

Appendix 1—Demographic and clinical characteristics of Gout by the occurrence of obstructive sleep apnea.

	No Gout (n = 1,643,953)		Gout (n = 92,851)	
	No Sleep Apnea n = 1,605,211	Sleep Apnea n = 38,742	No Sleep Apnea n = 88,624	Sleep Apnea n = 4,227
Age, years, mean (SD)	75.4 (7.6)	71.6 (5.3)	75.4 (7.0)	71.8 (5.1)
Sex, n (%)				
Male	660,326 (41.1%)	22,099 (57.0%)	50,853 (57.4%)	2,940 (69.6%)
Female	944,885 (58.9%)	16,643 (43.0%)	37,771 (42.6%)	1,287 (30.4%)
Race, n (%)				
White	1,384,761 (86.3%)	35,119 (90.6%)	72,646 (82.0%)	3,683 (87.1%)
Black	128,968 (8.0%)	2,409 (6.2%)	10,784 (12.2%)	407 (9.6%)
Others	91,482 (5.7%)	1,214 (3.1%)	5,194 (5.9%)	137 (3.2%)
Charlson-Romano comorbidity score, mean (SD)	1.5 (2.4)	2.2 (2.5)	2.4 (2.7)	3.1 (2.9)
Charlson-Romano comorbidity score, n (%)				
0	868,389 (54.1%)	13,950 (36.0%)	29,865 (33.7%)	1,019 (24.1%)
1	158,078 (9.8%)	4,776 (12.3%)	11,454 (12.9%)	532 (12.6%)
≥ 2	578,744 (36.1%)	20,016 (51.7%)	47,305 (53.4%)	2,676 (63.3%)
Charlson-Romano comorbidities, n (%)				
Myocardial infarction	60,621 (3.8%)	2,249 (5.8%)	5,891 (6.6%)	329 (7.8%)
Heart failure	176,709 (11.0%)	6,854 (17.7%)	19,412 (21.9%)	1,204 (28.5%)
Peripheral vascular disease	151,445 (9.4%)	4,510 (11.6%)	13,320 (15.0%)	698 (16.5%)
Cerebrovascular disease	153,550 (9.6%)	4,328 (11.2%)	11,416 (12.9%)	523 (12.4%)
Dementia	75,502 (4.7%)	558 (1.4%)	2,312 (2.6%)	44 (1.0%)
Chronic pulmonary disease	241,351 (15.0%)	10,758 (27.8%)	18,084 (20.4%)	1,337 (31.6%)
Connective tissue disease	43,083 (2.7%)	1,416 (3.7%)	3,709 (4.2%)	165 (3.9%)
Peptic ulcer disease	29,572 (1.8%)	820 (2.1%)	2,461 (2.8%)	115 (2.7%)
Mild liver disease	7,599 (0.47%)	265 (0.68%)	660 (0.74%)	37 (0.88%)
Diabetes	280,378 (17.5%)	12,035 (31.1%)	27,132 (30.6%)	1,809 (42.8%)

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Diabetes with end organ damage	81,307 (5.1%)	4,167 (10.8%)	8,758 (9.9%)	699 (16.5%)
Hemiplegia	13,336 (0.83%)	293 (0.76%)	755 (0.85%)	36 (0.85%)
Renal failure/disease	47,970 (3.0%)	1,633 (4.2%)	9,693 (10.9%)	531 (12.6%)
Any tumor leukemia lymphoma	158,337 (9.9%)	4,752 (12.3%)	11,534 (13.0%)	528 (12.5%)
Moderate or severe liver disease	1,833 (0.11%)	35 (0.09%)	133 (0.15%)	7 (0.17%)
Metastatic cancer	17,075 (1.1%)	265 (0.68%)	678 (0.77%)	29 (0.69%)
AIDS	514 (0.03%)	10 (0.03%)	26 (0.03%)	3 (0.07%)
Hypertension, n (%)	747,126 (46.5%)	25,262 (65.2%)	64,100 (72.3%)	3,263 (77.2%)
Hyperlipidemia, n (%)	536,732 (33.4%)	20,856 (53.8%)	44,871 (50.6%)	2,482 (58.7%)
Coronary artery disease, n (%)	266,690 (16.6%)	11,091 (28.6%)	26,442 (29.8%)	1,568 (37.1%)

SD = standard deviation.