

Focus Area 14: Immunization and Infectious Diseases

Objective 14-23. Maintain vaccination coverage levels for children in licensed day care facilities and children in kindergarten. [State Data Source: Annual Immunization Assessment Reports, CDC, NIP; Childcare Immunization Assessment Reports, CDPH, IB]

Children in licensed day care (ages 2-4 years)

Objective 14-23a. Diphtheria-tetanus-acellular pertussis (DTaP) vaccine. Target = 95.0 percent

California data provided by the CDPH Immunization Branch indicate that 95.4 percent of children aged two to four years in licensed day care facilities had received 4+ DTaP vaccinations during 2007-2008 (**Figure 14-23.1, Table 14-23**). No significant trend was found in the data, and this HP2010 objective has been achieved each year since 2000-2001.

Objective 14-23b. Measles/mumps/rubella (MMR) vaccines. Target = 95.0 percent

California data show that 97.2 percent of children aged two to four years in licensed day care facilities had received 1+ MMR vaccinations during 2007-2008 (**Figure 14-23.1, Table 14-23**). No significant trend was found in the data, and this HP2010 objective has been achieved each year since 2000-2001.

Objective 14-23c. Polio vaccine. Target = 95.0 percent

California data show that 97.3 percent of children aged two to four years in licensed day care facilities had received 3+ Polio vaccinations during 2007-2008 (**Figure 14-23.1, Table 14-23**). No significant trend was found in the data, and this HP2010 objective has been achieved each year since 2000-2001.

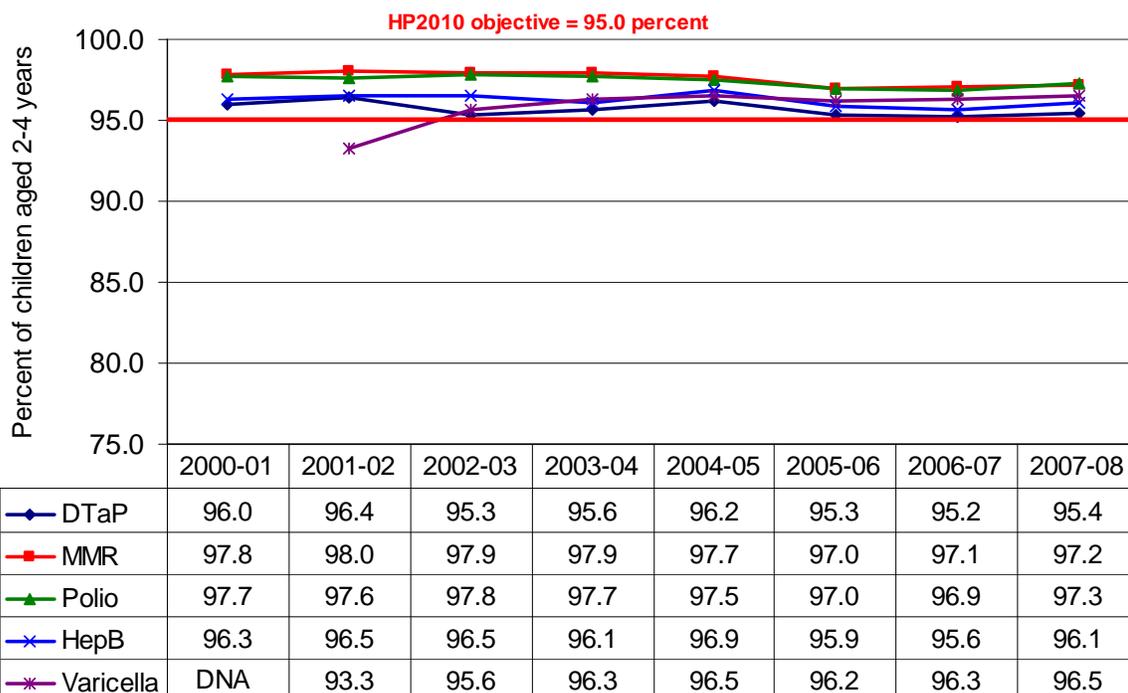
Objective 14-23d. Hepatitis B (HepB) vaccine. Target = 95.0 percent

California data show that 96.1 percent of children aged two to four years in licensed day care facilities had received 3+ Hep B vaccinations during 2007-2008 (**Figure 14-23.1, Table 14-23**). No significant trend was found in the data, and this HP2010 objective has been achieved each year since 2000-2001.

