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## Medical Problems of Prisoners

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### Summary

Medical problems of prisoners presents findings on state and federal prisoners who reported a current medical problem, a physical or mental impairment, a dental problem, or an injury since admission based on data from the 2004 Survey of Inmates in State and Federal Correctional Facilities. The prevalence of specific medical problems and conditions is also included. The report examines medical problems and other conditions by gender, age, and select background characteristics. NCJ 221740

### Highlights

- An estimated 44% of state inmates and 39% of federal inmates reported a current medical problem other than a cold or virus.
- Arthritis (state 15%; federal 12%) and hypertension (state 14%; federal 13%) were the two most commonly reported medical problems.
- Among inmates who reported a medical problem, 70% of state and 76% of federal inmates reported seeing a medical professional because of the problem.
- More than 8 in 10 inmates in state and federal prisons reported receiving a medical exam or a blood test since

- admission.
- Almost all state and federal inmates reported being tested for TB (95% and 96%, respectively).
  - More than a third (36%) of state inmates and nearly a quarter (24%) of federal inmates reported having an impairment.
  - Learning was the most commonly reported impairment among state and federal inmates (23% and 13%, respectively).
  - 16% of state inmates and 8% of federal inmates reported having multiple impairments.

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## **Selected findings**

### *Characteristics of inmates with medical problems*

Female inmates in both state and federal prisons were more likely to report having a current medical problem than male inmates, but were equally likely to report a dental problem. Among both state and federal inmates, females were more than 1 ½ times more likely to report 2 or more current medical problems than male inmates. The percentages of state and federal inmates who reported a medical problem, a dental problem, or having had surgery since admission increased with age.

Among state and federal inmates current medical problems were most commonly reported by those who were homeless in the year before arrest, who used a needle to inject drugs, and who reported receiving government assistance as compared to those who had not been homeless, who had not used a needle to inject drugs, and who did not receive government assistance.

### *Characteristics of inmates with impairments*

Male and female inmates in state and federal prisons were equally likely to report having at least 1 of 6 impairments which include learning, speech, hearing, vision, mobility, or mental impairment. Female inmates (11%) in state prisons were more likely to report a mental impairment than male inmates (6%).

The percentage of state and federal inmates reporting hearing and vision impairments increased with age. Among state inmates reports of having a learning impairment decreased with age. More than a quarter (28%) of state inmates age 24 or younger reported a learning impairment compared to 16% of those 45 or older. The number of impairments reported varied little between inmates 34 years of age or younger and those 35 years of age or older.

Twenty-one percent of state inmates and 16% of federal, reported having only one impairment. Among state inmates, 16% reported having two or more impairments; 8% of federal inmates.

Impairments were most commonly reported among state and federal inmates who were homeless in the year

before arrest, who used a needle to inject drugs, and who reported receiving government assistance as compared to those who had not been homeless, who had not used a needle to inject drugs, and who did not receive government assistance.

### *Characteristics of inmates who reported injuries*

State inmates were about 1½ times more likely to report an accidental injury (22%) than a fight-related injury (16%). Federal inmates were more than 2½ times more likely to report an accidental injury (23%) than a fight-related injury (8%). In state prisons, male inmates were more likely than female inmates to be accidentally injured or injured in a fight. Among state inmates, 17% of those age 24 or younger and ages 25-34 reported being injured in a fight compared to 13% of those age 45 or older.

### *Health assessments and medical services received by inmates*

Most state and federal inmates received some type of medical services either at admission or since admission to prison. About 9 in 10 state and federal inmates reported that at the time of admission they were asked about their health or medical history. About three-quarters reported that staff checked to see if they were sick, injured, or intoxicated at the time they were admitted. Nearly all state (88%) and federal (91%) inmates reported that they were asked about thoughts of suicide at admission to prison.

The majority of inmates in state and federal prisons had received a medical exam, blood test, or TB test since admission. More than 7 in 10 state and 8 in 10 federal inmates were tested for HIV since admission.

