

Supplementary Table 1. Diagnoses, Procedures, and Drugs Used to Define Hemorrhoids

Code Type	Code List
ICD-9-CM Diagnosis	455.x
ICD-9-CM Procedure	49.4x
Common Procedural Terminology	45350, 45398, 46083, 46221, 46250, 46255, 46257, 46258, 46260, 46261, 46262, 46500, 46930, 46934, 46935, 46936, 46945, 46946, 46947
Prescription Medications (brand and generic names)	Anucort-HC (hydrocortisone) rectal Proctofoam HC rectal Proctosol HC rectal Hydrocortisone acetate rectal Analpram-HC rectal Proctozone-HC rectal lidocaine topical Anusol-HC rectal Analpram-HC Singles rectal hydrocortisone rectal hydrocortisone-pramoxine rectal Proctocort rectal Procto-Med HC rectal lidocaine-hydrocortisone rectal Procto-Pak rectal lidocaine-hydrocortisone topical lidocaine-hydrocortisone-aloe vera rectal PramCort rectal C7 Procort rectal Ana-Lex Kit rectal Ana-Lex rectal Hemmorex-HC rectal

Supplementary Table 2. Characteristics of Individuals with Hemorrhoid-Related Claims in the 2014 MarketScan Commercial Claims and Encounters Database, by Setting of Care, Primary and Secondary Diagnoses Only

Characteristic	Individuals with ≥ 1 Prescription Medication Claim N (%)	Individuals with ≥ 1 Physician Claim N (%)	Individuals with ≥ 1 Outpatient Facility Claim N (%)	Individuals with any Hemorrhoid-Related Claim N (%)
Total N (%)	119,120 (100)	296,857 (100)	139,264 (100)	408,883 (100)
Age				
18-34	26,388 (22)	43,304 (15)	14,698 (11)	61,545 (15)
35-44	26,034 (22)	49,952 (17)	19,094 (14)	68,643 (17)
45-54	34,369 (29)	101,676 (34)	53,222 (38)	138,345 (34)
55-64	32,329 (27)	101,925 (34)	52,250 (38)	140,350 (34)
Sex				
Male	50,915 (43)	135,238 (46)	59,881 (43)	180,589 (44)
Female	68,205 (57)	161,619 (54)	79,383 (57)	228,294 (56)

Supplementary Table 3. Total Annual Cost of Diagnosed and Treated Hemorrhoids in the 2014 MarketScan Commercial Claims and Encounters Database, by Setting of Care, Primary and Secondary Diagnoses Only

	Individuals with ≥ 1 Prescription Medication Claim	Individuals with ≥ 1 Physician Claim	Individuals with ≥ 1 Outpatient Facility Claim	Individuals with any Hemorrhoid-Related Claim
Total N (%)	119,120 (29)	296,857 (73)	139,264 (34)	408,883 (100)
Diagnostic claims (\$, %)	---	124,731,292 (36)	220,256,534 (64)	344,987,826 (100)
Procedure claims (\$, %)	---	15,326,429 (48)	16,521,687 (52)	31,848,116 (100)
Total annual cost (\$, %)	14,510,505 (4)	140,057,721 (36)	236,778,222 (61)	391,346,447 (100)

Supplementary Table 4. Total Annual Cost of Diagnosed and Treated Hemorrhoids Standardized to the 2014 US Employer-Insured Population, by Setting of Care, Primary and Secondary Diagnoses Only

	Individuals with ≥1 Prescription Medication Claim	Individuals with ≥1 Physician Claim	Individuals with ≥1 Outpatient Facility Claim	Individuals with any Hemorrhoid-Related Claim
Total N (%)	725,132 (30)	1,768,454 (72)	835,380 (34)	2,451,012 (100)
Diagnostic claims (\$, %)	---	728,520,716 (35)	1,342,625,532 (65)	2,071,146,248 (100)
Procedure claims (\$, %)	---	96,141,882 (48)	103,891,592 (52)	200,033,474 (100)
Total annual cost (\$, %)	87,793,349 (4)	824,662,598 (35)	1,446,517,124 (61)	2,358,973,071 (100)