Objective 14-23e. Varicella (Var) vaccine. Target = 95.0 percent

California data show that 96.5 percent of children aged two to four years in licensed day care facilities had received 1+ Var vaccinations during 2007-2008 (**Figure 14-23.1, Table 14-23**). This HP2010 objective has been achieved each year since 2001-2002.

**Figure 14-23.1. Vaccination Coverage Levels
Children in Licensed Day Care, California, 2000-2008**



SOURCE: California Department of Public Health, Center for Infectious Diseases, Immunization Branch.

NOTE: DNA = Data not available.

For more information on vaccination coverage for children in licensed day care facilities, visit the CDPH Immunization Branch Web site at:

<http://www.cdph.ca.gov/programs/immunize/Pages/default.aspx>

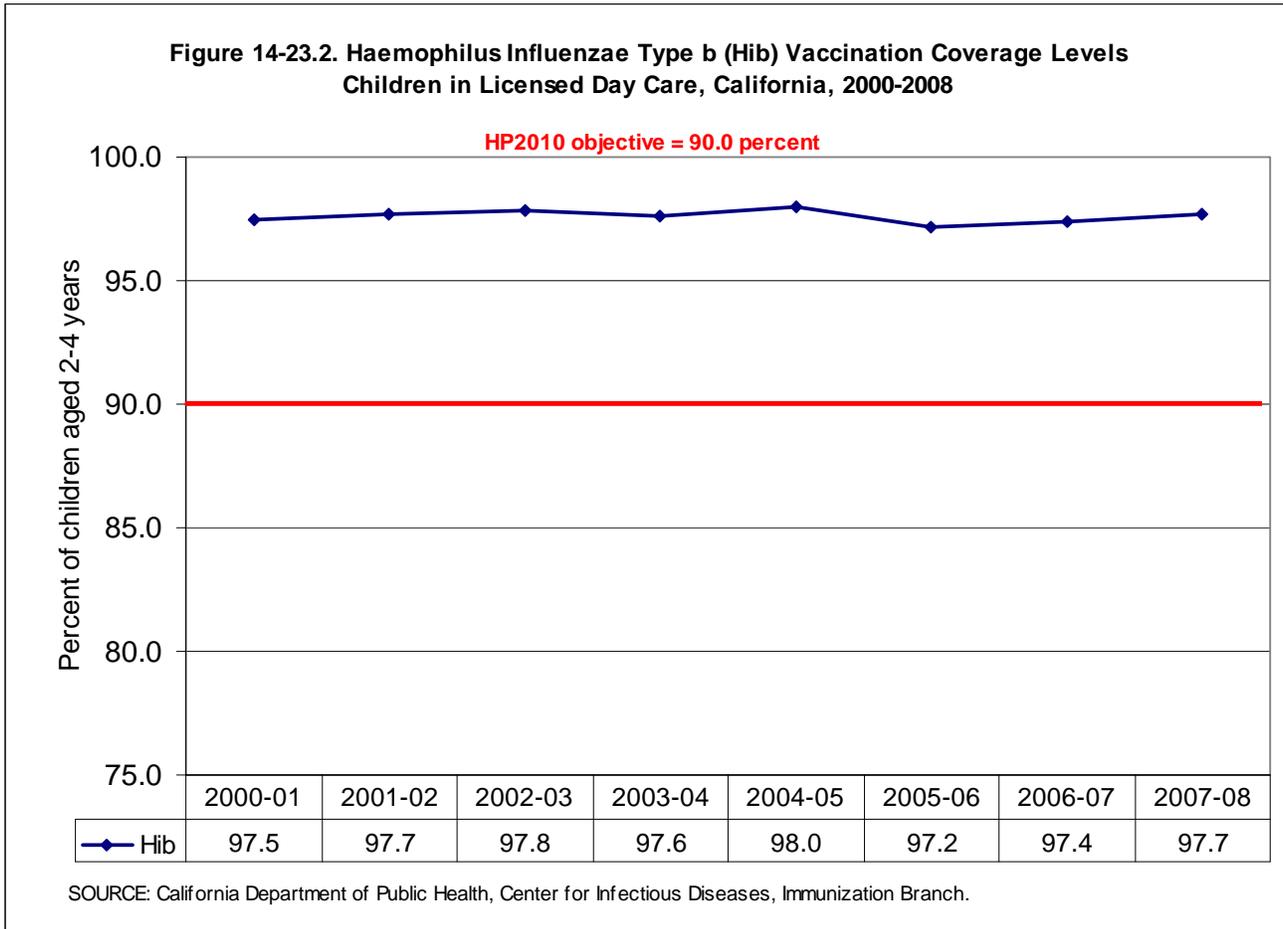
For more information on Healthy People 2010 objective 14-23, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume1/14Immunization.htm>