Among inmates who reported a current medical problem, 70% of state inmates and 76% of federal inmates reported seeing a medical professional. Among inmates admitted to state and federal prisons, about an eighth reported having had surgery.

More than 8 in 10 state and federal inmates who reported a dental problem reported seeing a health care professional. Eighty percent of state inmates and 86% of federal inmates who reported an injury since admission reported seeing a health care professional.

### *Problems reported and medical services received by female inmates*

More than half of female inmates in state (57%) and federal (52%) prisons reported having a current medical problem. About a quarter of female inmates reported one medical problem and another quarter reported multiple problems. Females reported higher percentages of most of the specific types of medical problems than male inmates. Arthritis, asthma, and hypertension were the most commonly reported medical problems among female inmates.

Nearly all females in state (91%) and federal (94%) prisons reported having a medical exam since admission

to prison. Among females, 86% of those in state prisons and 78% of those in federal prisons reported receiving a pelvic exam.

Among female prisoners, 4% of state and 3 % of federal inmates said they were pregnant at the time of admission. Of those in state prisons who said they were pregnant at admission, 94% received an obstetric exam. More than half (54%) received some type of pregnancy care.

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## Statistical Tables

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## Methodology

Surveys of Inmates in State and Federal Correctional Facilities, 2004

The Survey of Inmates in State and Federal Correctional Facilities, 2004, is comprised of two separate surveys: one in state adult correctional facilities and one in federal correctional facilities. The surveys provide nationally representative data on state prison inmates and sentenced federal inmates. Both surveys used the same questionnaire and a stratified two-stage sample design where facilities were selected in the first stage and inmates to be interviewed in the second stage. Findings from the 2004 Survey of Inmates in State and

Federal Adult Correctional Facilities presented in this summary should not be compared to findings from the 1997 survey due to a redesign of the medical problems and impairment measures.

The state prison sample was selected from a universe of 1,585 facilities that were enumerated in the 2000 Census of State and Federal Correctional Facilities, or had opened between the completion of the Census and April 1, 2003. A total of 287 state prisons participated in the survey; 2 refused, 11 were closed or had no inmates to survey, and 1 was erroneously included in the universe.

The federal prison sample was selected from 148 federal prisons and satellite facilities holding inmates on January 4, 2003. Thirty-nine of the 40 federal prisons selected participated in the survey.

A total of 14,499 inmates in the state facilities were interviewed; 1,653 inmates refused to participate, resulting in a second-stage nonresponse rate of 10.2%. In the federal survey, after the initial sample of inmates, a secondary sample of 1 in 3 drug offenders was selected for participation in the survey. A total of 3,686 inmates in federal facilities were interviewed and 567 refused to participate, for a second-stage nonresponse rate of 13.3%.

The accuracy of the 2004 Survey of Inmates in State and Federal Correctional Facilities depends on sampling and measurement errors. Sampling errors occur by chance because a sample rather than a complete enumeration of the population was conducted.

Measurement error can be attributed to many sources, such as nonresponse, recall difficulties, differences in the interpretation of questions among inmates, and processing errors.

The sampling error, as measured by an estimated standard error, varies by the size of the estimate and the size of the base population. These standard errors may be used to construct confidence intervals around percentages. For example, the 95-percent confidence interval around the percentage of state inmates who reported a current medical problem is approximately 43.8% plus or minus 1.96 times .73% (or 42.4% to 45.2%).

These standard errors may also be used to test the statistical significance of the difference between two sample statistics by pooling the standard errors of the two sample estimates. For example, the standard error of the difference between male and female state prisoners who had a current medical problem would be 1.37% (or the square root of the sum of the squared standard errors for each group). The 95% confidence interval around the difference would be 1.96% times 1.37% (or 2.69%). Since the difference of 13.8% (56.7% minus 42.9%) is greater than 2.69%, the difference would be considered statistically significant.

