Exhibit 6-13. Percent Distribution of Diagnosed Conditions by Rural/Urban Status among Veteran VHA Patients, FY13					
	Highly Rural	Other Rural	Urban	TOTAL	
Count	74,496	2,030,960	3,521,078	5,626,534	
		_	_	-	

Exhibit 6-13. Percent Distribution of Diagnosed Conditions by Rural/Urban Status among Veteran
VHA Patients, FY13

Count	74,496	2,030,960	3,521,078	5,626,534
	%	%	%	%
INFECTIOUS DISEASE ^a				
HIV/AIDS	0.1	0.2	0.6	0.5
Tuberculosis	0.1	0.1	0.1	0.1
Mycoses	3.9	5.7	6.5	6.2
Infections - Other	3.1	3.3	3.7	3.5
ENDOCRINE/METABOLIC/NUTRITIONAL ^b				
Diabetes Mellitus	22.3	25.2	23.1	23.8
Lipid Disorders	46.6	51.9	44.8	47.4
Overweight/Obesity	11.5	15.8	15.4	15.5
Thyroid Disorders	8.6	7.7	7.0	7.2
Osteoporosis	1.0	1.0	1.2	1.1
Vitamin D Deficiency	3.2	4.3	4.6	4.5
Fluid and Electrolyte Disorders	3.5	3.7	3.9	3.8
Endocrine, Metabolic and Nutritional Disorders - Other	10.8	11.8	11.5	11.6
CARDIOVASCULAR ^c		I	L	
Hypertension	49.2	54.4	49.3	51.1
Chest Pain/Angina	4.9	4.8	4.9	4.9
Acute Myocardial Infarction	0.7	0.6	0.5	0.6
Coronary Artery Disease - Other	15.9	18.2	14.7	15.9
Heart Failure	5.1	5.1	4.7	4.8
Valvular Disease	2.9	2.9	2.7	2.8
Atrial Fibrillation/Flutter	5.8	5.7	5.1	5.3
Arrhythmia/Conduction Disorder - Other	5.8	5.6	5.2	5.4
Cardiac Conditions - Other	1.1	1.2	1.2	1.2
Cerebrovascular Accident/Transient Ischemic Attack	3.3	4.1	3.8	3.9
Cerebrovascular Disease - Other	1.7	2.1	2.1	2.1
Aortic Aneurysm	1.4	1.5	1.2	1.3
Pulmonary Embolism or Deep Vein Thrombosis	1.4	1.5	1.5	1.5
Vascular Disease - Other	5.1	5.8	5.6	5.6
Circulatory System Conditions - Other	3.4	3.8	3.7	3.7
RESPIRATORY ^d				
Chronic Obstructive Pulmonary Disease	11.4	11.3	8.1	9.3
Asthma	3.4	3.0	3.4	3.3
Sarcoidosis	0.1	0.2	0.2	0.2

