

**Table 10.2: Health Care Utilization, by Type, for Persons with Musculoskeletal Diseases, United States 1996-2011**

Condition	Year	Ambulatory Physician Visits			Ambulatory Non-Physician Care Visits			Prescription Medication Filled			Home Health Care Visits			Hospital Discharges		
		% With Any	Mean Visits	Total Visits (in millions)	% With Any	Mean Visits	Total Visits (in millions)	% With Any	Mean Fills	Total Meds (in millions)	% With Any	Mean Visits	Total Visits (in millions)	% With Any	Mean Visits	Total Discharges (in millions)
All Musculoskeletal Diseases	1996-1998	84.8%	5.6	425.5	39.7%	2.6	197.5	81.3%	13.1	995.3	5.1%	3.9	296.3	11.1%	0.2	15.2
	1997-1999	84.9%	5.6	421.0	40.9%	2.7	203.0	81.3%	13.8	1,037.4	5.0%	3.8	285.7	11.6%	0.2	15.0
	1998-2000	85.3%	5.7	422.2	41.0%	2.8	207.4	82.5%	14.6	1,081.5	4.6%	3.4	251.9	11.6%	0.2	14.8
	1999-2001	85.9%	5.7	430.9	42.0%	2.8	211.7	83.8%	15.7	1,186.9	4.6%	3.5	264.6	11.8%	0.2	15.1
	2000-2002	86.0%	5.8	462.5	45.1%	3.1	247.2	84.5%	16.8	1,339.8	4.7%	3.7	295.1	11.7%	0.2	16.0
	2001-2003	85.8%	5.8	488.9	49.2%	3.5	295.0	84.5%	17.8	1,500.5	4.8%	3.5	295.0	11.8%	0.2	16.9
	2002-2004	85.1%	5.8	507.9	51.5%	3.8	332.8	83.5%	18.6	1,628.9	4.7%	3.5	306.5	11.7%	0.2	17.5
	2003-2005	84.6%	5.7	507.0	52.2%	4.0	355.8	83.2%	18.9	1,681.1	4.7%	3.3	293.5	11.8%	0.2	17.8
	2004-2006	84.3%	5.7	511.0	52.4%	4.0	358.6	82.9%	19.4	1,739.3	4.6%	3.3	295.9	11.5%	0.2	17.9
	2005-2007	84.3%	5.6	511.4	52.6%	3.9	356.1	82.6%	19.6	1,789.9	4.7%	3.4	310.5	11.6%	0.2	18.3
	2006-2008	84.6%	5.6	529.7	52.4%	3.8	359.4	82.8%	20.1	1,901.1	4.8%	3.5	331.0	11.6%	0.2	18.9
	2007-2009	84.5%	5.6	552.2	52.0%	3.8	374.7	83.0%	20.4	2,011.6	4.9%	3.7	364.8	11.7%	0.2	19.7
2008-2010	84.5%	5.6	566.0	52.0%	3.7	374.0	83.4%	20.8	2,102.3	5.0%	3.8	384.1	11.3%	0.2	20.2	
2009-2011	84.8%	5.6	574.0	51.8%	3.7	379.3	83.7%	20.8	2,132.1	4.9%	3.8	389.5	11.0%	0.2	20.5	
Spine	1996-1998	83.2%	6.2	169.7	46.7%	3.7	101.3	80.3%	12.9	353.2	4.1%	2.7	73.9	10.7%	0.2	5.5
	1997-1999	83.0%	6.1	170.2	48.4%	3.9	108.8	80.3%	13.3	371.0	3.9%	3.0	83.7	11.0%	0.2	5.6
	1998-2000	84.0%	6.2	168.7	49.1%	4.1	111.5	81.5%	14.2	386.3	3.6%	2.8	76.2	11.1%	0.2	5.4
	1999-2001	84.6%	6.2	169.0	49.5%	4.2	114.5	82.9%	15.4	419.9	3.5%	2.5	68.2	11.5%	0.2	5.5
	2000-2002	84.7%	6.2	178.7	52.4%	4.5	129.7	83.5%	16.7	481.4	3.7%	2.2	63.4	11.4%	0.2	5.8
