



**IMMUNIZATION REPORT FOR
LONG TERM CARE FACILITIES: 2008**



Prepared by
Carlie Shurtliff, MA

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

LONG TERM CARE FACILITIES*

| | |
|---|------------|
| Number of care facilities in Utah: | 272 |
|---|------------|

| | | |
|--|-----|---------------|
| Number of facilities that reported: | 268 | 98.53% |
|--|-----|---------------|

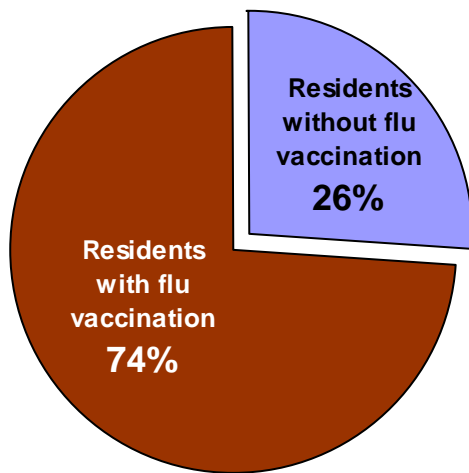
| | | |
|---|---|--------------|
| Number of facilities that didn't report: | 4 | 1.47% |
|---|---|--------------|

* Long Term Care Facilities include: nursing homes, assisted living facilities, small care facilities and hospital swing beds.

RESIDENTS:

| | |
|---|---------------|
| 1. If the facility has long term care residents, provide the number of residents in the facility between October 1 and December 31, or if the facility or hospital contains swing beds or transitional care beds, provide the number of occupants of these beds between October 1 and December 31: | 14,504 |
|---|---------------|

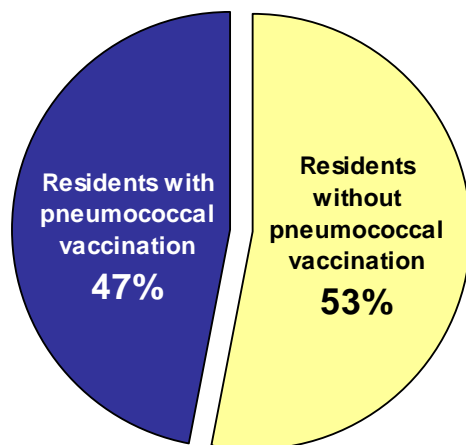
| | | |
|--|--------|---------------|
| 2. Number of residents/occupants who received an influenza vaccination this year between October 1 and December 31: | 10,754 | 74.15% |
|--|--------|---------------|



| | | | |
|---|------------|-----|---------------|
| 3. Are influenza vaccinations recommended to residents/occupants annually? | Yes | 266 | 99.25% |
| | No | 2 | 0.75% |

| | | | |
|---|------------|-----|---------------|
| 4. Are all new residents/occupants screened for influenza vaccination throughout the flu season (October through March)? | Yes | 240 | 89.55% |
| | No | 28 | 10.45% |

| | | |
|--|-------|---------------|
| 5. Number of residents/occupants between October 1 and December 31 who have ever received a pneumococcal (pneumonia) vaccination: | 6,761 | 46.61% |
|--|-------|---------------|



| | | | |
|--|------------|-----|---------------|
| 6. Are all residents/occupants screened for pneumococcal (pneumonia) vaccination? | Yes | 203 | 75.75% |
| | No | 65 | 24.25% |

| | | | |
|--|-----------------|-----|---------------|
| IF YES, is recall or memory of vaccination accepted AND/OR is documentation of vaccination required? | Memory | 172 | 84.73% |
| | Document | 31 | 15.27% |

| | | | |
|---|------------|-----|---------------|
| 7. Are recommended vaccines administered on-site in this facility? | Yes | 253 | 94.40% |
| | No | 15 | 5.60% |

| | | | |
|--|-----------------|-----|---------------|
| IF YES, are vaccines administered by facility staff, OR by a scheduled clinic conducted by an outside service? | Facility | 122 | 48.22% |
| | Outside | 131 | 51.78% |