	Highly Rural	Other Rural	Urban	TOTAL
Count	74,496	2,030,960	3,521,078	5,626,534
	%	%	%	%
Pneumonia	1.8	1.6	1.6	1.6
Respiratory System Infections - Other	5.6	6.3	6.9	6.7
Allergic and Other Chronic Sinusitis/Rhinitis	6.8	8.0	7.7	7.8
Dyspnea, Cough and Other Respiratory Symptoms	7.4	6.4	6.4	6.5
Respiratory Conditions - Other	5.6	5.2	5.0	5.1
GASTROINTESTINAL ^e				
Esophageal Disorders	18.3	20.3	16.4	17.9
Nausea and Vomiting	1.2	1.1	1.2	1.2
Gastroduodenal Ulcer	0.9	0.9	0.9	0.9
Gastric/Duodenal Disorders - Other	1.9	2.0	1.9	1.9
Gastrointestinal Hemorrhage	1.7	1.7	1.9	1.8
Polyp, Colorectal	6.4	6.5	5.7	6.0
Diverticulosis and Diverticulitis	3.1	2.8	2.4	2.6
Inflammatory Bowel Disease	0.6	0.6	0.6	0.6
Diarrhea/Constipation and Functional Bowel Disorders	4.2	4.4	4.6	4.5
Hernia	3.0	2.9	2.6	2.7
Hemorrhoids	2.2	2.3	2.5	2.4
Hepatitis C	1.6	1.8	3.0	2.5
Liver Disease - Other	2.9	3.2	3.7	3.5
Biliary Tract Disease	0.8	0.8	0.8	0.8
Pancreatic Disorders	0.4	0.5	0.6	0.5
Gastrointestinal System Disorders - Other	4.8	4.7	4.9	4.8
URINARY ^f				
Renal Failure or Nephropathy	6.0	6.8	7.1	7.0
Calculus of Urinary Tract	1.6	1.8	1.6	1.7
Hematuria	1.8	1.8	2.0	1.9
Kidney/Ureter Diseases - Other	1.5	1.6	1.5	1.6
Urinary Tract Infection (Cystitis/ Urethritis/ Pyelonephritis)	2.1	2.2	2.6	2.5
Urinary Incontinence	1.9	2.1	2.2	2.2
Urinary Symptoms - Other	2.4	2.2	2.2	2.2
Urinary Conditions - Other	3.1	2.7	2.8	2.8
REPRODUCTIVE HEALTH ^g				
Male Genital Disorders	13.4	13.4	11.8	12.4
Sexually Transmitted Infections	0.4	0.5	0.9	0.7

	Highly Rural	Other Rural	Urban	TOTAL
Count	74,496	2,030,960	3,521,078	5,626,534
	%	%	%	%
Vaginitis and Other Pelvic Inflammatory Conditions	0.1	0.2	0.4	0.3
Cervical Dysplasia/Atypical Squamous Cells of Uncertain Significance (ASCUS)	0.1	0.1	0.2	0.1
Endometriosis	< 0.1	< 0.1	0.1	0.1
Menstrual disorders	0.2	0.3	0.5	0.4
Fibroids	< 0.1	0.1	0.2	0.1
Ovarian Cyst	0.1	0.1	0.1	0.1
Polycystic Ovaries	< 0.1	< 0.1	0.1	0.1
Benign Gynecologic Neoplasms - Other	< 0.1	< 0.1	0.1	< 0.1
Prolapse of Female Genital Organs	0.1	< 0.1	0.1	0.1
Female Reproductive Organ Disorders - Other	0.5	0.5	0.8	0.7
Sexual Dysfunction	5.9	7.5	7.6	7.5
Contraceptive Care Management ^h	0.3	0.4	0.7	0.6
Infertility	< 0.1	< 0.1	0.1	0.1
Menopausal Disorders	0.5	0.4	0.5	0.5
Miscarriage	< 0.1	< 0.1	< 0.1	< 0.1
Ectopic Pregnancy	< 0.1	< 0.1	< 0.1	< 0.1
Pregnancy or Delivery - Normal	0.1	0.1	0.2	0.2
Pregnancy with Obstetrical Complications or Prolonged	0.1	0.1	0.2	0.1
Pregnancy Complicated by Diabetes Mellitus	< 0.1	< 0.1	< 0.1	< 0.1
Pregnancy Complicated by Hypertension	< 0.1	< 0.1	< 0.1	< 0.1
Pregnancy Complicated by Other Medical Conditions	< 0.1	< 0.1	0.1	0.1
BREAST ⁱ	•	•		
Breast Conditions, Benign or Unknown	0.5	0.5	0.6	0.6
Breast Conditions, Abnormal Radiologic Findings	< 0.1	< 0.1	0.1	0.1
CANCER ^j				
Cancer - Cervical	< 0.1	< 0.1	< 0.1	< 0.1
Cancer - Uterine	< 0.1	< 0.1	< 0.1	< 0.1
Cancer - Ovarian	< 0.1	< 0.1	< 0.1	< 0.1
Cancer - Female Reproductive - Other	< 0.1	< 0.1	< 0.1	< 0.1
Carcinoma in Situ - Cervical	< 0.1	< 0.1	< 0.1	< 0.1
Carcinoma in Situ - Female Reproductive - Other	< 0.1	< 0.1	< 0.1	< 0.1
Cancer - Breast	0.2	0.1	0.2	0.2