Detailed descriptions of the methodology for each of these surveys, including standard error tables and links to other reports or findings from these surveys, are available at the [National Archive of Criminal Justice Data \(NACJD\)](#).

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## Related publications

**Medical Problems of Inmates, 1997**, 1/01 Presents survey data on offenders who were in prison who reported a medical problem since admission or a physical impairment or mental condition. NCJ 181644

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**Table 1. Prison inmates who reported a medical problem by gender and age, 2004**

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	Current medical problem*		Had surgery since admission		Dental problem since admission	
	Number	Percent	Number	Percent	Number	Percent
<b>State inmates</b>						
<b>All inmates</b>	531,500	43.8 %	149,400	12.3 %	609,400	50.3 %
<b>Gender</b>						
<b>Male</b>	485,200	42.9 %	139,600	12.4 %	569,600	50.4 %
<b>Female</b>	46,300	56.7	9,700	11.9	39,800	48.8
<b>Age</b>						
<b>24 or younger</b>	51,500	24.4 %	12,200	5.8 %	76,800	36.4 %
<b>25-34</b>	136,300	34.1	36,800	9.2	190,500	47.7
<b>35-44</b>	184,500	50.0	50,000	13.5	202,300	54.8
<b>45 or older</b>	159,200	68.5	50,400	21.7	139,800	60.3
<b>Federal inmates</b>						
<b>All inmates</b>	48,800	38.5 %	15,100	12.0 %	63,200	50.0 %
<b>Gender</b>						
<b>Male</b>	44,100	37.5 %	13,700	11.7 %	58,700	50.0 %
<b>Female</b>	4,700	52.2	1,400	16.0	4,500	50.0
<b>Age</b>						
<b>24 or younger</b>	2,400	21.3 %	400	3.6 %	4,000	35.1 %
<b>25-34</b>	13,800	28.3	4,200	8.6	21,900	45.0
<b>35-44</b>	14,400	39.8	3,700	10.2	18,800	52.0
<b>45 or older</b>	18,200	60.0	6,900	22.9	18,500	61.2

Note: Number of inmates with each problem was estimated and then rounded to the nearest 100. See Appendix tables for standard errors for the survey estimates.

\*Inmates were determined to have a current medical problem if they reported currently having at least 1 of 14 specific problems: arthritis, asthma, cancer, diabetes, heart problems, hypertension, kidney problems, liver problems, paralysis, problems due to a stroke, hepatitis, HIV, a sexually transmitted disease, or tuberculosis.

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Source: [Survey of Inmates in State and Federal Correctional Facilities, 2004](#).

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**Table 2. Medical problems reported by prison inmates by gender and age, 2004**

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Current medical problem	All inmates	Gender		Age				
		Male	Female	24 or younger	25-34	35-44	45 or older	
<b>State inmates</b>								
Arthritis	15.3 %	14.6 %	24.5 %	5.4 %	8.6 %	17.4 %	32.6 %	
Asthma	9.1	8.4	19.2	10.1	9.1	8.3	9.6	
Cancer	0.9	0.8	2.4	0.1	0.3	0.6	2.8	
Diabetes	4.0	3.9	5.5	0.4	1.5	4.1	11.3	
Heart problems	6.1	5.9	9.0	2.7	4.1	5.7	13.3	
Hypertension	13.8	13.6	16.8	3.4	8.0	15.4	30.6	
Kidney problems	3.2	2.9	6.9	1.5	2.2	3.6	5.7	
Liver problems	1.1	1.1	1.3	0.1	0.4	1.4	2.9	
Paralysis	1.4	1.4	1.4	0.5	1.0	1.8	2.4	
Stroke	2.6	2.5	3.7	1.3	1.7	3.1	4.6	
Hepatitis	5.3	5.0	9.5	0.9	2.4	6.8	11.7	
HIV	1.6	1.6	1.9	0.3	0.8	2.5	2.6	
Sexually transmitted disease	0.8	0.7	2.0	0.6	0.7	1.1	0.7	
Tuberculosis*	9.4	9.6	6.1	4.0	6.5	11.5	15.8	
<b>Federal inmates</b>								
Arthritis	12.4 %	11.5 %	23.8 %	3.8 %	5.7 %	10.8 %	28.3 %	
Asthma	7.2	6.7	13.7	10.5	5.5	7.9	7.8	
Cancer	0.6	0.6	1.0	0.0	0.1	0.4	2.0	
Diabetes	5.1	5.0	6.9	0.7	2.0	4.2	12.9	
Heart problems	6.0	5.7	10.0	2.2	3.9	4.4	12.8	
Hypertension	13.2	12.6	20.7	2.1	7.5	11.5	28.4	
Kidney problems	3.1	2.8	6.9	1.8	2.1	2.7	5.5	
Liver problems	1.1	1.1	1.1	0.0	0.3	1.2	2.9	

