

**INFLUENZA VACCINATION  
COVERAGE REPORT FOR  
HEALTHCARE WORKERS  
IN UTAH HOSPITALS  
2012-2013**

Utah Department of Health  
Division of Disease Control and Prevention  
Bureau of Epidemiology

## Table of Contents

Introduction .....	iii
Background .....	iii
Report Overview .....	iv
Conclusion.....	iv
 Influenza Vaccination Coverage Rates for Healthcare Workers in Licensed Hospitals by Public Health District, 2012-2013 Influenza Season	
Bear River .....	1
Central.....	2
Davis .....	3
Salt Lake County.....	4
Southeastern Utah .....	6
Southwest Utah .....	7
Summit.....	8
Tooele .....	9
Tri-County.....	10
Utah County.....	11
Wasatch.....	12
Weber Morgan.....	13
Appendix A: Definitions .....	14
References .....	15

## Introduction

Influenza is one of the leading causes of employee absences, causing millions of lost workdays and lost wages. Some estimates suggest that 10- to 12-percent of all employee absences are due to employees contracting the influenza virus. Each infected employee might miss up to six days of work and need up to two weeks to make a full recovery. Additional considerations include costs related to lowered productivity when ill employees are at work, slowed projects, or wages and training needed for temporary workers.

Many employees also miss work to care for ill family members. The more children get sick, the greater the likelihood that employees will miss work or unknowingly become a carrier of the virus, spreading it at the workplace.

The end result is that seasonal influenza is a costly disease to patients, employers, and society in terms of direct and indirect medical costs and lost productivity.<sup>1</sup>

Preventing influenza among healthcare personnel who might serve as sources of influenza virus transmission provides additional protection to patients at risk for influenza complications. Vaccination of healthcare personnel can specifically benefit patients who cannot receive vaccination (i.e., infants aged <6 months or those with severe allergic reactions to prior influenza vaccination), patients who respond poorly to vaccination (i.e., persons aged  $\geq 85$  years and immune-compromised persons), and persons for whom antiviral treatment is not available (i.e., persons with medical contraindications).<sup>2</sup>

The Advisory Committee on Immunization Practices (ACIP) recommends annual influenza immunization of healthcare workers (HCWs) to reduce rates of healthcare-associated infections (HAIs). The ACIP also recommends that measures be taken to increase HCW immunization rates, and that those rates be used as a measure of the quality of a patient safety program.

## Background

In November of 2007, the Utah Department of Health (UDOH) adopted a Healthcare-Associated Infections reporting rule (Rule-386-705, Epidemiology, Healthcare-Associated Infection). This rule requires that hospitals report HCW influenza vaccination rates. In April 2011, the Utah Healthcare Infection Prevention Governance Committee\*(UHIP GC) recommended that all healthcare delivery

\*The Utah Healthcare Infection Prevention Governance Committee ([http://health.utah.gov/epi/HAI/governance\\_committee.html](http://health.utah.gov/epi/HAI/governance_committee.html)) is a multi-disciplinary panel of state leaders in patient safety, infectious diseases, and infection control. Membership is comprised from a broad base of care delivery groups across the State and organized under and staffed by the Utah Department of Health.

facilities in Utah implement a policy of compulsory\*\* annual influenza vaccination for all healthcare personnel, unless an organization has achieved a vaccination rate greater than 95 percent by other means.

## Report Overview

This report was developed by the UDOH in collaboration with the UHIP GC. The information in this report is collected from annual data in all licensed hospitals on the number of HCWs that were vaccinated for seasonal influenza.<sup>3, 4</sup> Hospital and state-specific influenza vaccination rates were determined by collecting data on the number of HCWs at each licensed hospital in Utah and the number of HCWs that were vaccinated for seasonal influenza. Vaccination rates were calculated by dividing the number of HCWs vaccinated by the total number of HCWs.

During the 2012-2013 influenza season, 100 percent of licensed hospitals reported HCW influenza vaccination rates. Influenza vaccination rates for HCWs in Utah licensed hospitals have increased consistently from 75.49 percent for the 2008-2009 influenza season to 94.66 percent for the 2012-2013 influenza season (Figure 1). Overall, vaccination coverage for HCWs across reporting licensed hospitals ranged from 48 percent to 100 percent (Table 1). Within Utah's 12 public health districts, the overall influenza vaccination rates for HCWs among licensed hospitals ranged from 71.73 percent to 100 percent (Tables/Figures 2-13). These data are complete at the time of report generation.

The UDOH does not *require* Utah hospitals to have compulsory influenza vaccination policies for HCWs; however, some Utah healthcare facilities have such policies in place. All (100 percent) Utah hospitals with compulsory HCW influenza vaccination policies reported vaccination rates of 90 percent or greater for the 2012-2013 influenza season. Six (10 percent) Utah hospitals *without* compulsory HCW influenza vaccination policies also reported vaccination rates of 90 percent or greater for the 2012-2013 influenza season. Thirty-seven (62 percent) Utah hospitals had a compulsory HCW influenza vaccination policy; 16 (27 percent) Utah hospitals had no compulsory HCW influenza vaccination policy; and seven (12 percent) Utah hospitals were identified as unknown. Since last year's report, two new facilities have implemented compulsory vaccination policies.