	Highly Rural	Other Rural	Urban	TOTAL
Count	74,496	2,030,960	3,521,078	5,626,534
	%	%	%	%
Carcinoma in Situ - Breast, Ductal or Lobular	< 0.1	< 0.1	< 0.1	< 0.1
Lymphomas	0.5	0.5	0.5	0.5
Leukemias	0.4	0.4	0.3	0.4
Multiple Myeloma	0.1	0.1	0.1	0.1
Cancer - Brain/Nervous System	0.1	0.1	0.1	0.1
Cancer - Head and Neck	0.5	0.6	0.6	0.6
Cancer - Thyroid	0.1	0.1	0.1	0.1
Cancer - Bronchopulmonary	0.8	0.9	0.7	0.8
Cancer - Esophagus	0.1	0.1	0.1	0.1
Cancer - Gastric	0.1	0.1	0.1	0.1
Cancer - Colorectal	1.0	1.0	0.9	0.9
Cancer - Anal	< 0.1	< 0.1	< 0.1	< 0.1
Cancer - Hepatobiliary	0.1	0.1	0.2	0.2
Cancer - Pancreatic	0.1	0.1	0.1	0.1
Cancer - Renal	0.4	0.4	0.4	0.4
Cancer - Bladder	0.9	0.9	0.8	0.8
Cancer - Prostate	5.2	4.8	4.8	4.8
Cancer - Testicular	0.1	0.1	0.1	0.1
Cancer - Bone/Connective Tissue	0.1	0.1	0.1	0.1
Melanoma	0.8	0.8	0.7	0.7
Carcinoma in Situ - Other	0.1	0.1	0.1	0.1
Cancer - Other and Unspecified Primary	1.6	1.5	1.4	1.4
HEMATOLOGIC/IMMUNOLOGIC ^k				
Anemia	5.5	6.9	7.6	7.3
Thrombocytopenia	1.1	1.1	1.2	1.2
Coagulation and Hemorrhagic Disorders	0.7	0.6	0.6	0.6
Hematologic/Immunologic Conditions - Other	2.3	2.2	2.3	2.2
MUSCULOSKELETAL				
Connective Tissue Disease	0.3	0.3	0.3	0.3
Rheumatoid Arthritis and Related Disease	1.1	1.0	0.8	0.8
Inflammatory Spondyloarthropathies	0.3	0.4	0.3	0.3
Polymyalgia Rheumatica	0.2	0.2	0.1	0.1
Vasculitis	0.1	0.1	0.1	0.1
Gout/Crystal Arthropathies	4.3	4.1	3.7	3.8
Spine Disorders - Cervical	5.4	5.4	5.5	5.4
Spine Disorders - Lumbosacral	16.8	17.7	17.9	17.8
Spine Disorders - Other/Unspecified	7.9	7.9	7.4	7.6

