



Estimates of Influenza Vaccination Target Population Sizes in 2006 and Recent Vaccine Uptake Levels

	2006		
	Population (millions) ¹	Percent Vaccinated ²	Doses Used (millions) ²
Total target	218.1	32.3%	70.4
High Risk	91.2	47.2%	43.0
≥65 years ³	37.2	64.6%	24.0
Chronic illness ⁴	44.0	35.4%	15.6
50-64 years	17.1	45.5%	7.8
18-49 years	20.1	26.0%	5.2
5-17 years	5.5	36.6%	2.0
24-59 months	1.3	41.5%	0.6
Pregnant women ⁵	4.0	12.9%	0.5
All children aged 6-23 months ⁶	6.0	48.4%	2.9
Other Target Groups	126.9	21.6%	27.4
Health Care Personnel <65 years ⁷	7.0	41.9%	2.9
Healthy Household Contacts ⁸	94.8	17.9%	16.9
50-64 years	15.0	33.2%	4.9
18-49 years	55.1	15.4%	8.5
5-17 years	21.2	10.8%	2.3
24-59 months	3.5	35.0%	1.2
Healthy 24-59 month-olds who are not household contacts of high-risk persons or contacts of other persons aged 24-59 months	7.1	24.5%	1.8
Healthy 50-64 year-olds who are not household contacts of high-risk persons or contacts of persons aged 24-59 months	18.0	32.1%	5.8
Total, persons aged ≥6 months	296.2	27.7%	82.0
Total, all persons (U.S. population)	298.2		
Target persons (73.1% of U.S. population)	218.1	32.3%	70.5
Non-target persons (aged 5 to <50 years)	78.1	14.8%	11.5

Estimates of Influenza Vaccination Targeted Population Sizes in 2006 and Recent Vaccine Uptake Levels (continued from previous page)

1. Based on U.S. Interim population projections by age, sex, race, and Hispanic origin: 2000 to 2050 (Population Projections Branch, U.S. Census Bureau, released 5/11/04).
2. Vaccination rates and doses used in adult groups based on 2004 NHIS vaccine coverage estimates (CDC unpublished data). Vaccination rates in pediatric groups based on estimates from February 2005 BRFSS (MMWR 2005;54(12):304-307, www.cdc.gov/mmwr/preview/mmwrhtml/mm5412a3.htm.)
3. Includes approximately 1.6 million institutionalized persons.
4. Estimated number of persons at high risk for influenza complications because of chronic illness based on age-specific population estimate and estimated proportion of persons (or parents for persons aged <18 years) reporting selected medical conditions for the National Health Interview Survey (NHIS) (33.0% for persons aged 50-64, 14.9% for persons aged 18-49, 10.2% for children 5-17 years of age, and 11.3% for children 24-59 months of age based on NHIS 2002). Not all high-risk conditions for influenza are included in the NHIS. For persons aged 18-64, reported medical conditions included in the NHIS that were used to estimate the number of high-risk persons included: ever having been told by a physician they have diabetes, emphysema, coronary artery disease, angina, heart attack or other heart conditions; being diagnosed with cancer in the past 12 months (excluding non-melanoma skin cancer) or ever being told by a physician they had lymphoma, leukemia or blood cancer; in the past 12 months being told by a physician they have chronic bronchitis or weak or failing kidneys; or reporting an asthma attack or episode in the past 12 months; several neuromuscular conditions are included in the high risk definition (stroke, senility, multiple sclerosis, Parkinson's disease, and seizures). For children aged <18 years, high risk conditions included ever having been told by a physician of having diabetes, cystic fibrosis, sickle cell anemia, congenital heart disease, other heart disease, or current asthma, or neuromuscular conditions (seizures, cerebral palsy, and muscular dystrophy).
5. Estimate of women who would be pregnant at any time during the influenza season is based on 4 million births in the U.S.
6. The 2004-2005 population estimates does not include approximately 2 million children who would turn age 6 months during October through March, but would include children who would turn 24 months during this period.
7. Based on self-reported occupation from the 2004 NHIS.
8. Estimates of healthy household contacts of either high-risk persons or healthy persons aged 24-59 months, based on multiplying the estimated number of persons not at increased risk, excluding health-care personnel, by the estimated proportion of such persons living in a household with at least one person at increased risk (45.5% for persons aged 50-64 years, 50.1% for persons aged 18-49 years, 39.6% for persons aged 5-17 years, and 29.0% for persons aged 24-59 months old). Proportions were estimated from the 2002 NHIS using Monte Carlo imputation of chronic illness and health-care occupational status; persons aged <5 years or ≥65 years were considered at increased risk. Out-of-home caretakers of children aged <5 years are not included, because estimates of population size and vaccination coverage are not available.

For more information, visit www.cdc.gov/flu,
or call CDC at 800-CDC-INFO (English and Spanish) or 888-232-6348 (TTY).

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Page 2 of 2