| | | | | |
|---|------------------|------------|--------|---------------|
| 8. Is an immunization history (complete record of all immunizations) obtained and kept on file for all residents/occupants in this facility? | Facility | Yes | 51 | 19.03% |
| | | No | 217 | 80.97% |
| | Residents | Yes | 1,844 | 12.71% |
| | | No | 12,660 | 87.29% |

| | | |
|---|-----|---------------|
| IF YES, number of residents who have a current Td (Tetanus/diphtheria) vaccination: | 831 | 45.07% |
| Or Tdap (Tetanus/diphtheria/pertussis) | 171 | 9.27% |

| | | |
|--|-----|--------------|
| IF YES, number of residents who have received a varicella zoster (shingles) vaccination: | 122 | 6.62% |
|--|-----|--------------|

| | | |
|---|----|--------------|
| IF YES, number of residents who have received a varicella (chickenpox) vaccination: | 73 | 3.96% |
|---|----|--------------|

| | | |
|---|-----|---------------|
| IF YES, number of residents who have received the hepatitis B series: | 491 | 26.63% |
|---|-----|---------------|

| | | |
|---|-----|---------------|
| IF YES, number of residents who have received the hepatitis A series: | 515 | 27.93% |
|---|-----|---------------|

| | | |
|--|-------|---------------|
| 9. Number of residents/occupants who declined an influenza vaccination: | 2,668 | 18.39% |
|--|-------|---------------|

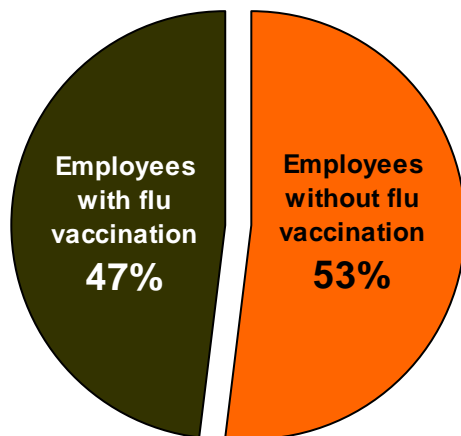
| | | |
|---|-------|---------------|
| 10. Number of residents/occupants who declined a pneumococcal (pneumonia) vaccination: | 3,657 | 25.21% |
|---|-------|---------------|

| | | | |
|--|------------|-----|---------------|
| 11. Does your facility provide waivers to document declined vaccinations for residents/occupants? | Yes | 183 | 68.28% |
| | No | 85 | 31.72% |

EMPLOYEES:

| | |
|--|---------------|
| 12. Number of all employees working in this facility between October 1 and December 31: | 16,300 |
|--|---------------|

| | | |
|--|-------|---------------|
| 13. Number of employees who have received an influenza vaccination: | 7,632 | 46.82% |
|--|-------|---------------|



| | | |
|---|-------|---------------|
| 14. Number of employees who declined an influenza vaccination: | 7,119 | 43.67% |
|---|-------|---------------|

| | | | |
|---|------------|-----|---------------|
| 15. Are employees required to receive influenza vaccinations in this facility? | Yes | 28 | 10.45% |
| | No | 240 | 89.55% |

| | | | |
|--|------------|-----|---------------|
| 16. Is an immunization history (complete record of all immunizations) obtained and kept on file for all employees in this facility? | Yes | 128 | 47.76% |
| | No | 140 | 52.24% |

| | | |
|--|------------|-------------------|
| 17. Number of employees in your facility who work directly with patients: | 11,189 | 68.64% |
| 18. Number of employees in direct patient care who have completed the hepatitis B series: | 6,175 | 55.19% |
| 19. Does your facility provide waivers to document declined vaccinations for employees? | Yes | 159 59.33% |
| | No | 109 40.67% |

LONG TERM CARE FACILITY RATES BY HEALTH DISTRICT:

| Bear River Health District* | | | | |
|------------------------------------|---------------|------------------------------|---------------------------------|--------------------------------|
| | Number | Influenza¹ | Pneumococcal¹ | Hepatitis B¹ |
| Facilities | 17 | NA | NA | NA |
| Residents | 823 | 78.5% (+6.8%) | 62.3% (-0.8%) | NA |
| Employees: | | | | |
| All | 1,367 | 47.3% (+4.8%) | NA | NA |
| Direct Patient Care | 979 | NA | NA | 44.3% (-8.2%) |