	Highly Rural	Other Rural	Urban	TOTAL
Count	74,496	2,030,960	3,521,078	5,626,534
	%	%	%	%
Joint Disorders - Upper Extremity	10.8	9.7	9.7	9.7
Joint Disorders - Lower Extremity	15.5	15.5	16.7	16.3
Joint Disorders - Unspecified or Multiple Joints	15.5	16.8	14.3	15.2
Foot Deformities	2.4	2.8	3.2	3.1
Fracture - Hip	0.2	0.2	0.2	0.2
Fracture - Other	2.2	1.9	2.1	2.0
Osteomyelitis/Infectious Arthritis	0.4	0.4	0.4	0.4
Amputation	0.7	0.7	0.7	0.7
Myasthenia Gravis/Myoneural Disorders	0.1	0.1	0.1	0.1
Myalgia/Myositis, Unspecified	1.3	1.3	1.4	1.4
Musculoskeletal Conditions - Other	7.8	7.7	8.2	8.0
NEUROLOGIC ^m				
Multiple Sclerosis	0.3	0.3	0.3	0.3
Epilepsy/ Convulsions	1.3	1.5	1.6	1.6
Parkinson's Disease	0.8	0.9	0.8	0.8
Intracranial Hemorrhage	0.2	0.2	0.2	0.2
Traumatic Brain Injury	1.4	1.4	1.7	1.6
Dementia	2.1	2.4	2.8	2.6
Cognitive Disorders - Other	2.6	2.8	3.2	3.0
Spinal Cord Injury	0.3	0.4	0.4	0.4
Paralysis - Other	0.4	0.4	0.4	0.4
Headache	4.1	4.7	5.3	5.1
Dizziness/Vertigo	2.8	2.7	2.7	2.7
Peripheral Nerve Disorders	5.3	5.0	4.7	4.8
Carpal Tunnel Syndrome	1.7	1.6	1.5	1.5
Nervous System Symptoms/Disorders - Other	5.5	5.8	6.2	6.0
MENTAL HEALTH/SUBSTANCE USE DISORDE	R			
Major Depressive Disorder	4.0	5.3	6.3	5.9
Depression, Possible - Other	13.1	15.6	16.3	16.0
PTSD	10.8	12.1	12.1	12.1
Acute Stress Disorders	0.1	0.2	0.2	0.2
Anxiety Disorders - Other	6.0	8.8	9.3	9.1
Adjustment Disorders	1.4	2.2	2.8	2.6
Bipolar Disorders	1.5	1.9	2.6	2.3
Schizophrenia	0.8	1.1	1.9	1.6
Psychotic Disorders - Other	0.7	0.8	1.1	1.0
Alcohol Use Disorders	5.6	6.0	7.7	7.1

	Highly Rural	Other Rural	Urban	TOTAL
Count	74,496	2,030,960	3,521,078	5,626,534
	%	%	%	%
Drug Use Disorders	2.1	3.0	5.2	4.4
Eating Disorders	< 0.1	< 0.1	0.1	0.1
Dissociative Disorders	< 0.1	< 0.1	< 0.1	< 0.1
Personality Disorders	0.6	0.8	1.1	1.0
Conduct/Impulse Control Disorders	0.2	0.3	0.3	0.3
Somatoform Disorders	0.2	0.4	0.4	0.4
Attention Deficit Disorder/Hyperkinetic Disorder	0.4	0.6	0.8	0.7
Psychiatric Disorders - Nonspecific	1.1	1.3	2.0	1.7
SENSE ORGANS				
Blindness/Low Vision	1.7	1.8	1.9	1.9
Refraction Disorders	15.0	18.9	18.8	18.8
Glaucoma	5.1	7.0	8.3	7.8
Cataract	15.4	17.6	16.1	16.6
Eye Disorders - Other	14.3	16.8	16.6	16.6
Hearing Problems	19.0	19.1	16.7	17.6
Ear Disorders - Other	4.6	4.8	4.8	4.8
DENTAL				
Dental Caries	4.4	4.9	5.5	5.3
Gingivitis/Periodontitis	3.0	3.3	4.0	3.7
Loss of Teeth	2.0	2.5	2.8	2.7
Dental Disorders - Other	4.7	5.5	6.4	6.1
DERMATOLOGIC ⁿ				
Skin Cancer (Non-Melanoma)	2.8	3.2	2.5	2.8
Skin Ulcer - Chronic	1.2	1.2	1.4	1.3
Skin Infection	2.7	2.9	3.2	3.1
Psoriasis	1.0	1.1	1.0	1.1
Dermatologic Disorders - Other	18.9	18.4	18.2	18.3
OTHER [°]				
Sleep Apnea	9.2	8.7	8.5	8.6
Sleep Disturbance - Other	6.2	6.7	6.2	6.4
Malaise and Fatigue	2.6	2.0	1.7	1.8
Syncope	1.0	1.1	1.1	1.1
Abdominal Pain	3.6	3.2	3.5	3.4
Chronic Pain Syndromes	4.0	3.8	3.4	3.6
Allergies and Urticaria	1.4	1.5	1.6	1.5
Edema	3.2	2.6	2.5	2.6
Symptoms - Other	2.3	2.8	3.3	3.1