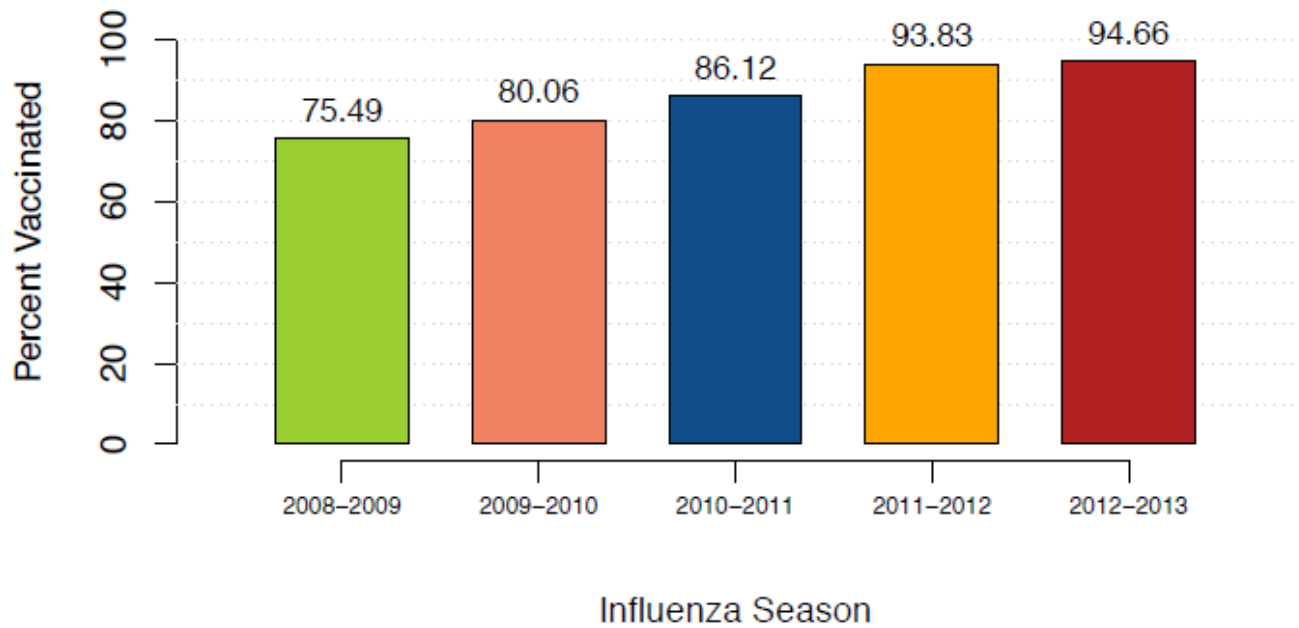
## Conclusion

Utah Administrative Code R386-705 was created with the intent of releasing data, such as healthcare worker influenza vaccination rates by facility, to the public. The UDOH and the UHIP GC agree that publicly releasing these data is an important step in creating transparency for healthcare quality in Utah.

\*\*Employer requirement for influenza vaccination.

Influenza vaccination of healthcare personnel is a critical patient safety practice that should be required in all healthcare facilities. Clinical evidence clearly shows that HCW influenza vaccination reduces patient infections and death. Healthcare facilities that have adopted such policies have shown dramatic improvements in HCW vaccination rates.<sup>5</sup> It is the opinion of the UDOH and the UHIP GC that patients should reasonably be able to expect that they will not contract potentially life-threatening illnesses, such as influenza, from their healthcare providers while being treated for other conditions.

**Figure 1. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by influenza season, Utah, 2008-2012\***



Source: NHSN and UDOH data.

**\*NOTE:** In previous reports, influenza vaccination coverage rates for healthcare workers in licensed hospitals from 2008-2009 through 2011-2013 were reported as an average vaccination percentage across all Utah hospitals, rather than as an overall state percentage. This graph reflects the adjusted percentages with influenza seasons from 2008-2009 through 2012-2013 reported as an overall state percentage.

**Table 1. Influenza vaccination coverage for healthcare workers in licensed hospitals\* by facility type, Utah, 2012**

	<b>Number of hospitals</b>	<b>Average vaccination percentage of HCWs</b>	<b>Range of vaccination percentages</b>
<b>Acute care hospitals</b>	32	96.79%	71.73% - 99.49%
<b>Long-term acute care hospitals</b>	3	94.74%	90.87% - 98.54%
<b>Critical access hospitals</b>	11	87.36%	52.54% - 100.00%
<b>Rehabilitation hospitals</b>	1	95.03%	95.03% - 95.03%
<b>Psychiatric hospitals</b>	10	75.35%	48.00% - 98.81%
<b>Children's hospitals</b>	2	90.65%	82.35% - 98.95%
<b>Government hospitals</b>	1	64.16%	64.16% - 64.16%

Source: UDOH data.

\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals

**Table 2. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Bear River, 2012-2013 influenza season**

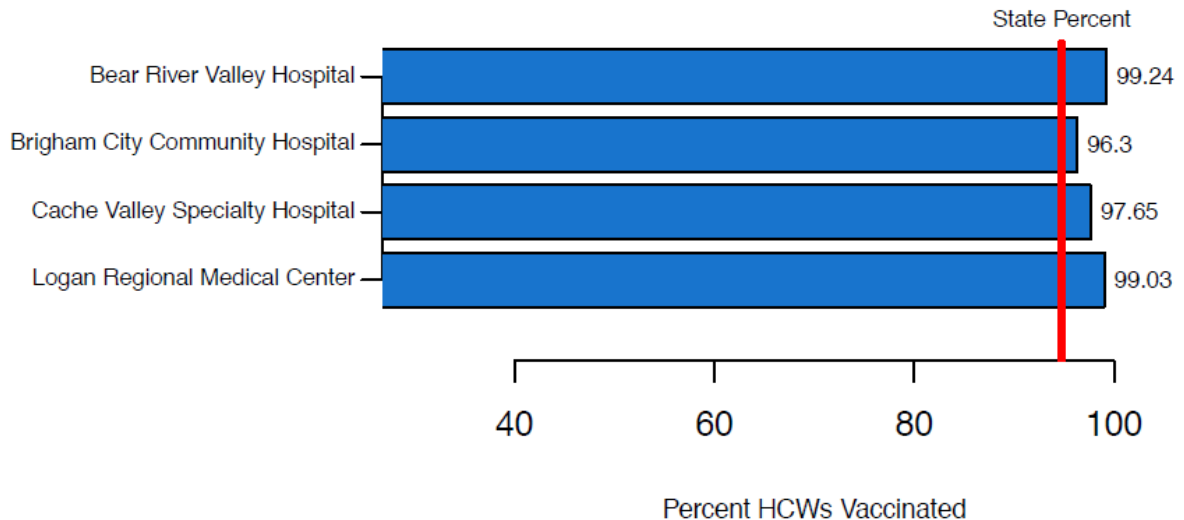
<b>Bear River Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>1,579</b>	<b>1,556</b>	<b>98.54%</b>
Bear River Valley Hospital	131	130	99.24%
Brigham City Community Hospital	162	156	96.30%
Cache Valley Specialty Hospital	255	249	97.65%
Logan Regional Medical Center	1,031	1,021	99.03%

Source: NHSN and UDOH data.