<b>Paralysis</b>	1.6	1.6	1.5	0.2	1.6	1.3	2.6
<b>Stroke</b>	1.7	1.6	2.9	0.1	1.1	1.5	3.7
<b>Hepatitis</b>	4.2	4.2	4.5	0.0	1.9	5.6	7.9
<b>HIV</b>	1.0	1.0	1.4	0.7	0.4	1.9	1.1
<b>Sexually transmitted disease</b>	0.4	0.4	0.4	0.5	0.5	0.5	0.2
<b>Tuberculosis*</b>	7.1	7.2	6.2	2.7	5.7	8.0	10.1

\*Includes all inmates who reported ever having TB.

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**Table 3. Number of medical problems reported by inmates by gender, 2004**

Percent of prison inmates

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	Total	Male	Female
<b>State inmates</b>			
<b>Number of current medical problems</b>			
0	56.2 %	57.1 %	43.3 %
1	26.0	25.8	28.6
2	10.3	10.0	14.3
3 or more	7.5	7.1	13.9
<b>Federal inmates</b>			
<b>Number of current medical problems</b>			
0	61.5 %	62.5 %	47.8 %
1	23.5	23.3	26.4
2	8.4	8.0	13.0
3 or more	6.7	6.2	12.8

Source: [Survey of Inmates in State and Federal Correctional Facilities, 2004](#).

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**Table 4. Impairments reported by prison inmates by gender and age, 2004**

Percent of inmates who reported an impairment

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	Physical							
	Any impairment	Total	Learning	Speech	Hearing	Vision	Mobility*	Mental
<b>State inmates</b>								
<b>All inmates</b>	36.2 %	34.3 %	23.3 %	3.8 %	7.0 %	10.3 %	2.5 %	5.9 %
<b>Gender</b>								
<b>Male</b>	36.2 %	34.5 %	23.6 %	3.9 %	6.9 %	10.2 %	2.5 %	5.6 %
<b>Female</b>	36.8	32.0	18.7	2.6	7.6	12.0	2.1	11.0
<b>Age</b>								
<b>24 or younger</b>	34.7 %	33.4 %	28.0 %	3.4 %	3.1 %	6.0 %	0.8 %	5.1 %
<b>25-34</b>	34.4	32.5	24.6	3.6	5.1	7.2	1.4	5.9
<b>35-44</b>	36.0	33.6	23.4	3.9	7.2	10.3	2.5	6.5
<b>45 or older</b>	41.2	39.5	16.4	4.2	13.4	19.4	6.1	5.9
<b>Federal inmates</b>								
<b>All inmates</b>	24.4 %	23.4 %	12.7 %	1.5 %	5.0 %	8.6 %	2.3 %	3.0 %
<b>Gender</b>								
<b>Male</b>	24.3 %	23.3 %	12.9 %	1.5 %	4.9 %	8.4 %	2.2 %	2.8 %
<b>Female</b>	26.1	24.0	10.0	2.0	6.6	10.8	3.2	5.3
<b>Age</b>								
<b>24 or younger</b>	22.6 %	22.3 %	16.8 %	2.9 %	2.5 %	5.0 %	0.5 %	2.9 %
<b>25-34</b>	20.5	19.2	13.2	0.6	3.2	5.5	1.0	2.7
<b>35-44</b>	22.5	22.0	12.9	1.4	4.6	8.1	1.6	2.6
<b>45 or older</b>	33.8	32.1	10.1	2.8	9.4	15.4	6.0	3.9