and the DATA2010 Web site at: <http://wonder.cdc.gov/data2010/>

Objective 14-23I. Haemophilus influenzae type b (Hib). Target = 90.0 percent.

California data provided by the CDPH Immunization Branch indicate that 97.7 percent of children aged two to four years in licensed day care facilities had received Hib vaccinations in 2007-2008 (**Figure 14-23.2, Table 14-23**). No significant trend was found in the data, and this HP2010 objective has been achieved each year since 2000-2001.



Children in kindergarten (ages 4-6 years)

Objective 14-23f. Diphtheria-tetanus-acellular pertussis (DTaP) vaccine. Target = 95.0 percent

California data provided by the CDPH Immunization Branch indicate that 94.1 percent of children aged four to six years in kindergarten had received 4+ DTaP vaccinations during 2007-2008 (**Figure 14-23.3, Table 14-23**). This represents a statistically significant decline from 96.3 percent reported for 2000-2001, and the HP2010 objective was not being achieved for California's kindergarten population since 2005-2006.

Objective 14-23g. Measles/mumps/rubella (MMR) vaccines. Target = 95.0 percent

California data indicate that 94.6 percent of children aged four to six years in kindergarten had received 2+ MMR vaccinations during 2007-2008 (**Figure 14-23.3, Table 14-23**). This represents a statistically significant decrease from 96.3 percent reported for 2000-2001, and the first year this HP2010 objective was not achieved.

Objective 14-23h. Polio vaccine. Target = 95.0 percent

California data provided by the CDPH Immunization Branch indicate that 94.5 percent of children aged four to six years in kindergarten had received 3+ Polio vaccinations during 2007-2008 (**Figure 14-23.3, Table 14-23**). This represents a significant decline in vaccination rates, and the first year this HP2010 objective was not achieved since 2000-2001.

