2021 US Neck Pain

Supplementary materials

Supplement 1. Annual number of prevalent cases, age-standardized prevalence rates, and percentage change from 1990 to 2021, by sex

Supplement 2. Annual number of incident cases, age-standardized incidence rates, and percentage change from 1990 to 2021, by sex

Supplement 3. Annual number of YLD, age-standardized YLD rates, and percentage change from 1990 to 2021, by sex

Supplement 4. Numbers, age-standardized rates, and percentage change of incidence, prevalence, and YLD from 1990 to 2021, in global and the US

Supplement 5. Annual trends of age-standardized rates and numbers for (A) prevalence, (B) incidence, (C) YLD from 1990 to 2021 (shaded areas represent 95% uncertainty intervals)

Supplement 6. Numbers, age-standardized rates, and percentage changes of prevalence, incidence, and YLD in the US

Supplement 7. Age-standardized prevalence rates in 1990, 2019, 2020, and 2021 and percentage change from 1990 to 2021

Supplement 8. National age-standardized rates of prevalence in 2021, with percentage change from 1990 to 2021

Supplement 9. Age-standardized incidence rates in 1990, 2019, 2020, and 2021 and percentage change from 1990 to 2021

Supplement 10. National age-standardized rates of incidence and YLD in 2021, with percentage change from 1990 to 2021

Supplementary materials (continued)

Supplement 11. Age-standardized YLD rates in 1990, 2019, 2020, and 2021 and percentage change from 1990 to 2021

Supplement 12. Annual trends of age-standardized rates and numbers for (A) prevalence (B) incidence (C) YLD from 1990 to 2021, by sex (shaded areas represent 95% uncertainty intervals)

Supplement 13. Age-standardized prevalence, incidence, YLD rates in 2021, by age groups and sex

Supplement 14. Total rates of (A) prevalence, (B) incidence, (C) YLD, by age groups and divisions

Supplement 15. Age-standardized rates of (A) prevalence, (B) incidence, (C) YLD according to the sociodemographic index (SDI) in 2021, with linear regression (shaded areas represent 95% uncertainty intervals).

Supplement 16. Percentage change in age-standardized rates of (A) prevalence, (B) incidence, (C) YLD, from 2000 to 2010, and from 2010 to 2021

Supplement 1. Annual number of prevalent cases, age-standardized prevalence rates, and percentage change from 1990 to 2021, by sex

	Both		Male		Female	
	Absolute number	Age-standardized rate, per 100,000 people	Absolute number	Age-standardized rate, per 100,000 people	Absolute number	Age-standardized rate, per 100,000 people
1990	6680306.17 (5210493.51 to 8311054.00)	2402.14 (1855.62 to 3007.99)	2786555.78 (2118382.23 to 3485535.77)	2088.69 (1579.70 to 2622.39)	3893750.39 (3095973.59 to 4839297.23)	2702.13 (2107.16 to 3411.03)
1991	7009592.57 (5460956.35 to 8701998.03)	2484.57 (1918.72 to 3112.93)	2941797.09 (2230515.02 to 3689637.15)	2169.62 (1648.69 to 2704.05)	4067795.47 (3232004.50 to 5060915.88)	2781.73 (2163.41 to 3486.35)
1992	7290087.66 (5677999.13 to 9094645.02)	2547.87 (1963.58 to 3187.46)	3074218.10 (2344418.41 to 3849912.78)	2231.96 (1700.02 to 2751.44)	4215869.56 (3339308.01 to 5244926.18)	2842.69 (2204.40 to 3582.71)
1993	7516227.37 (5831984.90 to 9406229.51)	2592.28 (1990.66 to 3241.17)	3180433.14 (2439633.63 to 3982559.95)	2275.95 (1737.00 to 2822.14)	4335794.23 (3413441.12 to 5422500.49)	2885.28 (2228.66 to 3649.33)
1994	7688293.52 (5933888.12 to 9652753.99)	2618.09 (2004.06 to 3292.07)	3260732.21 (2505111.71 to 4092642.11)	2301.85 (1764.56 to 2858.09)	4427561.31 (3465666.35 to 5568552.98)	2909.76 (2224.34 to 3685.21)
1995	7810482.46 (6014356.77 to 9862513.42)	2625.46 (1995.28 to 3308.39)	3317076.54 (2549806.91 to 4167733.35)	2309.92 (1761.95 to 2891.33)	4493405.92 (3500307.51 to 5727395.17)	2916.40 (2229.27 to 3731.13)