*Box Elder, Cache and Rich Counties

| Central Health District* | | | | |
|---------------------------------|---------------|------------------------------|---------------------------------|--------------------------------|
| | Number | Influenza¹ | Pneumococcal¹ | Hepatitis B¹ |
| Facilities | 14 | NA | NA | NA |
| Residents | 329 | 89.7% (+6.9%) | 53.5% (-15.3%) | NA |
| Employees: | | | | |
| All | 513 | 70.4% (-2.9%) | NA | NA |
| Direct Patient Care | 375 | NA | NA | 69.9% (+1.8%) |

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

| Davis County Health District* | | | | |
|--------------------------------------|---------------|------------------------------|---------------------------------|--------------------------------|
| | Number | Influenza¹ | Pneumococcal¹ | Hepatitis B¹ |
| Facilities | 26 | NA | NA | NA |
| Residents | 1,532 | 65.5% (-4.0%) | 33.8% (-1.7%) | NA |
| Employees: | | | | |
| All | 1,579 | 46.7% (+8.9%) | NA | NA |
| Direct Patient Care | 1,063 | NA | NA | 62.2% (+32.9%) |

*Davis County

¹ Vaccination coverage levels of residents and employees for this vaccine. Percentage of drop in vaccination coverage level from 2007 to 2008 indicated in red. Percentage of increase indicated in blue.

| Salt Lake Valley Health District* | | | | |
|--|---------------|------------------------------|---------------------------------|--------------------------------|
| | Number | Influenza¹ | Pneumococcal¹ | Hepatitis B¹ |
| Facilities | 84 | NA | NA | NA |
| Residents | 5,881 | 73.7% (+1.5%) | 45.2% (+6.5%) | NA |
| Employees: | | | | |
| All | 5,405 | 41.7% (-2.2%) | NA | NA |
| Direct Patient Care | 3,406 | NA | NA | 52.3% (+2.9%) |

*Salt Lake County

| Southeastern Utah Health District* | | | | |
|---|---------------|------------------------------|---------------------------------|--------------------------------|
| | Number | Influenza¹ | Pneumococcal¹ | Hepatitis B¹ |
| Facilities | 7 | NA | NA | NA |
| Residents | 257 | 81.7% (+0.1%) | 51.8% (+2.3%) | NA |
| Employees: | | | | |
| All | 326 | 66.3% (+10.0%) | NA | NA |
| Direct Patient Care | 237 | NA | NA | 40.9% (-4.8%) |

*Carbon, Emery, Grand and San Juan Counties

| Southwest Utah Health District* | | | | |
|--|---------------|------------------------------|---------------------------------|--------------------------------|
| | Number | Influenza¹ | Pneumococcal¹ | Hepatitis B¹ |
| Facilities | 35 | NA | NA | NA |
| Residents | 1,395 | 74.9% (+19.9%) | 40.1% (+9.1%) | NA |
| Employees: | | | | |
| All | 1,601 | 52.5% (-0.3%) | NA | NA |
| Direct Patient Care | 1,036 | NA | NA | 61.5% (+9.5%) |

*Beaver, Garfield, Iron, Kane and Washington Counties

| Summit Health District* | | | | |
|--------------------------------|---------------|------------------------------|---------------------------------|--------------------------------|
| | Number | Influenza¹ | Pneumococcal¹ | Hepatitis B¹ |
| Facilities | 1 | NA | NA | NA |
| Residents | 32 | 78.1% (+2.3%) | 53.1% (+13.7%) | NA |
| Employees: | | | | |
| All | 34 | 11.8% (-41.1%) | NA | NA |
| Direct Patient Care | 20 | NA | NA | 55.0% (+14.1) |

*Summit County

¹ Vaccination coverage levels of residents and employees for this vaccine. Percentage of drop in vaccination coverage level from 2007 to 2008 indicated in red. Percentage of increase indicated in blue.