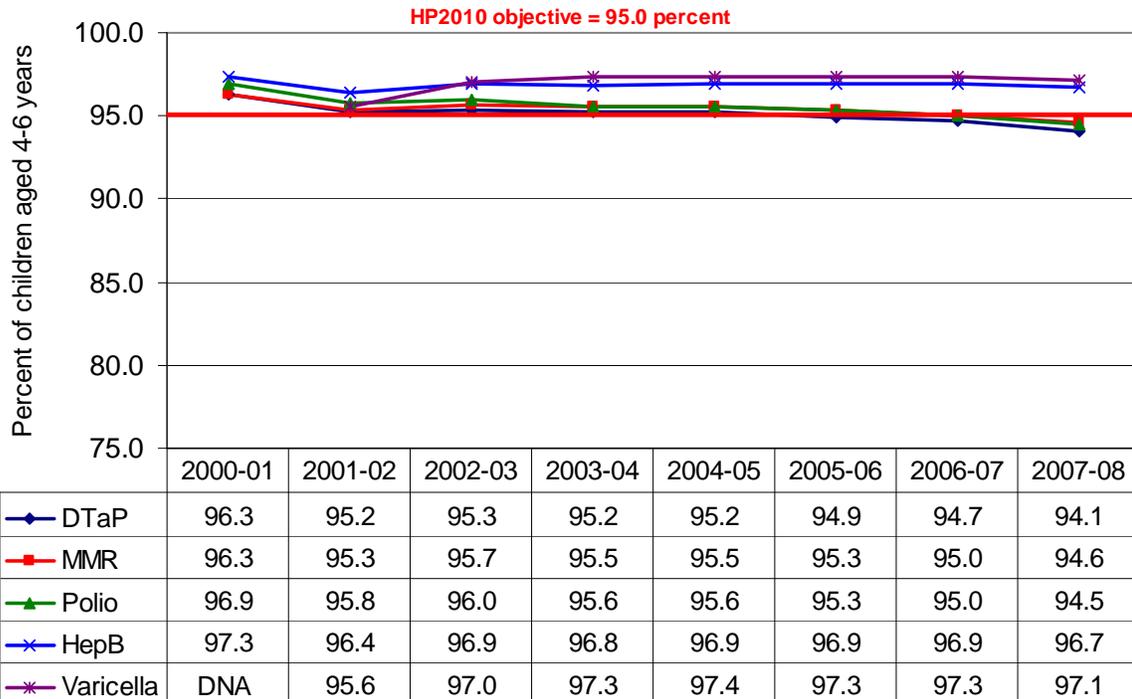
Objective 14-23i. Hepatitis B (Hep B) vaccine. Target = 95.0 percent

California data provided by the CDPH Immunization Branch indicate that 96.7 percent of children aged four to six years in kindergarten had received 3+ Hep B vaccinations during 2007-2008 (**Figure 14-23.3, Table 14-23**). No significant trend was found in the data, and this HP2010 objective has been achieved for California's children each year since 2000-2001.

Objective 14-23j. Varicella (Var) vaccine. Target = 95.0 percent

California data provided by the CDPH Immunization Branch indicate that 97.1 percent of children aged four to six years in kindergarten had received 1+ Var vaccinations during 2007-2008 (**Figure 14-23.3, Table 14-23**). No significant trend was found in the data, and this HP2010 objective has been achieved for California's children each year since 2000-2001.

**Figure 14-23.3. Vaccination Coverage Levels
Children in Kindergarten, California, 2000-2008**



SOURCE: California Department of Public Health, Center for Infectious Diseases, Immunization Branch.
NOTE: DNA = Data not available.

For more information on vaccination coverage for children in kindergarten, visit the CDPH Immunization Branch Web site at:

<http://www.cdph.ca.gov/programs/immunize/Pages/default.aspx>

For more information on Healthy People 2010 objective 14-23, please visit:
<http://www.healthypeople.gov/Document/HTML/Volume1/14Immunization.htm>

and the DATA2010 Web site at: <http://wonder.cdc.gov/data2010/>

Table 14-23. Vaccination coverage levels among children in daycare and kindergarten, California 2000-2008