	2001-2003	84.3%	6.1	186.7	56.1%	4.9	150.0	83.6%	17.8	544.8	3.9%	2.2	67.3	11.5%	0.2	6.1
	2002-2004	83.6%	6.1	199.7	58.6%	5.3	173.5	82.6%	18.6	609.0	4.0%	2.3	75.3	11.6%	0.2	6.5
	2003-2005	83.2%	6.1	207.2	59.3%	5.5	186.8	82.8%	19.3	655.6	4.2%	2.6	88.3	12.1%	0.2	6.8
	2004-2006	82.8%	6.1	213.2	60.0%	5.4	188.7	82.8%	20.0	698.9	4.4%	2.9	101.3	12.2%	0.2	7.0
	2005-2007	83.0%	6.1	210.0	60.6%	5.3	182.5	82.7%	20.4	702.3	4.5%	3.2	110.2	12.3%	0.2	6.9
	2006-2008	83.8%	6.2	199.7	60.9%	5.4	173.9	82.7%	20.9	673.1	4.3%	3.1	99.8	12.0%	0.2	6.4
	2007-2009	84.6%	6.3	193.0	61.2%	5.6	171.6	83.1%	21.3	652.5	4.6%	3.1	95.0	12.2%	0.2	6.1
2008-2010	85.0%	6.4	192.7	62.3%	5.8	174.7	83.6%	21.8	656.5	4.5%	2.7	81.3	11.8%	0.2	6.0	
2009-2011	85.3%	6.4	198.7	62.7%	5.9	183.2	84.5%	21.9	679.9	4.6%	2.6	80.7	11.8%	0.2	6.2	
Arthritis and Joint Pain [1]	1996-1998	90.0%	6.9	199.9	42.7%	2.7	78.2	89.8%	19.4	561.9	8.1%	6.5	188.3	13.7%	0.2	5.8
	1997-1999	90.4%	6.9	200.6	43.6%	2.6	75.6	89.7%	20.6	598.8	7.9%	6.4	186.0	14.5%	0.2	5.8
	1998-2000	90.1%	6.9	201.8	43.4%	2.6	76.0	90.3%	21.6	631.8	7.1%	5.8	169.6	14.3%	0.2	5.9
	1999-2001	90.3%	6.9	214.7	44.8%	2.8	87.1	91.1%	22.9	712.5	7.0%	5.5	171.1	14.8%	0.2	6.2
	2000-2002	90.5%	7.0	235.1	48.0%	3.3	110.8	91.9%	24.0	806.2	7.1%	5.4	181.4	14.7%	0.2	6.7
	2001-2003	90.8%	7.1	254.9	52.7%	3.8	136.4	91.7%	25.3	908.3	7.2%	5.2	186.7	14.9%	0.2	7.2
	2002-2004	90.3%	7.2	263.7	55.3%	4.2	153.8	91.2%	26.6	974.2	7.1%	5.3	194.1	14.8%	0.2	7.3
	2003-2005	90.0%	7.2	260.2	56.0%	4.3	155.4	90.9%	27.0	975.8	7.1%	5.0	180.7	15.0%	0.2	7.2
	2004-2006	89.6%	7.1	253.9	55.8%	4.4	157.4	90.6%	27.6	987.0	7.0%	4.9	175.2	14.4%	0.2	7.2
	2005-2007	89.1%	6.9	268.7	55.3%	4.3	167.4	90.0%	27.3	1,063.0	7.1%	4.9	190.8	14.5%	0.2	7.8
	2006-2008	88.4%	6.7	314.6	54.4%	4.2	197.2	89.3%	27.4	1,286.4	7.1%	5.1	239.4	14.4%	0.2	9.4
	2007-2009	87.5%	6.5	357.2	53.3%	4.1	225.3	89.0%	27.2	1,494.8	7.0%	5.4	296.8	14.6%	0.2	11.0
2008-2010	87.1%	6.5	387.4	52.6%	3.9	232.5	89.1%	27.4	1,633.2	6.9%	5.6	333.8	14.0%	0.2	11.9	
2009-2011	87.4%	6.6	401.2	52.4%	3.9	237.1	89.5%	27.3	1,659.6	6.7%	5.5	334.4	13.4%	0.2	12.2	
Osteoporosis	1996-1998	96.4%	9.5	30.0	54.1%	3.4	10.7	95.6%	27.8	87.8	10.3%	7.7	24.3	19.2%	0.3	0.9
	1997-1999	97.3%	9.5	32.4	54.7%	4.0	13.6	95.5%	28.0	95.4	10.4%	8.5	28.9	18.5%	0.3	1.0
	1998-2000	97.2%	9.2	34.8	54.6%	4.0	15.1	95.5%	27.9	105.7	8.7%	7.4	28.0	17.8%	0.3	1.1