\*Includes use of a cane, wheelchair, walker, hearing aid, or other aids in daily activity.

Source: [Survey of Inmates in State and Federal Correctional Facilities, 2004](#).  
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**Table 5. Number of impairments reported by prison inmates by age, 2004**

Percent of prison inmates by age

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	Total	34 or younger	35 or older
<b>State inmates</b>			
<b>Number of impairments</b>			
0	63.8 %	65.5 %	62.0 %
1	20.5	19.9	21.2
2	9.9	9.9	9.9
3 or more	5.8	4.7	6.9
<b>Federal inmates</b>			
<b>Number of impairments</b>			
0	75.6 %	79.1 %	72.3 %
1	16.3	14.1	18.2
2	5.9	5.2	6.6
3 or more	2.3	1.6	2.8

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**Table 6. Prison inmates who reported an injury since admission by gender and age, 2004**

**Percent of inmates who reported an injury since admission**

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Characteristics	Total	In an accident	In a fight
<b>State inmates</b>			
<b>Total</b>	32.6 %	22.3 %	15.9 %
<b>Gender</b>			
Male	33.2 %	22.6 %	16.5 %
Female	24.7	18.9	8.5
<b>Age</b>			
24 or younger	31.9 %	21.4 %	16.8 %
25-34	34.7	23.8	16.7
35-44	32.5	22.2	16.1
45 or older	29.7	21.0	13.4
<b>Federal inmates</b>			
<b>Total</b>	28.2 %	22.9 %	8.3 %
<b>Gender</b>			
Male	28.3 %	22.8 %	8.7 %
Female	26.9	24.9	3.6
<b>Age</b>			
24 or younger	28.9 %	24.4 %	7.7 %
25-34	30.7	25.0	8.9
35-44	27.4	22.0	8.7
45 or older	24.8	20.1	7.2

Source: [Survey of Inmates in State and Federal Correctional Facilities, 2004.](#)

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**Table 7. Health-related conditions reported by prison inmates by background characteristics, 2004**

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	Percent of inmates				
	Current medical problem	Any impairment	Since admission		
			Injured	Surgery	Dental problem
<b>State inmates</b>					
<b>Homeless in year before arrest</b>					
Yes	51.2 %	48.9 %	35.1 %	12.2 %	53.6 %
No	43.0	34.8	32.3	12.3	49.9
<b>Employed in month before offense</b>					
Yes	43.8 %	34.9 %	32.7 %	12.6 %	51.0 %
No	43.8	39.2	31.9	11.5	48.1
<b>Source of income</b>					
Wages/salary	43.6 %	34.6 %	33.0 %	12.4 %	50.9 %
Government transfers	61.0	55.7	31.4	15.8	52.5
Other	41.9	36.3	37.2	12.7	51.9
<b>Alcohol dependence or abuse</b>					
Yes	44.6 %	39.2 %	34.7 %	11.8 %	51.9 %
No	43.1	33.6	30.8	12.7	49.0
<b>Ever used drugs</b>					
Yes	43.2 %	37.1 %	33.6 %	11.7 %	50.8 %
No	47.2	31.9	27.9	15.5	47.7
<b>Used drugs in month before arrest</b>					
Yes	42.9 %	37.2 %	34.3 %	11.8 %	51.2 %
No	45.2	34.8	30.7	13.4	49.6
<b>Used needle to inject drugs</b>					
Yes	60.4 %	43.0 %	34.3 %	15.1 %	57.5 %
No	40.2	34.8	32.2	11.7	48.7