\*Box Elder, Cache and Rich Counties

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 2. Influenza vaccination rates for healthcare workers by licensed hospital, Bear River Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Table 3. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Central Utah, 2012-2013 influenza season**

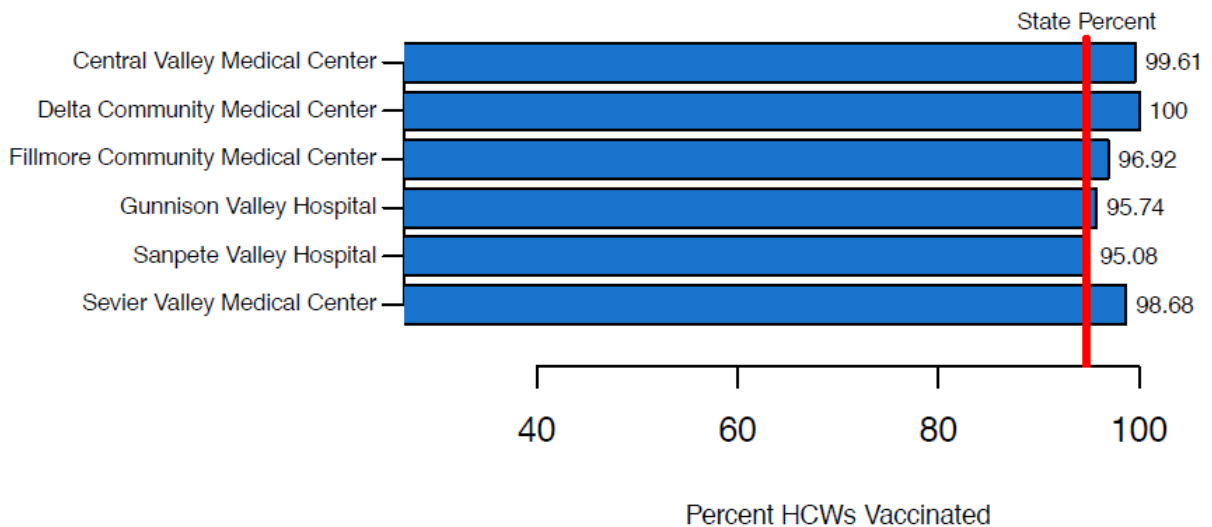
<b>Central Utah Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>97.66%</b>
<b>Licensed hospitals**</b>	<b>896</b>	<b>875</b>	<b>97.45%</b>
Central Valley Medical Center	255	254	99.61%
Delta Community Medical Center	68	68	100.00%
Fillmore Community Medical Center	65	63	96.92%
Gunnison Valley Hospital	235	225	95.74%
Sanpete Valley Medical Center	122	116	95.08%
Sevier Valley Medical Center	151	149	98.68%

Source: NHSN and UDOH data.

\*Juab, Millard, Sanpete, Sevier, Piute, and Wayne Counties

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 3. Influenza vaccination rates for healthcare workers by licensed hospital, Central Utah Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.



**Table 4. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Davis County, 2012-2013 influenza season**

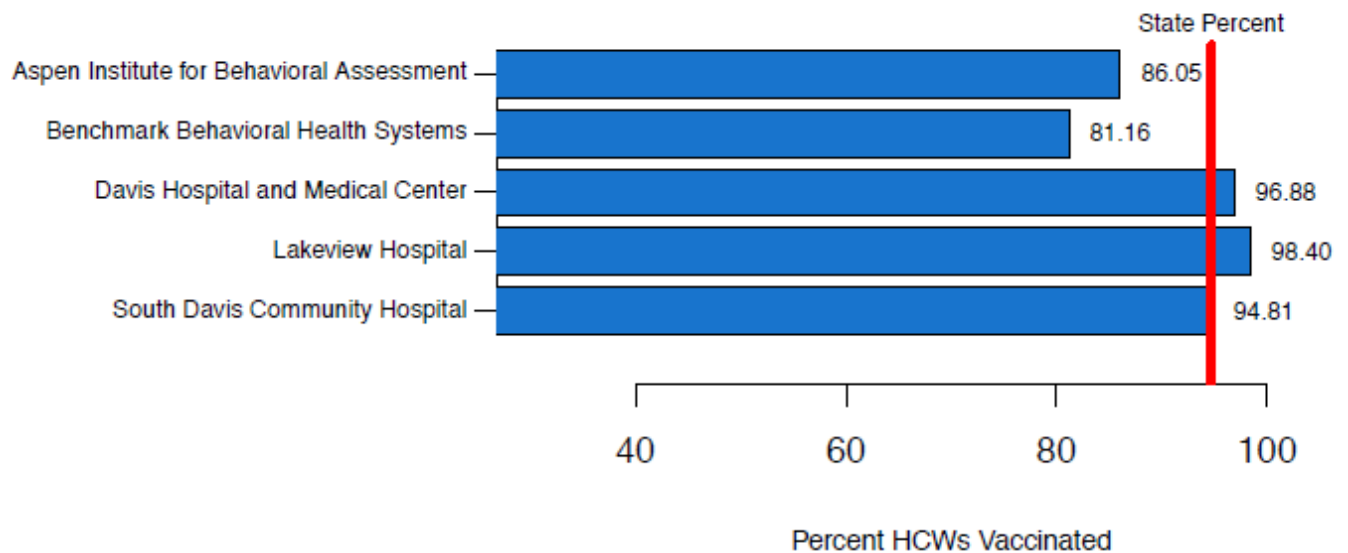
<b>Davis County Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>2,161</b>	<b>2,063</b>	<b>95.47%</b>
Aspen Institute for Behavioral Assessment	43	37	86.05%
Benchmark Behavioral Health Systems	138	112	81.16%
Davis Hospital and Medical Center	800	775	96.88%
Lakeview Hospital	564	555	98.40%
South Davis Community Hospital	616	584	94.81%

Source: NHSN and UDOH data.