| Tooele Health District* | | | | |
|-------------------------|--------|--------------------------|---------------------------|--------------------------|
| | Number | Influenza ¹ | Pneumococcal ¹ | Hepatitis B ¹ |
| Facilities | 4 | NA | NA | NA |
| Residents | 132 | 97.0% (+4.5%) | 49.2% (-7.9%) | NA |
| Employees: | | | | |
| All | 541 | 43.1% (-20.2%) | NA | NA |
| Direct Patient Care | 453 | NA | NA | 89.0% (+5.1%) |

*Tooele County

| TriCounty Health District* | | | | |
|----------------------------|--------|--------------------------|---------------------------|--------------------------|
| | Number | Influenza ¹ | Pneumococcal ¹ | Hepatitis B ¹ |
| Facilities | 6 | NA | NA | NA |
| Residents | 255 | 87.1% (+8.6%) | 50.2% (-6.0%) | NA |
| Employees: | | | | |
| All | 515 | 72.2% (+12.0%) | NA | NA |
| Direct Patient Care | 401 | NA | NA | 79.8% (+15.1%) |

*Daggett, Duchesne and Uintah Counties

| Utah County Health District* | | | | |
|------------------------------|--------|-------------------------|---------------------------|--------------------------|
| | Number | Influenza ¹ | Pneumococcal ¹ | Hepatitis B ¹ |
| Facilities | 52 | NA | NA | NA |
| Residents | 2,215 | 76.6% (-0.8%) | 56.0% (-3.1%) | NA |
| Employees: | | | | |
| All | 2,797 | 43.3% (-5.1%) | NA | NA |
| Direct Patient Care | 2,078 | NA | NA | 48.5% (+0.6%) |

*Utah County

| Wasatch County Health District* | | | | |
|---------------------------------|--------|--------------------------|---------------------------|--------------------------|
| | Number | Influenza ¹ | Pneumococcal ¹ | Hepatitis B ¹ |
| Facilities | 2 | NA | NA | NA |
| Residents | 47 | 95.7% (+4.6%) | 95.7% (+22.4%) | NA |
| Employees: | | | | |
| All | 51 | 84.3% (+15.4%) | NA | NA |
| Direct Patient Care | 29 | NA | NA | 58.6% (+33.6%) |

*Wasatch County

¹ Vaccination coverage levels of residents and employees for this vaccine. Percentage of drop in vaccination coverage level from 2007 to 2008 indicated in red. Percentage of increase indicated in blue.

| Weber-Morgan Health District* | | | | |
|--------------------------------------|---------------|--------------------------------|---------------------------------|--------------------------------|
| | Number | Influenza¹ | Pneumococcal¹ | Hepatitis B¹ |
| Facilities | 20 | NA | NA | NA |
| Residents | 1,606 | 68.5% <i>(-3.9%)</i> | 44.1% <i>(-0.5%)</i> | NA |
| Employees: | | | | |
| All | 1,571 | 45.3% <i>(-1.1%)</i> | NA | NA |
| Direct Patient Care | 1,112 | NA | NA | 48.8% <i>(-3.1%)</i> |

*Morgan and Weber Counties

¹ Vaccination coverage levels of residents and employees for this vaccine. Percentage of drop in vaccination coverage level from 2007 to 2008 indicated in red. Percentage of increase indicated in blue.

COMPARATIVE DATA:

Influenza Vaccine Coverage

| Year | U.S. BRFSS ¹ for Flu | Utah BRFSS ¹ for Flu | Utah LTC Rate ² for Flu |
|------|---------------------------------|---------------------------------|------------------------------------|
| 2004 | 68.0% | 75.5% | 71.8% |
| 2005 | 65.7% | 69.6% | 72.6% |
| 2006 | 69.6% | 72.1% | 72.0% |
| 2007 | 72.0% | 76.2% | 71.6% |
| 2008 | 71.1% | 73.3% | 74.2% |

Pneumococcal Polysaccharide Vaccine (PPV) Coverage

| Year | U.S. BRFSS ¹ for PPV | Utah BRFSS ¹ for PPV | Utah LTC Rate ² for PPV |
|------|---------------------------------|---------------------------------|------------------------------------|
| 2004 | 64.7% | 65.8% | 27.4% |
| 2005 | 65.9% | 66.4% | 40.3% |
| 2006 | 66.9% | 65.9% | 44.1% |
| 2007 | 67.3% | 68.8% | 44.2% |
| 2008 | 66.9% | 69.2% | 46.6% |

¹ Behavioral Risk Factor Surveillance Survey rate: the percentage of surveyed non-institutionalized persons aged 65 years and older who have received vaccination.