<b>Drug dependence or abuse</b>					
Yes	44.3 %	39.3 %	34.4 %	11.6 %	51.6 %
No	43.2	32.7	30.6	13.1	48.7
<b>Federal inmates</b>					
<b>Homeless in year before arrest</b>					
Yes	55.9 %	33.5 %	36.1 %	18.7 %	53.7 %
No	37.8	24.1	27.8	11.7	49.9
<b>Employed in month before offense</b>					
Yes	37.9 %	23.5 %	28 %	12.4 %	50.0 %
No	40.4	25.8	28.9	11.2	49.3
<b>Source of income</b>					
Wages/salary	37.0 %	22.5 %	27.6 %	11.8 %	50.1 %
Government transfers	59.1	43.9	29.6	16.4	54.1
Other	39.2	23.9	32.5	12.6	52.7
<b>Alcohol dependence or abuse</b>					
Yes	38.4 %	25.1 %	29.2 %	9.3 %	49.0 %
No	38.6	24.1	27.7	13.5	50.4
<b>Ever used drugs</b>					
Yes	39.1 %	24.6 %	29.1 %	11.8 %	51.9 %
No	36.1	24.0	24.3	12.9	43.0
<b>Used drugs in month before arrest</b>					
Yes	37.8 %	24.2 %	29.8 %	11.1 %	52.6 %
No	39.3	24.7	26.6	13.2	47.5
<b>Used needle to inject drugs</b>					
Yes	58.2 %	31.3 %	35.5 %	16.5 %	62.1 %
No	36.0	23.6	27.2	11.5	48.5
<b>Drug dependence or abuse</b>					
Yes	37.9 %	25.2 %	31.2 %	11.4 %	52.7 %
No	38.8	23.9	25.4	12.5	47.4

Source: [Survey of Inmates in State and Federal Correctional Facilities, 2004](#).

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**Table 8. Medical services received by prison inmates, 2004**

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Medical service provided	Percent of all prison inmates	
	State	Federal
<b>At time of admission</b>		
Staff checked to see if you were sick, injured, or intoxicated?	74.3 %	79.1 %
Staff asked questions about your health or medical history?	88.6	91.1
Staff asked if you had ever thought about suicide?	87.6	90.9
<b>Since admission</b>		
Has anyone pricked your skin to test for TB?	95.1 %	95.9 %
Have you had a blood test for any reason?	87.4	93.1
Has your blood been tested for HIV?	73.1	83.5
Have you had a medical exam?	84.4	91.5

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Table 9. Prison inmates who saw a health care professional, 2004

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Percent of prison inmates who saw a health care professional\*

	State	Federal
<b>Current medical problem</b>	69.7 %	75.9 %
<b>Injury</b>	80.4	85.7
<b>Dental problem</b>	85.6	85.9

\* Based on inmates who reported a medical problem.

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**Table 10. Medical services received by female prison inmates, 2004**

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**Percent of female prison inmates**

	State	Federal
Had a medical exam since admission?	90.7 %	93.7 %
Had a pelvic exam since admission?	85.8 %	78.1 %
Were you pregnant at admission?	4.1 %	2.9 %
<b>If yes to pregnant:</b>		
Had an obstetric exam?	94.3 %	... %
Received pregnancy care?	53.9	...

... Not calculated due to small sample size.