\*Davis County

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 4. Influenza vaccination rates for healthcare workers by licensed hospital, Davis County Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Table 5. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Salt Lake County, 2012-2013 influenza season**

<b>Salt Lake County Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>26,200</b>	<b>24,748</b>	<b>94.46%</b>
Alta View Hospital	547	539	98.54%
HealthSouth Rehabilitation Hospital of Utah	161	153	95.03%
Highland Ridge Hospital	167	121	72.46%
Intermountain Medical Center	4,674	4,636	99.19%
Jordan Valley Medical Center	1,237	1,206	97.49%
LDS Hospital	1,354	1,339	98.89%
Marian Center	25	12	48.00%
Primary Children's Medical Center	3,139	3,096	98.95%
Promise Hospital of Salt Lake	205	202	98.54%
Riverton Hospital	493	488	98.99%
Salt Lake Behavioral Health	255	127	49.80%
Salt Lake Regional Medical Center	704	695	98.72%
Shriners Hospital for Children	221	182	82.35%
Silverado Senior Living - Aspen Park	97	48	49.48%
St. Mark's Hospital	1,475	1,429	96.88%
The Orthopedic Specialty Hospital	402	399	99.25%
University Hospital	8,170	8,000	97.92%
University Neuropsychiatric Institute	670	662	98.81%
Veterans Affairs Medical Center	2,204	1,414	64.16%

Source: NHSN and UDOH data.

\*Salt Lake County

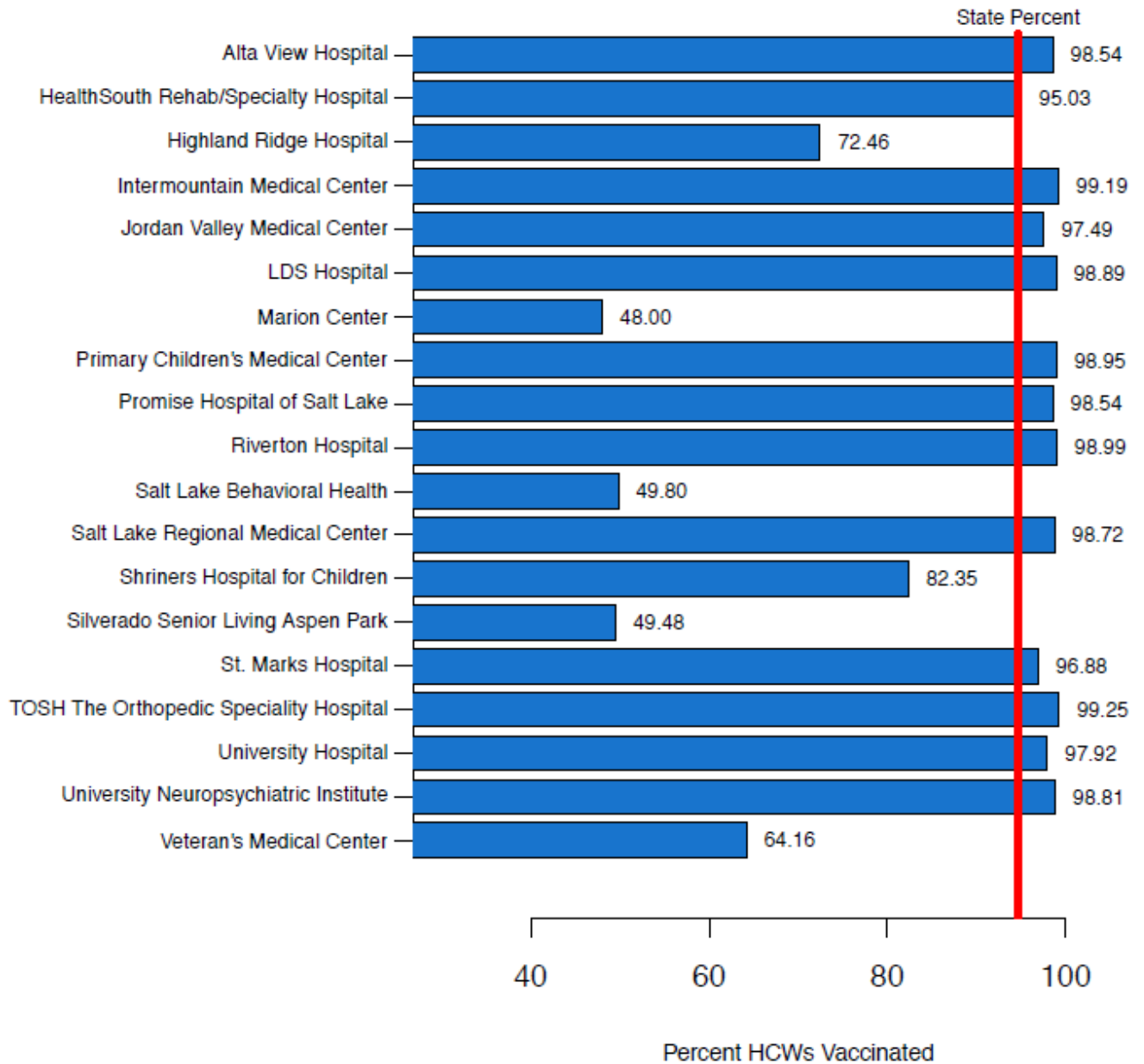
\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Figure 5. Influenza vaccination rates for healthcare workers by licensed hospital, Salt Lake County Health District, 2012-2013 influenza season**