1996	7839944.63 (6027443.42 to 9869539.11)	2602.59 (1990.33 to 3286.38)	3329293.47 (2553603.27 to 4178026.10)	2288.50 (1752.74 to 2851.46)	4510651.17 (3516955.89 to 5727214.73)	2893.49 (2204.90 to 3684.15)
1997	7771678.67 (5997513.93 to 9765876.64)	2548.55 (1961.59 to 3202.34)	3294092.01 (2538572.63 to 4131219.52)	2236.51 (1718.92 to 2781.04)	4477586.66 (3481816.33 to 5677481.24)	2840.16 (2165.51 to 3617.93)
1998	7657570.13 (5940684.88 to 9619608.77)	2480.04 (1914.63 to 3106.75)	3236861.17 (2514889.05 to 4055110.42)	2169.95 (1673.24 to 2707.10)	4420708.96 (3432827.42 to 5599667.50)	2773.00 (2126.69 to 3517.83)
1999	7547821.36 (5879472.86 to 9500457.39)	2413.80 (1865.56 to 3031.67)	3181259.96 (2461644.03 to 3986103.88)	2104.86 (1628.67 to 2624.22)	4366561.40 (3395683.99 to 5540331.34)	2708.61 (2084.76 to 3454.00)
2000	7497448.46 (5869775.38 to 9416132.69)	2366.41 (1836.41 to 2981.27)	3152787.85 (2449703.84 to 3938942.74)	2057.25 (1596.45 to 2576.83)	4344660.60 (3386649.36 to 5503133.86)	2663.54 (2046.84 to 3402.67)
2001	7490589.06 (5852804.98 to 9374090.81)	2333.82 (1814.48 to 2934.52)	3145411.75 (2447315.81 to 3934173.07)	2024.65 (1575.67 to 2528.81)	4345177.31 (3378942.44 to 5487012.55)	2632.16 (2035.33 to 3344.52)
2002	7482731.07 (5858138.28 to 9331534.93)	2301.64 (1796.06 to 2878.02)	3139986.06 (2441314.08 to 3929921.65)	1993.97 (1552.19 to 2486.81)	4342745.02 (3373638.85 to 5438388.81)	2599.37 (2008.66 to 3273.27)
2003	7477751.79 (5857983.46 to 9298788.00)	2271.06 (1775.69 to 2825.96)	3136705.31 (2440805.96 to 3921787.84)	1965.32 (1529.04 to 2449.05)	4341046.48 (3363587.99 to 5393879.40)	2567.55 (1981.59 to 3191.71)
2004	7480950.60 (5822593.03 to 9344382.29)	2243.31 (1760.48 to 2798.24)	3136425.69 (2438658.25 to 3931772.00)	1938.83 (1508.19 to 2415.37)	4344524.91 (3370302.48 to 5460029.81)	2539.11 (1966.59 to 3192.18)

