital*	79	11	52	90
Ridgecrest Regional Hospital*	94	64	91	87

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital * Vaccination rate >20% higher for employees than for licensed independent practitioners	% Vaccinated			
	Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
San Joaquin Community Hospital*	87	43	64	82
<b>Kern (continued)</b>				
Tehachapi Hospital	82	87	0	100
<b>Kings</b>				
Adventist Medical Center	92	78	0	98
<b>Lake</b>				
Sutter Lakeside Hospital	77	82	83	85
<b>Lassen</b>				
Banner Lassen Medical Center*	92	63	0	0
<b>Los Angeles</b>				
Alhambra Hospital Medical Center*	76	54	80	100
Antelope Valley Hospital*	71	12	100	72
Barlow Respiratory Hospital*	81	50	88	0
Beverly Hospital*	82	26	77	79
California Hospital Medical Center, Los Angeles	87	100	96	98
Casa Colina Hospital and Centers for Healthcare	87	72	100	51
Catalina Island Medical Center*	78	40	43	100
Cedars-Sinai Medical Center	94	82	99	61
Centinela Hospital Medical Center	87	78	0	40
Children's Hospital Los Angeles	94	94	71	99
Citrus Valley Medical Center, IC Campus*	76	30	93	74
Citrus Valley Medical Center, QV Campus*	77	30	94	79
City of Hope Helford Clinical Research Hospital	75	84	55	63
Coast Plaza Hospital	91	98	87	100
College Medical Center*	80	41	59	98
Community Hospital Long Beach*	96	20	0	90
Community Hospital of Huntington Park	85	33	0	0.
Earl & Lorraine Miller Children's Hospital	97	89	100	100
East Los Angeles Doctors Hospital*	80	27	0	100
Encino Hospital Medical Center	86	100	0	100
Foothill Presbyterian Hospital-Johnston Memorial	78	65	84	38
Garfield Medical Center*	94	52	58	100
Glendale Adventist Medical Center*	89	36	95	99
Glendale Memorial Hospital and Health Center*	87	66	80	99
Glendora Community Hospital*	83	63	91	100
Good Samaritan Hospital, Los Angeles	86	69	81	90
Greater El Monte Community Hospital*	89	53	90	100
Henry Mayo Newhall Hospital*	87	32	96	89
Hollywood Presbyterian Medical Center*	81	34	76	95



Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Hospital	% Vaccinated			
		Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
	* Vaccination rate >20% higher for employees than for licensed independent practitioners				
	Huntington Memorial Hospital	77	63	82	78
	Kaiser Foundation Hospital, Baldwin Park	95	100	84	100
	Kaiser Foundation Hospital, Downey	92	95	75	95
	Kaiser Foundation Hospital, Los Angeles	90	97	78	83
	Kaiser Foundation Hospital, Panorama City	93	98	0	94
	Kaiser Foundation Hospital, South Bay	95	98	100	97
	Kaiser Foundation Hospital, West LA	92	98	91	96
	Kaiser Foundation Hospital, Woodland Hills	94	97	98	90
	Keck Hospital of USC	93	94	96	100
	Kindred Hospital, Baldwin Park*	78	15	81	100
	Kindred Hospital, La Mirada	83	85	62	100
	Kindred Hospital, Los Angeles*	67	33	0	100
	Kindred Hospital, San Gabriel Valley*	72	26	75	100
	Kindred Hospital, South Bay, Gardena*	83	21	80	100
	LAC+USC Medical Center	66	66	36	77
	LAC/Harbor-UCLA Medical Center	83	67	58	52
	LAC/Olive View-UCLA Medical Center*	77	48	32	44
	LAC/Rancho Los Amigos National Rehabilitation Center*	81	54	50	54
	Lakewood Regional Medical Center	90	93	88	98
	Long Beach Memorial Medical Center*	96	54	100	100
	Los Angeles Community Hospital	57	65	100	0
	Marina Del Rey Hospital	89	92	96	100
	Martin Luther King, Jr. Community Hospital	88	73	80	100
	Memorial Hospital of Gardena*	81	18	71	70
	Methodist Hospital of Southern California	87	77	0	98
	Miracle Mile Medical Center	97	100	100	0
	Mission Community Hospital*	72	35	50	100
	Monrovia Memorial Hospital*	64	1	42	0
	Monterey Park Hospital*	93	64	69	100
	Northridge Hospital Medical Center*	91	64	0	88
	Olympia Medical Center*	90	54	91	100
	PIH Hospital, Downey*	93	25	61	93
	Pacific Alliance Medical Center	91	79	94	100
	Pacifica Hospital of the Valley*	77	26	83	100
	Palmdale Regional Medical Center*	78	26	84	99
	Pomona Valley Hospital Medical Center	89	85	46	98.
	Presbyterian Intercommunity Hospital*	90	46	99	85
	Promise Hospital of East Los Angeles, East LA	61	81	75	100



Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Hospital	% Vaccinated			Students, Trainees, Volunteers
		Hospital Employees	Licensed Independent Practitioners	Contract Personnel	
	* Vaccination rate >20% higher for employees than for licensed independent practitioners				
<b>Campus</b>					
	Promise Hospital of East Los Angeles, Suburban Campus	77	81	85	100
	Providence Holy Cross Medical Center	84	76	12	84
	Providence Little Company of Mary Medical Center San Pedro	82	78	27	60
	Providence Little Company of Mary Medical Center Torrance	82	87	19	91
	Providence Saint John's Health Center	81	73	88	90
	Providence Saint Joseph Medical Center*	86	55	48	70
	Providence Tarzana Medical Center	85	87	26	72
	Ronald Reagan UCLA Medical Center	65	99	67	100
	Saint Francis Medical Center*	65	27	67	94
	Saint Vincent Medical Center*	79	17	83	40
	San Dimas Community Hospital	93	83	74	100
	San Gabriel Valley Medical Center*	88	53	90	89
	Santa Monica UCLA Medical Center and Orthopaedic Hospital	78	98	67	100
	Sherman Oaks Hospital	81	92	100	100
	Silver Lake Medical Center*	83	6	100	100
	Southern California Hospital at Culver City	81	87	0	100
	Southern California Hospital at Hollywood	97	87	0	0
	St. Mary Medical Center, Long Beach*	89	15	0	88
	Torrance Memorial Medical Center	94	95	91	96
	USC Kenneth Norris Jr. Cancer Hospital	96	94	97	100
	Valley Presbyterian Hospital*	81	29	73	93
	Verdugo Hills Hospital	97	94	94	100
	West Covina Medical Center*	98	52	100	0
	West Hills Hospital & Medical Center*	90	63	66	98
	White Memorial Medical Center*	69	19	24	58
	Whittier Hospital Medical Center	96	82	96	100
<b>Madera</b>					
	Madera Community Hospital*	92	32	84	94
	Valley Children's Hospital	99	99	97	99
<b>Marin</b>					
	Kaiser Foundation Hospital, San Rafael	92	99	92	96
	Kentfield Rehabilitation & Specialty Hospital	98	100	70	100
	Marin General Hospital	90	80	0	89
	Novato Community Hospital	89.	97	0	100
<b>Mariposa</b>					

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital * Vaccination rate >20% higher for employees than for licensed independent practitioners	% Vaccinated			
	Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
John C. Fremont Healthcare District	85	79	88	70
<b>Mendocino</b>				
Frank R. Howard Memorial Hospital	83	95	77	84
Mendocino Coast District Hospital	95	100	100	100
Ukiah Valley Medical Center*	90	62	76	100
<b>Merced</b>				
Memorial Hospital Los Banos	96	81	0	94
Mercy Medical Center*	94	65	96	83
<b>Modoc</b>				
Modoc Medical Center	85	77	66	100
<b>Mono</b>				
Mammoth Hospital*	96	61	100	0
<b>Monterey</b>				
Community Hospital of The Monterey Peninsula*	94	55	78	79
George L. Mee Memorial Hospital	90	89	90	83
Natividad Medical Center*	86	24	76	68
Salinas Valley Memorial Hospital	90	78	58	90
<b>Napa</b>				
Queen of the Valley Medical Center*	89	60	69	90
St. Helena Hospital*	73	40	64	76
<b>Nevada</b>				
Sierra Nevada Memorial Hospital*	90	35	100	94
Tahoe Forest Hospital	86	90	97	98
<b>Orange</b>				
AHMC Anaheim Regional Medical Center*	73	10	72	81
Anaheim Global Medical Center	91	100	100	100
Chapman Global Medical Center*	86	9	100	100
Children's Hospital at Mission	92	93	0	96
Children's Hospital of Orange County	98	86	99	100
College Hospital Costa Mesa	95	94	86	52
Fairview Developmental Center*	77	50	59	92
Foothill Regional Medical Center*	83	35	89	100
Fountain Valley Regional Hospital & Medical Center*	76	17	73	10
Garden Grove Hospital and Medical Center*	95	49	92	100
HealthSouth Tustin Rehabilitation Hospital*	83	60	100	100
Hoag Hospital Irvine	90	88	0	91
Hoag Memorial Hospital Presbyterian	93	88	0	92
Hoag Orthopedic Institute	90	98	0	92
Huntington Beach Hospital*	83	52	85	92

