



Improving Adult Immunization Rates of Today and Preventing the Pandemic of Tomorrow

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- Partnership for Prevention
- Vaccine Recommendations for Older Adults
- Health Benefits of Vaccines
- Risk of Vaccine Underutilization

About Partnership

Who We Are

- ❑ Nonprofit, non-partisan national health policy organization
- ❑ Working to improve the health of all Americans by increasing the priority on disease prevention and health promotion

What We Do

- ❑ Develop, disseminate and advocate for science-based policies, practices, and programs
- ❑ Convene various sectors to address priority health concerns
- ❑ Leverage the workplace to improve health
- ❑ Translate evidence-based public health evidence and research into policy and practice

ACIP Recommendations for Older Adults (50 and older)

- Influenza-annually
- Pneumococcal (65 and older)-at least once
- Tetanus and diphtheria-every 10 years
- Zoster (60 and older)-once

ACIP Recommendations for Older Adults at Risk

- Hepatitis A
- Hepatitis B
- Pertussis
- Varicella

Health Benefits of Vaccines

Disease	20th Century Annual Morbidity [†]	2006 Reported Cases [†]	Percent Decrease
Smallpox	29,005	0	100%
Diphtheria	21,053	0	100%
Measles	530,217	55	> 99%
Mumps	162,344	6,584	96%
Pertussis	200,752	15,632	92%
Polio (paralytic)	16,316	0	100%
Rubella	47,745	11	> 99%
Congenital Rubella Syndrome	152	1	> 99%
Tetanus	580	41	93%
Haemophilus influenzae	20,000	208 [#]	99%

[†]Source: JAMA. 2007;298(18):2155-2163

[#]29 type b and 179 unknown (< 5 years of age)

Health Benefits of Vaccines

Disease	Pre-Vaccine Era Annual Estimate	2006 Estimate (unless otherwise specified)	Percent Decrease
Hepatitis A †	117,333	15,298	87%
Hepatitis B (acute) †	66,232	13,169	80%
Pneumococcus (invasive) †			
all ages	63,067	41,550#	34%
< 5 years of age	16,069	4,400##	73%
Varicella †	4,085,120	612,768	85%

†Morbidity. Source: JAMA. 2007;298(18):2155-2163

2005 estimated cases

Source: 2005 ABCs Surveillance Report

Underutilization of Vaccines

SHORT NAME	% Currently Receiving Intervention	Lives Saved Annually if Use Increased to 90%
Discuss daily aspirin use	40%	45,000
Tobacco Cessation Counseling	28%	42,000
Colorectal Cancer Screening	48%	14,000
Influenza immunization	37%	12,000
Chlamydia Screening	40%	30,000
Breast cancer screening	67%	3,700
Cholesterol screening	79%	2,450
Cervical cancer screening	83%	620
Pneumococcal immunization	54%	800
Hypertension screening	90.1 % & 82.8%	0

Impact of Influenza, 1990-1999

- ❑ Approximately 36,000 influenza-associated deaths during each influenza season
- ❑ Persons 65 years of age and older accounted for more than 90% of deaths
- ❑ Highest rates of complications and hospitalization among young children and person 65 years and older
- ❑ Average of 226,000 hospitalizations during each influenza season
- ❑ 43% of hospitalizations among persons 65 years of age and older

Pneumococcal Pneumonia

- ❑ 100,000 to 135,000 cases requiring hospitalization per year
- ❑ Responsible for up to 1/3 of community-acquired pneumonias and up to 1/2 of hospital-acquired pneumonias
- ❑ Common bacterial complication of influenza and measles
- ❑ Case-fatality rate 5%-7%, higher in elderly

Pneumococcal Bacteremia

- ❑ More than 50,000 cases per year in the United States
- ❑ Rates higher among elderly and very young infants
- ❑ Case-fatality rate ~20%; up to 60% among the elderly

Pneumococcal Meningitis

- ❑ Estimated 3,000 - 6,000 cases per year in the United States
- ❑ Case-fatality rate ~30%, up to 80% in the elderly
- ❑ Neurologic sequelae common among survivors

Herpes Zoster

- ❑ 500,000 to 1 million episodes occur annually in the United States
- ❑ Nearly half are 60 years of age or older
- ❑ Lifetime risk of zoster estimated to be at least 30%
- ❑ 50% of persons living until age 85 years will develop zoster

Questions and Contact Info

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For additional resources, materials and more details on our projects and programs, go to:

www.prevent.org