**Table 6. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Southeastern Utah, 2012-2013 influenza season**

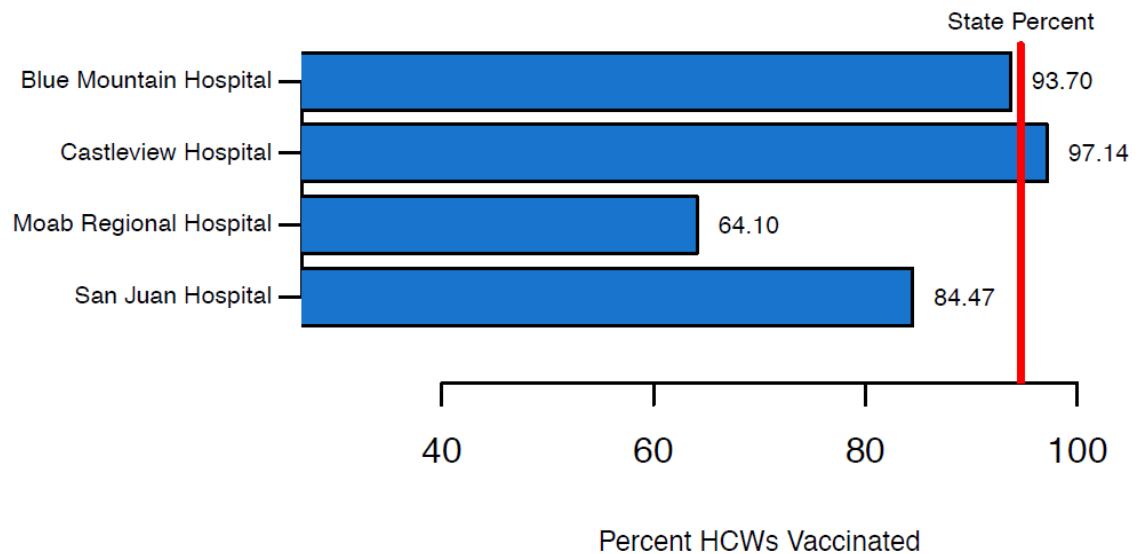
<b>Southeastern Utah Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>736</b>	<b>646</b>	<b>87.8%</b>
Blue Mountain Hospital	127	119	93.70%
Castleview Hospital	350	340	97.14%
Moab Regional Hospital	156	100	64.10%
San Juan Hospital	103	87	84.47%

Source: NHSN and UDOH data.

\*Carbon, Emery, Grand, and San Juan Counties

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 6. Influenza vaccination rates for healthcare workers by licensed hospital, Southeastern Utah Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Table 7. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Southwest Utah, 2012-2013 influenza season**

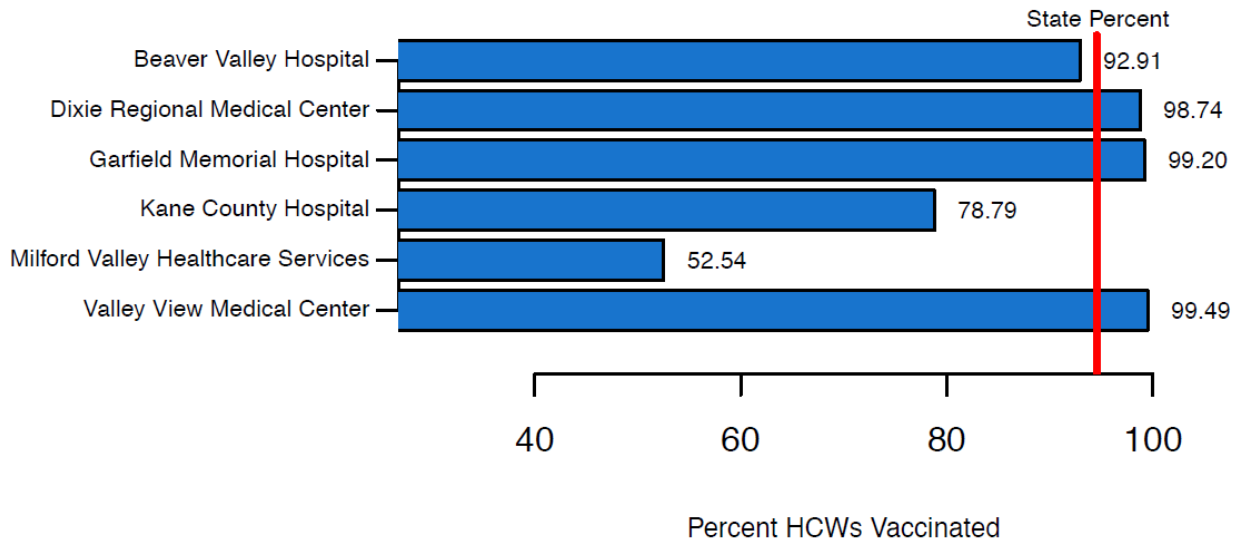
<b>Southwest Utah Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>2,788</b>	<b>2,702</b>	<b>96.92%</b>
Beaver Valley Hospital	127	118	92.91%
Dixie Regional Medical Center	1,987	1,962	98.74%
Garfield Memorial Hospital	125	124	99.20%
Kane County Hospital	99	78	78.79%
Milford Valley Healthcare Services	59	31	52.54%
Valley View Medical Center	391	389	99.49%

Source: NHSN and UDOH data.

\*Beaver, Garfield, Iron, Kane, and Washington Counties

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 7. Influenza vaccination rates for healthcare workers by licensed hospital, Southwest Utah Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Table 8. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Summit County, 2012-2013 influenza season**

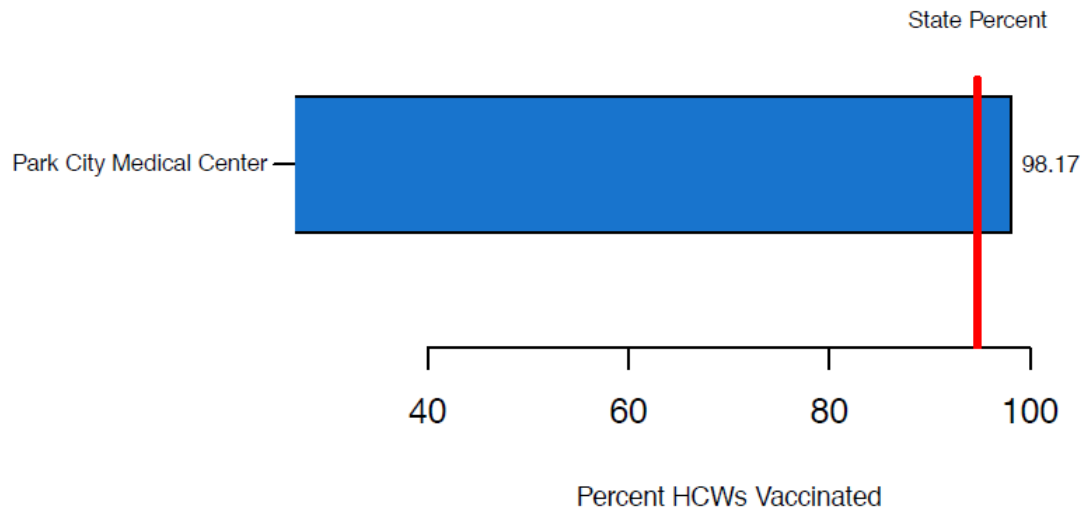
Summit County Health District*			
	Number of HCWs <sup>1</sup>	Number of vaccinated HCWs <sup>2</sup>	Influenza vaccination percentage <sup>3</sup>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>327</b>	<b>321</b>	<b>98.17%</b>
Park City Medical Center	327	321	98.17%

Source: NHSN and UDOH data.