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	% Vaccinated			
	Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
* Vaccination rate >20% higher for employees than for licensed independent practitioners				
Kaiser Foundation Hospital, Orange County, Anaheim	90	95	100	83
Kaiser Foundation Hospital, Orange County, Irvine	90	98	0	85
Kindred Hospital, Brea	88	71	94	0
Kindred Hospital, Santa Ana*	89	46	96	100
Kindred Hospital, Westminster*	63	13	71	100
La Palma Intercommunity Hospital	90	70	0	0
Los Alamitos Medical Center	88	83	95	98
Mission Hospital Laguna Beach*	79	41	90	93
Mission Hospital Regional Medical Center	89	77	90	96
Orange Coast Memorial Medical Center	89	76	0	97
Orange County Global Medical Center*	84	42	98	78
Placentia Linda Hospital	92	84	97	96
Saddleback Memorial Medical Center*	93	56	90	83
South Coast Global Medical Center	55	50	53	100
St. Joseph Hospital, Orange*	81	29	98	78
St. Jude Medical Center*	88	42	96	76
University of California Irvine Medical Center	95	100	100	100
West Anaheim Medical Center*	78	10	94	100
<b>Placer</b>				
Kaiser Foundation Hospital, Roseville	84	90	81	87
Sutter Auburn Faith Hospital	83	72	50	99
Sutter Roseville Medical Center*	84	54	67	100
<b>Plumas</b>				
Eastern Plumas Hospital, Portola Campus	87	82	75	0
Plumas District Hospital	84	100	92	100
Seneca District Hospital	92	100	100	100
<b>Riverside</b>				
Corona Regional Medical Center	74	59	100	62
Desert Regional Medical Center*	87	31	54	46
Eisenhower Medical Center*	91	45	45	67
Hemet Valley Medical Center	80	60	92	98
John F. Kennedy Memorial Hospital*	96	53	97	96
Kaiser Foundation Hospital, Moreno Valley	92	96	96	100
Kaiser Foundation Hospital, Riverside	92	98	53	69
Kindred Hospital, Riverside*	63	42	81	100
Loma Linda University Medical Center, Murrieta*	82	10	96	82
Menifee Valley Medical Center	65	55	100	97
Palo Verde Hospital*	55	18	33	0
Parkview Community Hospital Medical Center	76	60	66	88

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	% Vaccinated			
	Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
* Vaccination rate >20% higher for employees than for licensed independent practitioners				
Riverside Community Hospital*	85	20	56	45
Riverside County Regional Medical Center	72	89	100	94
San Geronio Memorial Hospital	74	86	64	93
Southwest Healthcare System, Murrieta*	87	41	0	97
Southwest Healthcare System, Wildomar*	82	41	0	97
Temecula Valley Hospital	89	85	0	98
<b>Sacramento</b>				
Kaiser Foundation Hospital, Sacramento	89	85	0	98
Kaiser Foundation Hospital, South Sacramento	82	93	63	81
Mercy General Hospital	89	90	50	58
Mercy Hospital of Folsom	92	98	0	87
Mercy San Juan Medical Center	91	90	0	79
Methodist Hospital of Sacramento	86	66	0	93
Shriners Hospitals for Children Northern California*	89	47	0	98
Sutter Medical Center, Sacramento	95	100	0	100
University of California Davis Medical Center	79	84	76	96
Vibra Hospital of Sacramento*	89	0	92	100
<b>San Benito</b>				
Hazel Hawkins Memorial Hospital	81	93	90	0
<b>San Bernardino</b>				
Arrowhead Regional Medical Center	88	74	87	100
Ballard Rehabilitation Hospital	87	88	100	95
Barstow Community Hospital	91	98	66	81
Bear Valley Community Hospital	87	93	100	81
Chino Valley Medical Center	82	76	100	100
Colorado River Medical Center	49	100	0	0
Community Hospital of San Bernardino	70	59	38	90
Desert Valley Hospital*	84	0	0	0
Hi-Desert Medical Center	98	98	0	100
Kaiser Foundation Hospital, Fontana	92	98	88	94
Kaiser Foundation Hospital, Ontario	90	98	0	96
Kindred Hospital, Ontario	75	79	91	100
Kindred Hospital, Rancho	91	96	81	93
Loma Linda University Children's Hospital	90	76	0	100
Loma Linda University Heart and Surgical Hospital	86	70	0	100
Loma Linda University Medical Center	84	70	0	100
Loma Linda University Medical Center East Campus Hospital	85	70	0	100
Montclair Hospital Medical Center*	87	46	100	100