2005	7498070.25 (5815177.00 to 9369790.14)	2219.59 (1741.49 to 2768.56)	3140743.42 (2442098.29 to 3943424.24)	1914.60 (1487.42 to 2381.94)	4357326.83 (3375734.35 to 5513059.47)	2516.45 (1937.86 to 3180.90)
2006	7509906.94 (5845033.54 to 9392910.20)	2195.63 (1718.30 to 2748.83)	3140775.55 (2451894.69 to 3938592.69)	1888.69 (1466.11 to 2355.56)	4369131.39 (3390172.75 to 5520108.26)	2494.91 (1929.50 to 3144.33)
2007	7507315.68 (5883190.05 to 9332274.96)	2169.34 (1689.27 to 2716.63)	3134327.87 (2454970.30 to 3923545.82)	1860.38 (1450.51 to 2322.23)	4372987.81 (3420105.43 to 5486331.15)	2471.06 (1900.30 to 3089.62)
2008	7508848.57 (5873142.38 to 9289736.29)	2145.30 (1664.79 to 2678.81)	3130184.73 (2448085.97 to 3937377.30)	1834.57 (1428.65 to 2294.84)	4378663.84 (3439484.15 to 5461424.81)	2449.13 (1876.68 to 3052.23)
2009	7534211.42 (5890532.78 to 9374829.05)	2128.11 (1660.49 to 2667.06)	3137647.57 (2443327.19 to 3959305.00)	1816.21 (1415.18 to 2287.12)	4396563.86 (3434027.66 to 5474533.49)	2433.34 (1865.56 to 3052.88)
2010	7601162.94 (5929832.73 to 9481548.47)	2122.34 (1662.81 to 2667.34)	3165864.05 (2443913.11 to 4036771.24)	1810.20 (1410.65 to 2301.17)	4435298.90 (3472072.54 to 5542621.09)	2427.93 (1865.25 to 3060.16)
2011	7791783.78 (6057859.35 to 9701516.56)	2151.88 (1683.49 to 2707.61)	3254387.93 (2521713.63 to 4091679.98)	1840.22 (1428.12 to 2305.20)	4537395.85 (3548151.86 to 5623332.04)	2457.04 (1894.99 to 3094.83)
2012	8116003.14 (6329208.20 to 10073812.92)	2220.17 (1724.36 to 2785.03)	3408346.42 (2653065.93 to 4268058.87)	1909.19 (1470.87 to 2382.90)	4707656.72 (3702664.31 to 5834014.66)	2524.74 (1964.47 to 3177.98)
2013	8487684.63 (6655160.33 to 10521850.26)	2301.18 (1778.92 to 2881.72)	3586213.28 (2786560.53 to 4483848.01)	1990.89 (1527.91 to 2491.66)	4901471.35 (3872394.59 to 6073281.65)	2605.14 (2044.22 to 3268.54)

2014	8814948.54 (6935909.56 to 10930953.04)	2368.87 (1827.95 to 2967.48)	3742921.10 (2910520.17 to 4659431.47)	2059.13 (1570.80 to 2571.46)	5072027.44 (3988436.17 to 6296432.02)	2672.36 (2087.19 to 3349.88)
2015	9001717.20 (7086659.94 to 11148684.12)	2397.19 (1850.59 to 3002.09)	3831107.59 (2965530.03 to 4783300.51)	2087.70 (1578.92 to 2621.04)	5170609.60 (4054452.38 to 6425282.42)	2700.51 (2105.34 to 3407.82)
2016	9083683.74 (7146015.98 to 11235149.08)	2397.17 (1850.56 to 3002.07)	3867453.24 (2989687.68 to 4833778.79)	2087.70 (1578.91 to 2621.07)	5216230.50 (4092193.60 to 6474001.72)	2700.49 (2105.33 to 3407.80)
2017	9163094.45 (7203769.31 to 11321386.87)	2397.16 (1850.54 to 3002.07)	3902564.99 (3014104.72 to 4880601.30)	2087.70 (1578.91 to 2621.10)	5260529.46 (4129777.28 to 6515846.09)	2700.49 (2105.33 to 3407.78)
2018	9239739.14 (7261004.95 to 11405055.35)	2397.16 (1850.52 to 3002.08)	3936329.03 (3039085.31 to 4916403.46)	2087.71 (1578.92 to 2621.14)	5303410.10 (4166566.56 to 6553589.45)	2700.48 (2105.33 to 3407.78)
2019	9313901.26 (7315493.11 to 11482165.11)	2397.15 (1850.52 to 3002.08)	3968759.14 (3063133.06 to 4949844.89)	2087.71 (1578.92 to 2621.18)	5345142.12 (4203084.56 to 6589668.24)	2700.48 (2105.33 to 3407.77)
2020	9378022.05 (7361158.47 to 11543078.74)	2397.19 (1850.55 to 3002.15)	3996042.33 (3083167.27 to 4981347.52)	2087.72 (1578.93 to 2621.22)	5381979.72 (4236702.48 to 6624569.77)	2700.48 (2105.34 to 3407.77)
2021	9430459.08 (7397000.55 to 11590635.22)	2397.27 (1850.62 to 3002.28)	4017097.61 (3098758.01 to 5007426.90)	2087.73 (1578.93 to 2621.24)	5413361.47 (4265928.44 to 6653786.10)	2700.48 (2105.34 to 3407.78)
Percentage Change, 1990-2021	41.17% (33.95 to 48.92)	-0.2% (-0.32 to -0.1)	44.16% (35.94 to 53.08)	-0.05% (-0.08 to -0.01)	39.03% (32.37 to 46.41)	-0.06% (-0.11 to -0.01)