\*Summit County

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 8. Influenza vaccination rates for healthcare workers by licensed hospital, Summit County Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Table 9. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Tooele County, 2012-2013 influenza season**

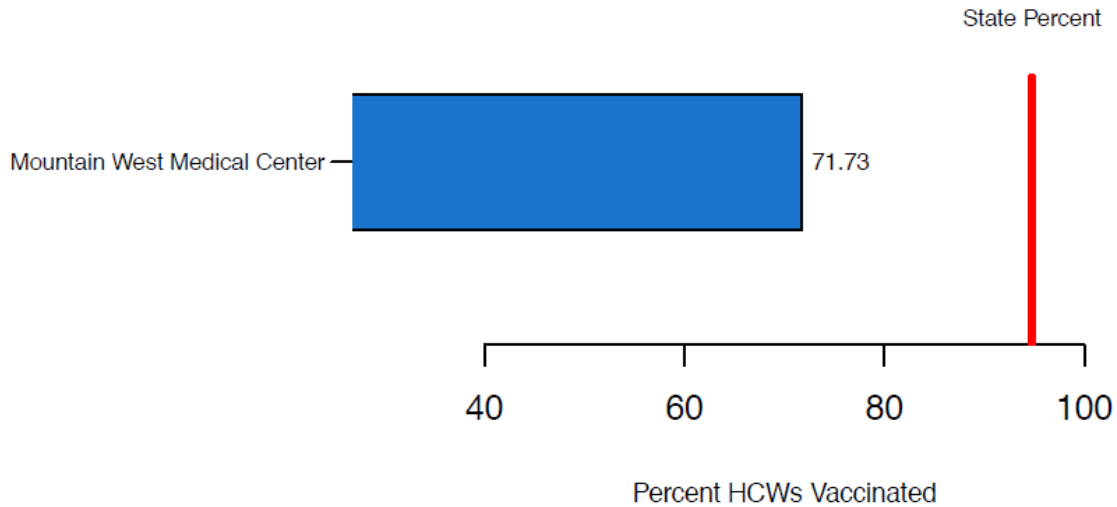
<b>Tooele County Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>421</b>	<b>302</b>	<b>71.73%</b>
Mountain West Medical Center	421	302	71.73%

Source: NHSN and UDOH data.

\*Tooele County

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 9. Influenza vaccination rates for healthcare workers by licensed hospital, Tooele County Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Table 10. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Tri-County, 2012-2013 influenza season**

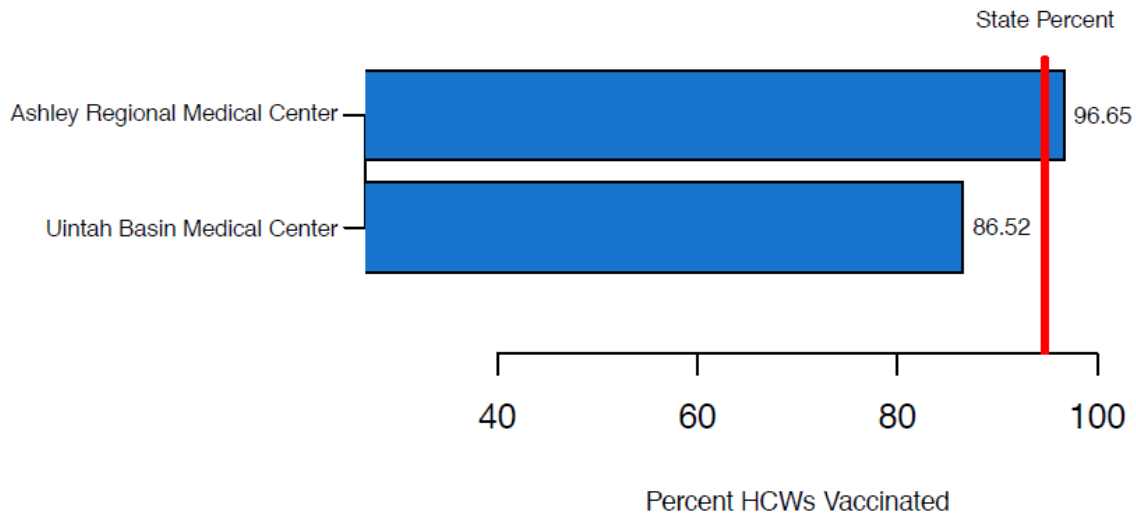
<b>Tri-County Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>981</b>	<b>876</b>	<b>89.30%</b>
Ashley Regional Medical Center	269	260	96.65%
Uintah Basin Medical Center	712	616	86.52%

Source: NHSN and UDOH data.

\*Daggett, Duchesne, and Uintah Counties

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 10. Influenza vaccination rates for healthcare workers by licensed hospital, Tri-County Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.