HP2010 Objectives targeting children in licensed day care		HP2010 Target	2000-01				2001-02			
			Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.	Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.
14-23a	Diphtheria-tetanus-acellular pertussis (DTaP) vaccine	95%	412,770	96.0	95.9	96.1	421,777	96.4	96.3	96.5
14-23b	Measles-mumps-rubella (MMR) vaccine	95%	420,487	97.8	97.6	98.0	428,766	98.0	97.9	98.1
14-23c	Polio vaccine	95%	420,455	97.7	97.5	97.9	427,283	97.6	97.5	97.7
14-23d	Hepatitis B (Hep B) vaccine	95%	414,418	96.3	96.2	96.4	422,242	96.5	96.4	96.6
14-23e	Varicella vaccine	95%	n/a	n/a	-----	-----	408,186	93.3	93.2	93.4
14-23k	Pneumococcal conjugate vaccine	95%	n/a	n/a	-----	-----	n/a	n/a	-----	-----
14-23l	Haemophilus influenzae type b (Hib) vaccine	90%	419,212	97.5	97.3	97.7	427,775	97.7	97.6	97.8

HP2010 Objectives targeting children in licensed day care		HP2010 Target	2002-03				2003-04			
			Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.	Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.
14-23a	Diphtheria-tetanus-acellular pertussis (DTaP) vaccine	95%	424,136	95.3	95.2	95.4	436,558	95.6	95.5	95.7
14-23b	Measles-mumps-rubella (MMR) vaccine	95%	435,765	97.9	97.8	98.0	446,924	97.9	97.8	98.0
14-23c	Polio vaccine	95%	435,295	97.8	97.7	97.9	446,129	97.7	97.6	97.8
14-23d	Hepatitis B (HepB) vaccine	95%	429,605	96.5	96.4	96.6	439,063	96.1	96.0	96.2
14-23e	Varicella vaccine	95%	425,335	95.6	95.5	95.7	439,625	96.3	96.2	96.4
14-23k	Pneumococcal conjugate vaccine	95%	n/a	n/a	-----	-----	n/a	n/a	-----	-----
14-23l	Haemophilus influenzae type b (Hib) vaccine	90%	435,439	97.8	97.7	97.9	445,661	97.6	97.5	97.7

HP2010 Objectives targeting children in licensed day care		HP2010 Target	2004-05				2005-06			
			Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.	Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.
14-23a	Diphtheria-tetanus-acellular pertussis (DTaP) vaccine	95%	469,333	96.2	96.1	96.3	475,449	95.3	95.2	95.4
14-23b	Measles-mumps-rubella (MMR) vaccine	95%	476,555	97.7	97.6	97.8	484,141	97.0	96.9	97.1
14-23c	Polio vaccine	95%	475,599	97.5	97.4	97.6	483,672	97.0	96.9	97.1
14-23d	Hepatitis B (HepB) vaccine	95%	472,445	96.9	96.8	97.0	478,525	95.9	95.8	96.0
14-23e	Varicella vaccine	95%	470,887	96.5	96.4	96.6	479,997	96.2	96.1	96.3
14-23k	Pneumococcal conjugate vaccine	95%	n/a	n/a	-----	-----	n/a	n/a	-----	-----
14-23l	Haemophilus influenzae type b (Hib) vaccine	90%	477,799	98.0	97.9	98.1	484,881	97.2	97.1	97.3

HP2010 Objectives targeting children in licensed day care		HP2010 Target	2006-07				2007-08			
			Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.	Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.
14-23a	Diphtheria-tetanus-acellular pertussis (DTaP) vaccine	95%	486,646	95.2	95.1	95.3	488,667	95.4	95.3	95.5
14-23b	Measles-mumps-rubella (MMR) vaccine	95%	496,283	97.1	97.0	97.2	498,296	97.2	97.1	97.3
14-23c	Polio vaccine	95%	495,368	96.9	96.8	97.0	498,590	97.3	97.2	97.4
14-23d	Hepatitis B (HepB) vaccine	95%	488,498	95.6	95.5	95.7	492,613	96.1	96.0	96.2
14-23e	Varicella vaccine	95%	492,395	96.3	96.2	96.4	494,678	96.5	96.4	96.6
14-23k	Pneumococcal conjugate vaccine	95%	n/a	n/a	-----	-----	n/a	n/a	-----	-----
14-23l	Haemophilus influenzae type b (Hib) vaccine	90%	497,933	97.4	97.3	97.5	500,739	97.7	97.6	97.8

