

Priority Area 20

Immunization and Infectious Diseases

Health Status Objective: Vaccine-preventable diseases

Rev.- 10/22/99

PHS Agency Assignment: National Immunization Program; National Center for Infectious Diseases

20.1 Reduce indigenous cases of vaccine-preventable diseases as follows:

Number of Reported Cases	Baseline	Baseline	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Year												Target
Diphtheria among people 25 years and under	1988	1	1	2	2	3	0	2	0	0	3	1	0
Tetanus among people 25 years and under	1988	3	3	6	4	7	4	5	5	3	9	9	0
Polio (wild-type virus)	1988	0	0	0	0	0	0	0	0	0	0	0	0
Measles	1988	*3,396	18,193	26,527	9,411	2,237	312	963	309	508	138	100	0
Rubella	1988	225	396	1,125	1,401	160	192	227	128	238	181	364	0
Congenital Rubella Syndrome	1988	6	3	11	47	11	5	7	6	4	5	7	0
Mumps	1988	4,866	5,712	5,292	4,264	2,572	1,692	1,537	906	751	683	666	500
Pertussis	1988	3,450	4,152	4,570	2,719	4,083	6,586	4,617	5,137	7,796	6,584	7,405	1,000

* Baseline and/or target has been revised.

Data Sources: National Notifiable Disease Surveillance System, CDC, EPO, Division of Surveillance and Epidemiology Studies.

Health Status Objective: Pneumonia and influenza deaths among older adults

Rev.- 10/22/99

PHS Agency Assignment: National Immunization Program; National Center for Infectious Diseases

20.2 Reduce epidemic-related pneumonia and influenza deaths among people aged 65 and older to no more than 15.9 per 100,000.

Epidemic-related pneumonia and influenza deaths (per 100,000) population	Baseline	Baseline	1985-88 ^b	1986-89 ^c	1987-90 ^d	1988-91 ^e	1989-92 ^f	1990-93 ^g	1991-94 ^h	1992-95 ⁱ	1993-96 ^j	2000
	Year											Target
Persons 65 years and over	1979-87 ^a	19.9	16.9	14.6	22.6	18.6	20.0	15.7	21.0	19.2	17.3	15.9

- a1979-80 influenza season through 1986-87 influenza season.
- b1985-86 influenza season through 1987-88 influenza season.
- c1986-87 influenza season through 1988-89 influenza season.
- d1987-88 influenza season through 1989-90 influenza season.
- e1988-89 influenza season through 1990-91 influenza season.
- f1989-90 influenza season through 1991-92 influenza season.
- g1990-91 influenza season through 1992-93 influenza season.
- h1991-92 influenza season through 1993-94 influenza season.
- i1992-93 influenza season through 1994-95 influenza season.
- j1993-94 influenza season through 1995-96 influenza season.

Note: Epidemic-related pneumonia and influenza deaths are those that occur above and beyond the normal yearly fluctuations of mortality. Because of the extreme variability in epidemic-related deaths from year to year, epidemic-related pneumonia and influenza deaths are analysed in 3-year averages, and updates and the target are expressed as 3-year averages. ICD-9 codes: 480-487.

Data Sources: Pneumonia and influenza data are from the National Vital Statistics System, CDC, NCHS. The number of epidemic-related pneumonia and influenza deaths are calculated through models of vital statistics data by CDC, NCID.

Health Status Objective: Viral hepatitis

Rev.- 10/22/99

PHS Agency Assignment: National Immunization Program; National Center for Infectious Diseases