**Table 11. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Utah County, 2012-2013 influenza season**

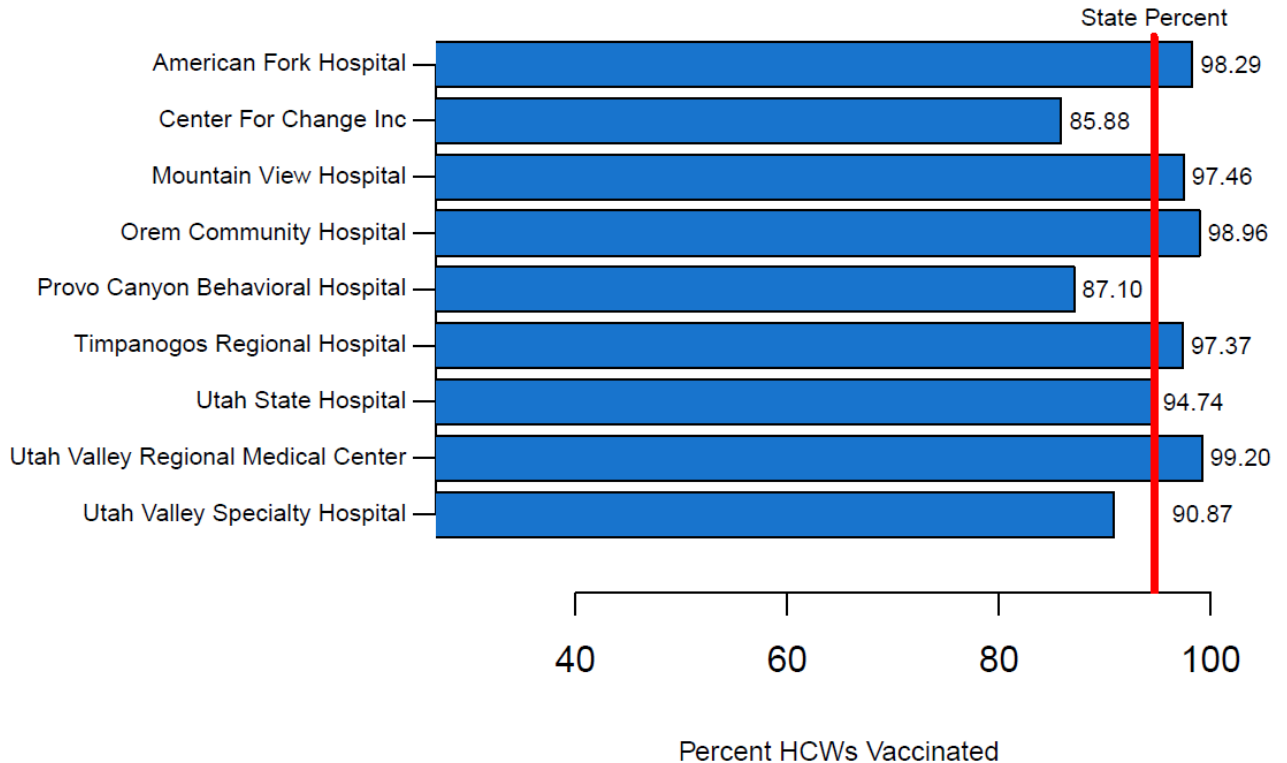
<b>Utah County Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>6,183</b>	<b>6,018</b>	<b>97.33%</b>
American Fork Hospital	703	691	98.29%
Center for Change, Inc.	170	146	85.88%
Mountain View Hospital	394	384	97.46%
Orem Community Hospital	192	190	98.96%
Provo Canyon Behavioral Hospital	124	108	87.10%
Timpanogos Regional Hospital	609	593	97.37%
Utah State Hospital	799	757	94.74%
Utah Valley Regional Medical Center	2,984	2,960	99.20%
Utah Valley Specialty Hospital	208	189	90.87%

Source: NHSN and UDOH data.

\*Utah County

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 11. Influenza vaccination rates for healthcare workers by licensed hospital, Utah County Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Table 12. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Wasatch County, 2012-2013 influenza season**

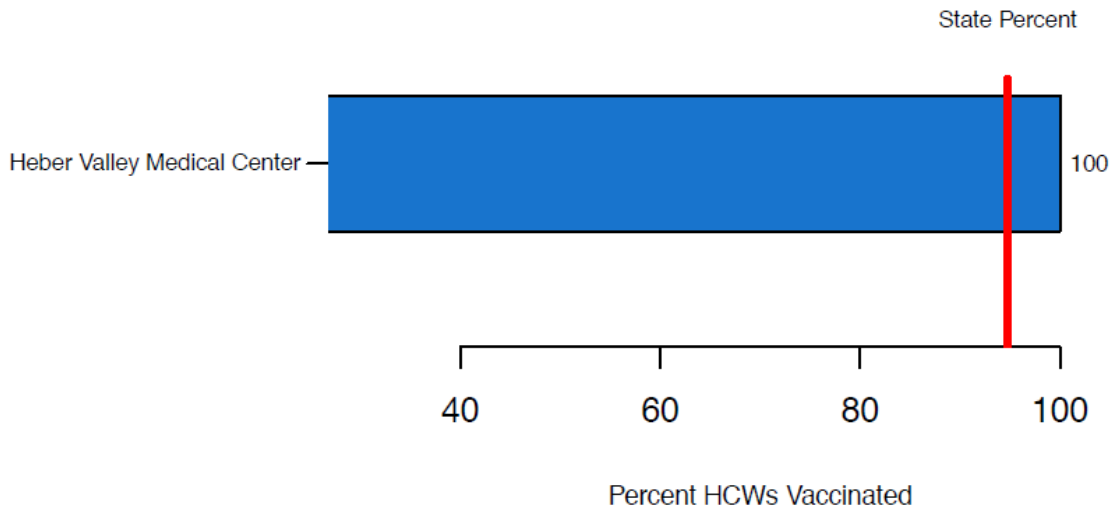
<b>Wasatch County Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>117</b>	<b>117</b>	<b>100.00%</b>
Heber Valley Medical Center	117	117	100.00%

Source: NHSN and UDOH data.

