

Table 1. Demographics and Clinical Characteristics of Adult (>18 yo) DiscovEHR Study Population		
Basic Demographics	GHS Active Patients	DiscovEHR Sequenced Patients
N	1,219,522	50,726
Female, N (%)	651,248 (53)	29,928 (59)
Median Age, yr	48 (29-65)	61 (48-74)
Median BMI, kg/m ²	27 (23-32)	30 (28-33)
Median Years of EHR Data	5 (1-11)	14 (11-17)
Median Medication Orders per Patient	18 (5-65)	129 (37-221)
Median Lab Results per Patient	116 (38-368)	658 (197-1,119)
Race		
American Indian or Alaska Native (%)	1,344 (0.1)	52 (0.1)
Asian (%)	9,625 (0.8)	129 (0.3)
Black or African American (%)	41,861 (3)	549 (1)
Native Hawaiian Or Other Pacific Islander (%)	3,306 (0.3)	41 (0.08)
Other (%)	6,347 (0.5)	3 (0.01)
Unknown (%)	23,319 (2)	61 (0.1)
White (%)	1,133,720 (93)	49,891 (98)
Ethnicity		
Hispanic or Latino (%)	35,516 (3)	549 (1)
Not Hispanic or Latino (%)	863,354 (71)	48,468 (96)
Unknown (%)	320,652 (26)	1,709 (3)
Cardiometabolic Phenotypes		
Coronary Artery Disease, N (%)	64,043 (5)	12,298 (24)
Type 2 Diabetes, N (%)	87,185 (7)	11,474 (23)
Heart Failure, N (%)	43,807 (4)	5,596 (11)
Bariatric Surgery, N (%)	6,258 (0.5)	3,112 (6)
Respiratory and Immunological Phenotypes		
COPD, N (%)	55,278 (5)	6,181 (12)
Asthma, N (%)	83,901 (7)	7,363 (15)
Rheumatoid Arthritis, N (%)	10,964 (1)	1,586 (3)
Ulcerative Colitis, N (%)	4,708 (0.4)	553 (1)
Neurodegenerative Phenotypes (0.5)		
Alzheimers Disease , N (%)	6,605 (0.5)	233 (0.5)
Parkinsons Disease, N (%)	6,513 (0.5)	555 (1)
Multiple Sclerosis, N (%)	4,349 (0.4)	487 (1)
Myasthenia Gravis, N (%)	735 (0.06)	90 (0.2)
Oncology Phenotypes		
Breast Cancer, N (%)	15,752 (1)	1,362 (3)
Prostate Cancer, N (%)	11,268 (1)	1,349 (3)
Lung Cancer, N (%)	7,398 (0.6)	550 (1)
Colorectal Cancer, N (%)	7,272 (0.6)	616 (1)
Unless otherwise noted, values are expressed as median (interquartile range). Abbreviations: EHR, electronic health records; GHS, Geisinger Health System. Diseases defined by <i>International Classification of Disease, Ninth Edition</i> (ICD-9) Diagnosis Codes.		