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Hospital	% Vaccinated			Students, Trainees, Volunteers
		Hospital Employees	Licensed Independent Practitioners	Contract Personnel	
	* Vaccination rate >20% higher for employees than for licensed independent practitioners				
	Mountains Community Hospital	80	83	20	88
	Redlands Community Hospital	92	91	100	84
	San Antonio Regional Hospital*	89	54	76	91
	St. Bernardine Medical Center*	84	55	0	57
	St. Mary Medical Center, Apple Valley	84	98	92	91
	Victor Valley Global Medical Center*	78	28	85	73
<b>San Diego</b>					
	Alvarado Hospital Medical Center	67	93	0	32
	Grossmont Hospital	91	89	85	87
	Kaiser Foundation Hospital, San Diego	93	99	97	97
	Kindred Hospital, San Diego*	89	41	64	100
	Palomar Health Downtown Campus	82	84	94	99
	Palomar Medical Center	88	99	95	98
	Paradise Valley Hospital*	85	56	97	64
	Pomerado Hospital	88	98	92	99
	Rady Children's Hospital, San Diego	100	99	100	100
	Scripps Green Hospital	93	96	64	66
	Scripps Memorial Hospital, Encinitas	94	94	53	82
	Scripps Memorial Hospital, La Jolla	94	94	75	84
	Scripps Mercy Hospital	93	92	75	85
	Scripps Mercy Hospital Chula Vista	90	92	33	96
	Sharp Chula Vista Medical Center*	94	62	80	92
	Sharp Coronado Hospital and Healthcare Center	88	77	77	94
	Sharp Mary Birch Hospital For Women And Newborns	94	77	86	96
	Sharp Memorial Hospital	93	80	84	96
	Tri-City Medical Center	90	88	95	91
	University of California, San Diego Medical Center*	97	56	96	99
	Vibra Hospital of San Diego*	87	61	80	0
<b>San Francisco</b>					
	California Pacific Medical Center, California West Campus Hospital*	87	41	67	61
	California Pacific Medical Center, Davies Campus Hospital*	92	41	67	64
	California Pacific Medical Center, Pacific Campus Hospital*	89	41	68	77
	California Pacific Medical Center, St. Luke's Campus Hospital*	91	58	69	28
	Chinese Hospital	60	71	0	33
	Kaiser Foundation Hospital, San Francisco	86	92	30	73
	Laguna Honda Hospital & Rehabilitation Center*	94	0	0	0

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	% Vaccinated			
	Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
* Vaccination rate >20% higher for employees than for licensed independent practitioners				
Saint Francis Memorial Hospital	85	74	100	100
San Francisco General Hospital	79	80	27	39
St. Mary's Medical Center*	94	74	100	100
UCSF Medical Center	87	82	0	99
<b>San Joaquin</b>				
Dameron Hospital	92	81	0	79
Doctors Hospital of Manteca*	94	47	94	99
Kaiser Foundation Hospital, Manteca	84	95	33	59
Lodi Memorial Hospital*	88	57	73	93
San Joaquin General Hospital*	92	0	0	0
St. Joseph's Medical Center Of Stockton*	94	45	98	99
Sutter Tracy Community Hospital*	90	52	50	86
<b>San Luis Obispo</b>				
French Hospital Medical Center*	94	69	90	94
Marian Regional Medical Center, Arroyo Grande	97	78	94	98
Sierra Vista Regional Medical Center*	97	37	92	90
Twin Cities Community Hospital	98	89	9	93
<b>San Mateo</b>				
Kaiser Foundation Hospital, Redwood City	85	88	54	59
Kaiser Foundation Hospital, South San Francisco	91	91	50	72
Menlo Park Surgical Hospital	92	98	0	92
Mills-Peninsula Medical Center	87	69	83	100
San Mateo Medical Center*	80	29	76	94
Sequoia Hospital	90	83	49	76
Seton Medical Center	91	77	97	95
<b>Santa Barbara</b>				
Goleta Valley Cottage Hospital	95	90	0	100
Lompoc Valley Medical Center	92	92	0	94
Marian Regional Medical Center	95	80	94	99
Santa Barbara Cottage Hospital	94	98	0	92
Santa Ynez Valley Cottage Hospital*	98	36	0	96
<b>Santa Clara</b>				
El Camino Hospital*	93	11	0	2
El Camino Hospital Los Gatos*	94	25	0	0
Good Samaritan Hospital, San Jose*	94	0	0	88
Kaiser Foundation Hospital, San Jose	92	99	78	98
Kaiser Foundation Hospital, Santa Clara	95	96	91	88
Lucile Packard Children's Hospital Stanford	95	92	84	84
Mission Oaks Hospital*	83	0	0	0

Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Hospital	% Vaccinated			Students, Trainees, Volunteers
		Hospital Employees	Licensed Independent Practitioners	Contract Personnel	
	* Vaccination rate >20% higher for employees than for licensed independent practitioners				
	O'Connor Hospital*	81	26	0	100
	Regional Medical Center of San Jose	93	81	71	76
	Saint Louise Regional Hospital	92	78	87	97
	Santa Clara Valley Medical Center*	80	0	0	0
	Stanford Health Care	94	97	97	93
<b>Santa Cruz</b>					
	Dominican Hospital	96	96	96	100
	Sutter Maternity & Surgery Center of Santa Cruz	96	99	0	100
	Watsonville Community Hospital*	86	26	0	47
<b>Shasta</b>					
	Mayers Memorial Hospital	98	100	88	54
	Mercy Medical Center Redding	94	90	98	88
	Patients' Hospital of Redding	96	98	0	100
	Shasta Regional Medical Center	97	96	100	100
	Vibra Hospital of Northern California	97	100	94	100
<b>Siskiyou</b>					
	Fairchild Medical Center	95	82	90	96
	Mercy Medical Center Mt. Shasta	92	97	0	88
<b>Solano</b>					
	Kaiser Foundation Hospital and Rehab Center, Vallejo	83	94	96	87
	Kaiser Foundation Hospital, Vacaville	87	90	0	87
	Northbay Medical Center	93	89	0	99
	Northbay Vacavalley Hospital	93	90	0	100
	Sutter Solano Medical Center	84	93	71	97
<b>Sonoma</b>					
	Healdsburg District Hospital	95	87	100	100
	Kaiser Foundation Hospital, Santa Rosa	86	92	58	100
	Petaluma Valley Hospital*	89	46	55	64
	Santa Rosa Memorial Hospital*	89	63	63	61
	Sonoma Valley Hospital	77	98	0	92
	Sonoma West Medical Center*	73	32	0	63
	Sutter Santa Rosa Regional Hospital*	88	28	0	100
<b>Stanislaus</b>					
	Central Valley Specialty Hospital*	63	12	90	0
	Doctors Medical Center*	93	54	82	64
	Emanuel Medical Center*	97	33	13	20
	Kaiser Foundation Hospital, Modesto	85	95	30	62
	Memorial Medical Center*	85	46	82	92



Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County Hospital	% Vaccinated			
	Hospital Employees	Licensed Independent Practitioners	Contract Personnel	Students, Trainees, Volunteers
* Vaccination rate >20% higher for employees than for licensed independent practitioners				
Oak Valley District Hospital*	78	34	58	33
Stanislaus Surgical Hospital*	95	28	100	100
<b>Sutter</b>				
Sutter Surgical Hospital, North Valley*	94	45	53	100.
<b>Tehama</b>				
St. Elizabeth Community Hospital	95	94	91	98
<b>Trinity</b>				
Trinity Hospital	80	100	100	100
<b>Tulare</b>				
Kaweah Delta Medical Center	99	94	100	100
Porterville Developmental Center*	69	0	0	0
Sierra View Medical Center*	92	59	98	96
Tulare Regional Medical Center	64	79	58	58
<b>Tuolumne</b>				
Sonora Regional Medical Center	85	84	55	79
<b>Ventura</b>				
Community Memorial Hospital, San Buenaventura*	90	33	91	100
Los Robles Hospital & Medical Center*	87	41	21	75
Los Robles Hospital & Medical Center, East Campus*	79	41	21	83
Ojai Valley Community Hospital*	88	60	40	14
Simi Valley Hospital & Health Care Services	80	97	74	88
St Johns Pleasant Valley Hospital*	85	47	77	96
St John's Regional Medical Center*	90	45	83	88
Thousand Oaks Surgical Hospital*	74	41	21	100
Ventura County Medical Center*	90	41	100	54
<b>Yolo</b>				
Sutter Davis Hospital*	91	66	79	100
Woodland Memorial Hospital	95	91	0	77
<b>Yuba</b>				
Rideout Memorial Hospital*	97	69	77	88



Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

Table 3. Influenza Vaccination of Health Care Personnel (HCP) in California Hospitals by County and Mandatory Mask Health Order, 2016-2017

County	Mask Required	Number of Hospitals	Number of HCP	HCP Vaccinated (%)	On Track to Achieve 90% by 2020 (≥81% in 2016-2017)
<b>35 counties</b>	<b>Yes*</b>	<b>283</b>	<b>747,449</b>	<b>84</b>	<b>Yes</b>
<b>20 counties</b>	<b>No*</b>	<b>106</b>	<b>180,178</b>	<b>81</b>	<b>Yes</b>
Alameda	Yes	14	41,025	87	Yes
Amador	Yes	1	713	86	Yes
Butte	No	5	8,041	77	No
Calaveras	Yes	1	451	98	Yes
Contra Costa	Yes	7	22,249	82	Yes
Del Norte	No	1	496	89	Yes
El Dorado	Yes	2	3,273	89	Yes
Fresno	Yes	10	27,406	87	Yes
Glenn	No	1	238	84	Yes
Humboldt	No	5	3,095	87	Yes
Imperial	No	2	2,890	80	No
Inyo	No	2	723	92	Yes
Kern	No	12	17,250	70	No
Kings	No	1	22031	91	Yes
Lake	No	1	537	79	No
Lassen	No	1	279	84	Yes
Los Angeles	Yes	93	259,604	80	No
Madera	Yes	2	6,087	96	Yes
Marin	Yes	4	5,739	92	Yes
Mariposa	Yes	1	262	84	Yes
Mendocino	Yes	3	1,984	88	Yes
Merced	No	2	2,661	90	Yes
Modoc	Yes	1	252	82	Yes
Mono	Yes	1	464	90	Yes
Monterey	Yes	4	8,505	83	Yes
Napa	Yes	2	3,520	76	No
Nevada	Yes	2	2,308	84	Yes
Orange	No	33	72,060	83	Yes
Placer	Yes	3	10,876	82	Yes
Plumas	No	3	630	88	Yes
Riverside	No	18	39,056	75	No
Sacramento	Yes	10	44,539	87	Yes
San Benito	Yes	1	982	75	No
San Bernardino	Yes	24	50,344	85	Yes
San Diego	Yes	21	72,282	91	Yes
San Francisco	Yes	11	40,524	78	No

## Influenza Vaccination among Health Care Personnel in California Hospitals, 2016-17

County	Mask Required	Number of Hospitals	Number of HCP	HCP Vaccinated (%)	On Track to Achieve 90% by 2020 (≥81% in 2016-2017)
<b>San Joaquin</b>	Yes	7	11,199	87	Yes
<b>San Luis Obispo</b>	No	4	4,066	90	Yes
<b>San Mateo</b>	No	7	13,935	85	Yes
<b>Santa Barbara</b>	Yes	5	8,046	94	Yes
<b>Santa Clara</b>	Yes	12	57,785	84	Yes
<b>Santa Cruz</b>	Yes	3	4,300	87	Yes
<b>Shasta</b>	Yes	5	4,887	94	Yes
<b>Siskiyou</b>	No	2	1,297	93	Yes
<b>Solano</b>	Yes	5	12,047	88	Yes
<b>Sonoma</b>	Yes	7	10,910	79	No
<b>Stanislaus</b>	Yes	7	14,948	75	No
<b>Sutter</b>	No	1	168	79	No
<b>Tehama</b>	Yes	1	962	95	Yes
<b>Trinity</b>	Yes	1	184	85	Yes
<b>Tulare</b>	No	4	7,805	92	Yes
<b>Tuolumne</b>	Yes	1	1,902	82	Yes
<b>Ventura</b>	Yes	9	15,051	71	No
<b>Yolo</b>	Yes	2	1,839	89	Yes
<b>Yuba</b>	No	1	2,920	92	Yes

\* “Yes” indicates county with a policy or local health order requiring HCP who refuse vaccination to wear a surgical mask while in the hospital during influenza season. “No” indicates county without such a policy or health order.

Alpine, Colusa, and Sierra counties excluded; no acute care hospitals in operation.

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