\*Wasatch County

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 12. Influenza vaccination rates for healthcare workers by licensed hospital, Wasatch County Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

**Table 13. Influenza vaccination coverage rates for healthcare workers in licensed hospitals by public health district, Weber-Morgan, 2012-2013 influenza season**

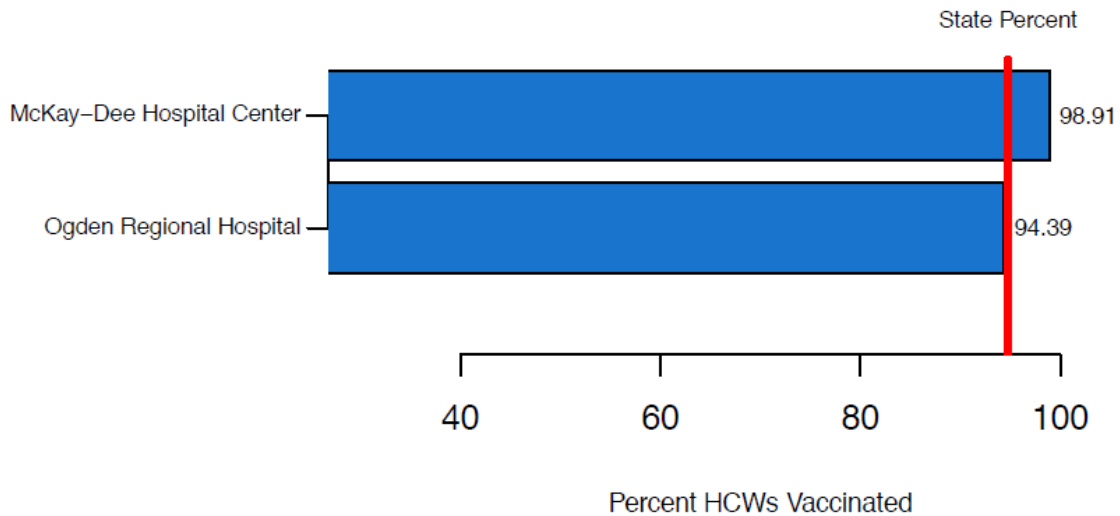
<b>Weber-Morgan Health District*</b>			
	<b>Number of HCWs<sup>1</sup></b>	<b>Number of vaccinated HCWs<sup>2</sup></b>	<b>Influenza vaccination percentage<sup>3</sup></b>
<b>State of Utah coverage</b>	<b>46,019</b>	<b>43,561</b>	<b>94.66%</b>
<b>Licensed hospitals**</b>	<b>3,418</b>	<b>3,343</b>	<b>97.81%</b>
McKay-Dee Hospital Center	2,580	2,552	98.91%
Ogden Regional Medical Center	838	791	94.39%

Source: NHSN and UDOH data.

\*Weber and Morgan Counties

\*\*Utah licensed hospitals include: acute care, long-term acute care, critical access, rehabilitation, psychiatric, children's and government hospitals.

**Figure 13. Influenza vaccination rates for healthcare workers by licensed hospital, Weber-Morgan Health District, 2012-2013 influenza season**



<sup>1</sup>Total number of healthcare workers employed in the licensed hospital.

<sup>2</sup>Total number of healthcare workers employed in the licensed hospital who received the influenza vaccine during the 2012-2013 influenza season.

<sup>3</sup>Vaccination coverage levels of healthcare workers who received influenza vaccine during 2012-2013 influenza season.

## Appendix A: Definitions

The following are definitions used in this report.

- 1. The Advisory Committee on Immunization Practices** - A group of medical and public health experts that develops recommendations on how to use vaccines to control diseases in the United States. The recommendations stand as public health advice that will lead to a reduction in the incidence of vaccine preventable diseases and an increase in the safe use of vaccines and related biological products.
- 2. Healthcare worker** - Any person employed by a healthcare facility and who in the usual course of work either enters patient rooms or provides direct patient care. Healthcare workers may include personnel such as physicians, nurses, nursing assistants, therapists, technicians, emergency medical service personnel, dental personnel, pharmacists, laboratory personnel, or dietary, housekeeping, and maintenance personnel.
- 3. Healthcare-associated infections** - An infection that develops in a resident who is cared for in any setting where healthcare is delivered (i.e., acute care hospital, skilled nursing facility, dialysis center, etc.) that was not developing or present at the time of admission to that setting.
- 4. Hospital facility types:**
  - Acute care** - A facility that provides diagnostic, therapeutic, and rehabilitative services to both inpatients and outpatients by or under the supervision of physicians.
  - Long-term acute care** - A hospital that provides on-site all basic services required of a general hospital that are needed for the diagnosis, therapy, and treatment offered or required by all patients admitted to the hospital, including pharmacy, laboratory, nursing services, occupational, physical, respiratory and speech therapies, dietary, social services, and specialized diagnosis and therapeutic services.
  - Children's hospitals** - For purposes of this report, a children's hospital refers to Primary Children's Medical Center and Shriners Hospital for Children in Salt Lake City, Utah.
  - Critical access** - A nonprofit, profit or public hospital that is enrolled as a Medicaid provider and qualifies as a Critical Access Hospital under 42, Code of Federal Regulations, Section 485, Subpart F - Conditions of Participation Critical Access Hospitals. Visit [www.CMS.gov](http://www.CMS.gov) for more information.
  - Government** - For purposes of this report, a government hospital refers to the Veterans Affairs Salt Lake City Health Care System in Salt Lake City, Utah.
  - Specialty hospital** - A facility that provides specialized diagnostic, therapeutic, or rehabilitative services in the recognized specialty or specialties for which the hospital is licensed including, but not limited to, psychiatric and rehabilitation hospitals.

## References

1. Curran, P., The Economic Effect of Influenza on Businesses, 2012. *Society for Human Resource Management*. Available at <http://www.shrm.org/hrdisciplines/safetysecurity/articles/Pages/Economic-Effect-Influenza-Businesses.aspx>. Accessed February 28, 2013.
2. CDC. Immunization of health-care personnel: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 2011;60(RR-7). Available at <http://www.cdc.gov/mmwr/preview/mmwrhtml/rr6007a1.htm>. Accessed February 27, 2013.
3. CDC. National Healthcare Safety Network (NHSN). Healthcare personnel influenza vaccination summary, United States, 2012-2013 influenza season. Available at <http://www.cdc.gov/nhsn/index.html>. Accessed February 12, 2013.
4. Utah Facility Online Reporting System (UFORS). Utah Department of Health (UDOH). Accessed February 5, 2013.
5. Talbot, TR, et al., *Infect Control Hosp Epidemiol* 2010; 31(10):987-995.

**Utah Department of Health  
Healthcare-Associated Infections  
Prevention & Reporting Program**  
P.O. Box 142104  
Salt Lake City, UT 84114  
<http://health.utah.gov/epi/HAI>  
PH 801-538-6191 • FAX 801-538-9923