² Long Term Care Facility rate: the percentage of residents/occupants of nursing homes, assisted living facilities, small care facilities and hospital swing beds who have received vaccination.

Influenza Vaccine Coverage for Health Care Personnel (HCP) ¹

| Year | U.S. HCP ² | Utah Hospital HCP ³ | Utah LTC HCP ⁴ |
|------|-----------------------|--------------------------------|---------------------------|
| 2002 | 40% | 58.0% | NA |
| 2003 | 40% | NA | 46.2% |
| 2004 | 42% ⁵ | 55.0% | 39.4% |
| 2005 | NA ⁵ | NA | 45.8% |
| 2006 | NA ⁵ | NA | 48.2% |
| 2007 | NA ⁵ | 72.3% | 47.8% |
| 2008 | NA ⁵ | 75.5% | 46.8% |

¹ "The term HCP refers to all paid and unpaid persons working in health care settings who have the potential for exposure to infectious materials, including body substances, contaminated medical supplies and equipment, contaminated environmental surfaces, or contaminated air. Health Care Personnel (HCP) might include (but are not limited to) physicians, nurses, nursing assistants, therapists, technicians, emergency medical service personnel, dental personnel, pharmacists, laboratory personnel, autopsy personnel, students and trainees, contractual staff not employed by the health care facility, and persons (e.g., clerical, dietary, housekeeping, maintenance, and volunteers) not directly involved in patient care but potentially exposed to infectious agents that can be transmitted to and from HCP. The recommendations apply to HCP in acute care hospitals, nursing homes, skilled nursing facilities, physician's offices, urgent care centers, outpatient clinics, and to persons who provide home health care and emergency medical services." *Influenza Vaccination of Health-Care Personnel* (MMWR 2006;55:1)

² "During 1989-2003, HCP vaccination coverage levels in the United States increased substantially, from 10% to 40%; however, coverage levels have remained relatively constant since 1997....Substantially lower vaccination rates have been reported among HCP who have contact with certain populations at high risk. In addition, HCP vaccination coverage varies by level and years of training, age, occupational group, and facility type." *Influenza Vaccination of Health-Care Personnel* (MMWR 2006;55:4).

³ Utah hospitals were surveyed by the Utah Immunization Program in 2002 and 2004. This rate is based on the ratio of the total number of employees to the number of vaccinated employees. The rate for hospital HCP in 2007 was collected through a new epidemiology infectious disease reporting system. The rate for 2007 represents 52 out of 56 hospitals. The rate for 2008 represents 56 out of 56 hospitals. "Health care worker" as written in the Utah Health Care Associated Infection rule R386-705 states "any person employed by a health care facility and who in the usual course of work either enters patient rooms or provides direct patient care. Health care workers may include personnel such as physicians, nurses, nursing assistants, therapists, technicians, emergency medical service personnel, dental personnel, pharmacists, laboratory personnel, dietary, housekeeping, and maintenance personnel."

⁴ Percentage is taken from the ratio of total employees to the number of vaccinated employees as reported in the *Immunization Report for Long Term Care Facilities* from 2003 through 2008. Reporting began in 2003.

⁵ Percentage changed from the *Immunization Report for Long Term Care Facilities 2005* due to updated national immunization coverage data cited in *Prevention and Control of Influenza* (MMWR 2007;55:10). The new coverage rate is cited from an unpublished study of the 2004 National Health Interview Survey (NHIS) analyzed in 2006 by the Centers for Disease Control and Prevention (CDC) that was published in 2007. The data indicate a 42% influenza vaccination coverage level among HCP in 2004. This remains the most current national rate available.