	1999-2001	96.6%	8.9	39.6	56.3%	3.6	16.0	95.9%	29.3	130.2	8.9%	7.8	34.7	17.2%	0.2	0.9
	2000-2002	95.9%	8.8	46.3	58.9%	3.7	19.5	96.6%	31.4	165.3	9.4%	8.2	43.2	17.1%	0.2	1.1
	2001-2003	95.2%	8.7	53.4	63.5%	4.2	25.8	97.2%	32.2	197.6	10.3%	8.6	52.8	17.1%	0.3	1.8
	2002-2004	95.6%	8.4	57.3	64.8%	4.4	30.0	97.1%	31.3	213.5	9.7%	7.6	51.8	15.4%	0.2	1.4
	2003-2005	95.0%	8.2	60.5	66.3%	4.6	34.0	97.7%	31.0	228.9	8.3%	5.9	43.6	15.3%	0.2	1.5
	2004-2006	95.6%	8.0	63.0	66.2%	4.7	37.0	97.8%	32.7	257.5	7.9%	4.9	38.6	15.3%	0.2	1.6
	2005-2007	95.5%	8.2	67.1	66.9%	4.8	39.3	98.0%	33.5	274.1	7.8%	4.8	39.3	16.3%	0.2	1.6
	2006-2008	96.1%	8.5	68.5	67.0%	4.6	37.1	97.8%	33.8	272.5	8.9%	5.9	47.6	16.9%	0.2	1.6
	2007-2009	95.3%	8.3	63.1	67.1%	4.4	33.5	97.2%	32.7	248.8	8.9%	6.5	49.4	15.7%	0.2	1.5
2008-2010	94.7%	8.1	57.1	67.0%	4.3	30.3	97.4%	33.5	236.1	8.8%	7.2	50.7	14.0%	0.2	1.4	
2009-2011	94.1%	7.8	50.1	65.8%	4.5	28.9	97.2%	33.0	211.9	8.2%	7.4	47.5	13.4%	0.2	1.3	

Condition	Year	Ambulatory Non-Physician																
		Ambulatory Physician Visits			Care Visits			Prescription Medication Filled			Home Health Care Visits			Hospital Discharges				
		% With Any	Mean Visits	Total Visits (in millions)	% With Any	Mean Visits	Total Visits (in millions)	% With Any	Mean Fills	Total Meds (in millions)	% With Any	Mean Visits	Total Visits (in millions)	% With Any	Mean Visits	Total Discharges (in millions)		
Injuries	1996-1998	83.0%	4.8	112.1	36.2%	2.3	53.7	76.3%	8.6	200.9	4.2%	2.7	63.1	10.3%	0.1	2.3		
	1997-1999	82.9%	4.9	110.2	37.4%	2.6	58.5	76.4%	9.3	209.2	4.1%	3.1	69.7	10.8%	0.1	2.3		
	1998-2000	83.5%	5.0	108.0	37.3%	2.8	60.5	77.6%	10.0	215.9	4.1%	3.2	69.1	11.1%	0.1	2.2		
	1999-2001	84.0%	5.2	111.5	37.9%	2.8	60.0	78.7%	11.0	235.9	4.0%	3.3	70.8	11.4%	0.2	4.3		
	2000-2002	83.8%	5.3	118.1	40.3%	3.0	66.9	79.1%	12.1	269.7	4.2%	3.6	80.2	11.4%	0.2	4.5		
	2001-2003	83.6%	5.3	124.9	44.2%	3.3	77.8	78.5%	13.2	311.1	4.4%	3.4	80.1	11.3%	0.2	4.7		
	2002-2004	82.7%	5.2	128.3	46.3%	3.7	91.3	77.8%	13.8	340.6	4.3%	3.2	79.0	10.7%	0.2	4.9		
	2003-2005	82.2%	5.2	131.1	46.9%	3.9	98.4	77.3%	13.8	348.0	4.2%	2.8	70.6	10.8%	0.2	5.0		
	2004-2006	82.1%	5.2	131.9	47.3%	3.9	98.9	77.1%	14.0	355.1	3.8%	2.8	71.0	10.6%	0.1	2.5		
Injuries	2005-2007	82.6%	5.2	132.7	48.2%	3.9	99.5	76.7%	14.5	370.1	4.0%	2.6	66.4	11.1%	0.2	5.1		