HP2010 Objectives targeting children in kindergarten		HP2010 Target	2000-01				2001-02			
			Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.	Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.
14-23f	Diphtheria-tetanus-acellular pertussis (DTaP) vaccine	95%	506,796	96.3	96.2	96.4	498,639	95.2	95.1	95.3
14-23g	Measles-mumps-rubella (MMR) vaccine	95%	507,083	96.3	96.2	96.4	499,073	95.3	95.2	95.4
14-23h	Polio vaccine	95%	510,148	96.9	96.8	97.0	501,553	95.8	95.7	95.9
14-23i	Hepatitis B (HepB) vaccine	95%	512,295	97.3	97.2	97.4	504,732	96.4	96.3	96.5
14-23j	Varicella vaccine	95%	n/a	n/a	-----	-----	500,455	95.6	95.5	95.7

HP2010 Objectives targeting children in kindergarten		HP2010 Target	2002-03				2003-04			
			Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.	Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.
14-23f	Diphtheria-tetanus-acellular pertussis (DTaP) vaccine	95%	495,240	95.3	95.2	95.4	488,718	95.2	95.1	95.3
14-23g	Measles-mumps-rubella (MMR) vaccine	95%	497,200	95.7	95.6	95.8	490,643	95.5	95.4	95.6
14-23h	Polio vaccine	95%	498,423	96.0	95.9	96.1	490,779	95.6	95.5	95.7
14-23i	Hepatitis B (HepB) vaccine	95%	503,099	96.9	96.8	97.0	496,989	96.8	96.7	96.9
14-23j	Varicella vaccine	95%	503,957	97.0	96.9	97.1	499,607	97.3	97.2	97.4

HP2010 Objectives targeting children in kindergarten		HP2010 Target	2004-05				2005-06			
			Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.	Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.
14-23f	Diphtheria-tetanus-acellular pertussis (DTaP) vaccine	95%	485,509	95.2	95.1	95.3	486,818	94.9	94.8	95.0
14-23g	Measles-mumps-rubella (MMR) vaccine	95%	487,005	95.5	95.4	95.6	488,592	95.3	95.2	95.4
14-23h	Polio vaccine	95%	487,506	95.6	95.5	95.7	488,496	95.3	95.2	95.4
14-23i	Hepatitis B (HepB) vaccine	95%	494,052	96.9	96.8	97.0	496,944	96.9	96.8	97.0
14-23j	Varicella vaccine	95%	496,882	97.4	97.3	97.5	498,972	97.3	97.2	97.4

HP2010 Objectives targeting children in kindergarten		HP2010 Target	2006-07				2007-08			
			Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.	Number ¹	Rate ²	Lower 95% C.I.	Upper 95% C.I.
14-23f	Diphtheria-tetanus-acellular pertussis (DTaP) vaccine	95%	476,383	94.7	94.6	94.8	469,915	94.1	94.0	94.2
14-23g	Measles-mumps-rubella (MMR) vaccine	95%	477,788	95.0	94.9	95.1	472,326	94.6	94.5	94.7
14-23h	Polio vaccine	95%	478,022	95.0	94.9	95.1	471,699	94.5	94.4	94.6
14-23i	Hepatitis B (HepB) vaccine	95%	487,374	96.9	96.8	97.0	482,806	96.7	96.6	96.8
14-23j	Varicella vaccine	95%	489,367	97.3	97.2	97.4	484,885	97.1	97.0	97.2

SOURCE: California Department of Public Health, Center for Infectious Diseases, Immunization Branch.

NOTES: n/a = Data not available.

¹ Number of children aged 2-4 years enrolled in licensed day care or aged 4-6 years enrolled in kindergarten who have been vaccinated.

² Percent of children aged 2-4 years enrolled in licensed day care or aged 4-6 years enrolled in kindergarten who have been vaccinated.