**20.3 Reduce viral hepatitis as follows:
(10.5, 19.7)**

Viral hepatitis cases (per 100,000)	Baseline													2000
	Year	Baseline	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	Target
Hepatitis B (HBV)	1987	63.5	56.2	56.2	50.6	42.6	37.7	30.9	28.7	25.0	23.9	23.6	22.5	40.0
Hepatitis A	1987	33.0	34.8	43.3	37.9	29.0	27.2	28.2	30.9	36.4	31.1	33.9	25.8	16.0
Hepatitis C	1987	18.3	17.5	21.1	13.1	8.3	5.6	4.4	4.1	2.7	2.9	2.4	---	13.7
Special Population Targets														
Hepatitis B (Number of Cases)														
20.3a Intravenous drug abusers	1987	44,348	37,450	32,116	17,615	12,666	10,576	15,136	14,180	10,216	9,199	11,132	P10,963	7,932
20.3b Heterosexually active people	1987	33,995	35,930	36,305	33,971	43,795	46,152	26,289	25,375	19,831	25,659	23,436	P23,080	22,663
20.3c Men who have sex with men	1987	13,598	9,950	11,171	13,840	14,598	6,730	9,560	9,702	9,615	11,135	11,132	P10,963	4,568
20.3d Children of Asians/Pacific Islanders	1987	10,817	9,673	9,774	8,807	7,514	6,730	5,576	5,224	4,207	4,440	4,347	4,281	1,500
20.3e Occupationally exposed workers	1987	3,090	1,520	4,189	1,258	2,576	1,923	727	506	407	391	383	377	623
20.3f Infants (chronic infections)	1987	*6,012	3,455	3,491	3,003	2,235	2,464	2,464	1,682	1,682	1,682	1,046	1,046	1,111
Number of New Carriers														
20.3g Alaska Native (number of new carriers)	1987	15	15	15	15	15	15	1	0	0	0	0	0	1
Hepatitis B (Cases per 100,000)														
20.3h Black	1992	52.8	...	...	...	...	...	57.0	52.3	45.3	41.5	39.5	32.4	40
Hepatitis A (Cases per 100,000)														
20.3i Hispanic	1992	53.8	...	...	...	...	...	50.6	61.9	44.9	62.9	72.6	41.0	*26.9
20.3j American Indian/Alaska Native	1992	256.0	...	...	...	...	...	192.7	363.7	240.7	142.3	69.4	30.0	128
Hepatitis C (Cases per 100,000)														

20.3k Hispanic 1992 17.2 11.1 6.7 3.9 7.7 a--- a--- *13.7

* Baseline and/or target have been revised.
 P Preliminary data.
 a Reliable estimates not available.

Data Sources:

20.3*, 20.3a-c, i-k National Notifiable Disease Surveillance System, CDC, EPO.
 Sentinel Counties Surveillance of Acute Viral Hepatitis, Viral Hepatitis Surveillance Program, CDC, NCID.
 CDC, EPO. 20.3f National Notifiable Disease Surveillance System, CDC, EPO.
 Margolis, HS. Estimates and reported cases of hepatitis B infection and its sequelae in
 Alaskan Natives. Lancet (1987) 2: 1134-6.
 20.3d McMahon BJ, Rhoades ER, Heyward WL, et al. A comprehensive programme to reduce the incidence of
 hepatitis B virus infection in children. Pediatr. Infect. Dis. (1993) 12: 542-4. 20.3g Alaskan Registry, IHS.
 20.3e National Notifiable Disease Surveillance System, CDC, EPO. 20.3h National Notifiable Disease Surveillance System, CDC, EPO.
 Sentinel Counties Surveillance of Acute Viral Hepatitis, Viral Hepatitis Surveillance Program, CDC, NCID.

Health Status Objective: Tuberculosis

Rev.- 10/22/99

PHS Agency Assignment: National Immunization Program; National Center for Infectious Diseases

20.4 Reduce tuberculosis to an incidence of no more than 3.5 cases per 100,000 people.

Tuberculosis incidence (per 100,000)	Baseline Year	Baseline	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	2000 Target
Total population	1988	9.1	9.5	10.3	10.4	10.5	9.8	9.4	8.7	8.0	7.4	6.8	3.5
Special Population Targets													
20.4a Asian/Pacific Islander	1988	36.3	40.5	41.6	41.8	46.6	44.5	45.3	45.9	41.6	40.6	36.6	15.0
20.4b Black	1988	28.3	29.5	33.0	31.9	31.7	29.1	26.8	23.9	22.3	20.5	17.8	10.0
20.4c Hispanic	1988	18.3	19.1	21.4	22.8	22.4	20.6	19.5	18.0	16.0	14.4	13.6	5.0
20.4d American Indian/Alaska Native	1988	18.1	19.9	18.9	16.3	16.3	14.6	17.4	16.5	14.5	13.4	12.6	5.0

Data Sources: Tuberculosis Morbidity Data, CDC, NCHSTP, Division of Tuberculosis Elimination.