	2006-2008	83.0%	5.2	132.9	48.8%	3.8	97.1	76.9%	14.7	375.7	3.8%	2.3	58.8	10.6%	0.1	2.6		
	2007-2009	82.7%	5.2	133.0	49.6%	3.9	99.7	77.4%	14.8	378.4	4.0%	2.4	61.4	10.4%	0.1	2.6		
	2008-2010	82.9%	5.3	133.0	49.6%	4.0	100.4	78.1%	15.4	386.5	4.3%	2.8	70.3	9.8%	0.1	2.5		
	2009-2011	83.3%	5.3	131.4	49.4%	4.0	99.2	78.5%	16.0	396.6	4.5%	3.3	81.8	10.0%	0.1	2.5		
Other Musculoskeletal Conditions	1996-1998	89.8%	7.5	90.3	44.4%	3.4	41.0	86.6%	18.8	226.5	8.3%	6.7	80.7	14.0%	0.2	2.4		
	1997-1999	90.6%	7.6	89.8	45.5%	3.6	42.5	87.7%	19.9	235.0	8.1%	6.5	76.8	14.9%	0.2	2.4		
	1998-2000	90.8%	7.5	84.9	44.8%	3.4	38.5	88.4%	21.2	240.0	7.4%	6.0	67.9	16.2%	0.3	3.4		
	1999-2001	90.8%	7.5	86.4	46.7%	3.4	39.2	89.6%	22.5	259.3	7.4%	6.5	74.9	16.3%	0.3	3.5		
	2000-2002	90.6%	7.6	93.9	49.4%	3.7	45.7	89.8%	24.1	297.6	7.0%	6.8	84.0	16.0%	0.2	2.5		
	2001-2003	89.9%	7.7	105.1	54.4%	4.5	61.4	90.0%	25.4	346.5	6.7%	6.0	81.9	15.0%	0.2	2.7		
	2002-2004	90.2%	7.8	113.2	56.4%	4.9	71.1	89.5%	26.4	383.3	6.5%	5.8	84.2	15.3%	0.2	2.9		
	2003-2005	90.0%	7.8	115.5	57.9%	5.2	77.0	89.0%	27.5	407.3	7.2%	5.7	84.4	15.7%	0.2	3.0		
	2004-2006	90.1%	7.9	116.4	58.2%	5.3	78.1	88.3%	28.2	415.6	7.2%	5.6	82.5	15.3%	0.2	2.9		
	2005-2007	89.9%	7.7	109.7	59.4%	5.4	77.0	87.5%	28.2	401.9	7.3%	6.0	85.5	15.0%	0.2	2.9		
	2006-2008	90.2%	7.6	112.2	60.1%	5.5	81.2	87.6%	27.7	408.9	6.9%	5.3	78.2	13.8%	0.2	3.0		
	2007-2009	90.2%	7.5	118.3	60.4%	5.4	85.1	87.4%	27.4	432.1	7.3%	5.5	86.7	14.2%	0.2	3.2		
2008-2010	90.4%	7.5	132.0	59.9%	5.3	93.3	87.9%	27.9	491.0	7.4%	5.2	91.5	14.1%	0.2	3.5			
2009-2011	90.4%	7.4	137.7	59.1%	4.8	89.3	88.6%	27.9	519.3	7.0%	5.2	96.8	13.9%	0.2	3.7			

[1] Methodological changes in MEPS in 2001 and 2007 improved the accuracy of capturing these conditions; therefore, the increased number of people with these conditions in 2001 and 2007 cannot be attributed solely to the increased size of the underlying population. Because misclassification for arthritis has been demonstrated in children, reported arthritis for individuals <18 is not included.

Note: Totals may differ by orders of magnitude, e.g. prescriptions filled vs. hospital discharges

Source: Medical Expenditures Panel Survey (MEPS), Agency for Healthcare Research and Quality, U.S. Department of Health and Human Services, 1996-2011 <http://meps.ahrq.gov/mepsweb/>