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**Appendix table 1. Standard errors of state and federal inmates with medical problems, impairments, or injuries since admission by gender and age, 2004**

**Standard error for estimated percentages**

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	Current medical problem	Any impairment	Since admission			
			Had surgery	Dental problem	Injured accident	Injured fight
<b>State inmates</b>						
All inmates	0.73 %	0.70 %	0.48 %	0.73 %	0.61 %	0.54 %
<b>Gender</b>						
Male	0.71 %	0.69 %	0.47 %	0.72 %	0.60 %	0.53 %
Female	1.17	1.14	0.78	1.16	0.93	0.66
<b>Age</b>						
24 or younger	1.51 %	1.67 %	0.82 %	1.69 %	1.44 %	1.31 %
25-34	1.21	1.21	0.74	1.28	1.09	0.95
35-44	1.33	1.28	0.91	1.32	1.10	0.98
45 or older	1.55	1.65	1.38	1.64	1.36	1.14
<b>Federal inmates</b>						
All inmates	1.38 %	1.22 %	0.92 %	1.42 %	1.20 %	0.78 %
<b>Gender</b>						
Male	1.36 %	1.20 %	0.90 %	1.40 %	1.18 %	0.79 %
Female	2.35	2.06	1.72	2.35	2.03	0.87
<b>Age</b>						
24 or younger	3.87 %	3.95 %	1.76 %	4.51 %	4.06 %	2.52 %
25-34	2.07	1.85	1.65	2.30	1.99	1.31
35-44	2.60	2.22	1.61	2.65	2.2	1.50
45 or older	2.84	2.76	2.45	2.84	2.33	1.51

Source: [Survey of Inmates in State and Federal Correctional Facilities, 2004](#).

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**Appendix table 2. Standard errors of state and federal inmates who reported specific current medical problems by gender, 2004**

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**Standard error for estimated percentages**

<b>Current medical problem</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>
<b>State inmates</b>			
Arthritis	0.53 %	0.51 %	1.02 %
Asthma	0.42	0.40	0.93
Cancer	0.14	0.13	0.36
Diabetes	0.29	0.28	0.54
Heart problems	0.35	0.34	0.68
Hypertension	0.51	0.50	0.89
Kidney problems	0.26	0.24	0.60
Liver problems	0.15	0.15	0.27
Paralysis	0.17	0.17	0.28
Stroke	0.23	0.22	0.45
Hepatitis	0.33	0.31	0.70
HIV	0.21	0.20	0.35
Sexually transmitted disease	0.13	0.12	0.33
Tuberculosis*	0.43	0.43	0.57
<b>Federal inmates</b>			
Arthritis	0.94 %	0.90 %	2.00 %
Asthma	0.74	0.70	1.62
Cancer	0.22	0.22	0.47
Diabetes	0.63	0.61	1.19
Heart problems	0.68	0.65	1.41
Hypertension	0.97	0.93	1.90
Kidney problems	0.49	0.46	1.19
Liver problems	0.30	0.29	0.49
Paralysis	0.36	0.35	0.57

<b>Stroke</b>	0.37	0.35	0.79
<b>Hepatitis</b>	0.57	0.56	0.98
<b>HIV</b>	0.31	0.31	0.60
<b>Sexually transmitted disease</b>	0.18	0.18	0.30
<b>Tuberculosis*</b>	0.73	0.73	1.14

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\*Includes all inmates who ever reported having TB.

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**Appendix table 3. Standard errors of state and federal inmates with an impairment by gender, 2004**

Standard error for estimated percentages

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Impairment	State inmates			Federal inmates		
	Total	Male	Female	Total	Male	Female
<b>Physical</b>	0.70 %	0.68 %	1.11 %	1.20 %	1.18 %	2.01 %
<b>Learning</b>	0.62	0.61	0.93	0.95	0.94	1.41
<b>Speech</b>	0.28	0.28	0.38	0.35	0.34	0.66
<b>Hearing</b>	0.37	0.36	0.63	0.62	0.61	1.17
<b>Vision</b>	0.45	0.44	0.77	0.80	0.78	1.46
<b>Mobility</b>	0.23	0.22	0.34	0.43	0.41	0.83
<b>Mental</b>	0.35 %	0.33 %	0.74 %	0.49 %	0.46 %	1.05 %

Source: [Survey of Inmates in State and Federal Correctional Facilities, 2004](#).

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