	Highly Rural	Other Rural	Urban	TOTAL
Count	74,496	2,030,960	3,521,078	5,626,534
	%	%	%	%
Tobacco Use Disorder ^p	14.2	15.8	14.1	14.7
Tobacco Use History ^p	1.8	2.2	1.9	2.0
Poisoning	0.3	0.3	0.4	0.3
Other Injuries and Conditions Due to External Causes	6.4	6.4	7.3	6.9
Effects of Surgical Procedures or Medical Care	1.8	1.6	1.6	1.6
Housing Insufficiency ^q	1.3	1.3	4.2	3.1
Psychosocial Factors - Other	3.8	4.5	7.4	6.3
Residual Codes	12.4	12.9	13.4	13.2

^a Infectious Disease domain conditions representing systemic infections (such as HIV disease) or infection of an unspecified organ system are listed in this Exhibit. Other infectious diseases secondarily mapping to the Infectious Disease domain (but listed under the organ system to which they primarily map) are: Pneumonia (Respiratory domain); Respiratory System Infections - Other (Respiratory domain); Hepatitis C (Gastrointestinal domain); Urinary Tract Infection

(Cystitis/Urethritis/Pyelonephritis) (Urinary domain); Sexually Transmitted Infections (Reproductive Health domain); Vaginitis and Other Pelvic Inflammatory Conditions (Reproductive Health domain); Osteomyelitis/Infectious Arthritis (Musculoskeletal domain); Skin Infection (Dermatologic domain).

^b All Endocrine/Metabolic/Nutritional domain conditions are listed in this Exhibit, except for: Pregnancy Complicated by Diabetes Mellitus (listed under Reproductive Health, the domain to which it is primarily mapped), and Cancer – Thyroid (listed under Cancer, the domain to which it is primary mapped).

^c All Cardiovascular domain conditions are listed in this Exhibit, except for Pregnancy Complicated by Hypertension (listed under Reproductive Health, the domain to which it is primarily mapped).

^d All Respiratory domain conditions are listed in this Exhibit, except for Cancer – Bronchopulmonary (listed under Cancer, the domain to which it is primarily mapped).

^e All Gastrointestinal domain conditions are listed in this Exhibit, except for: Cancer – Esophagus; Cancer – Gastric; Cancer – Colorectal; Cancer – Anal; Cancer – Hepatobiliary; and Cancer – Pancreatic (all listed under Cancer, the domain to which they are primary mapped).

[†] All Urinary domain conditions are listed in this Exhibit, except for: Cancer – Renal; and Cancer – Bladder, which are listed under Cancer, the domain to which they are primary mapped.

⁸ All Reproductive Health domain conditions are listed in this Exhibit, except for: Cancer – Cervical; Cancer – Uterine; Cancer – Ovarian; Cancer – Female Reproductive – Other; Carcinoma in Situ – Cervical; Carcinoma in Situ – Female Reproductive – Other; Cancer – Prostate; and Cancer – Testicular (all listed under Cancer, the domain to which they are primary mapped). A very small number of women were coded with men-only conditions and men coded with women-only conditions; this may be legitimate (in transgender patients), or may represent coding errors.

^h Contraceptive Care Management is treated as a "condition," because it is such a common and important health issue for women. This is the only medical procedure that is treated as a condition in this report. This procedure is counted towards the frequencies listed here only if a clinician enters one of the ICD-9-CM diagnosis codes mapping to Contraceptive Care Management on an encounter form.

ⁱ All Breast domain conditions are listed in this Exhibit, except for: Cancer – Breast; and Carcinoma in Situ – Breast, Ductal or Lobular, which are listed under Cancer, the domain to which they are primary mapped.

¹ Cancer rates do not necessarily represent new (incident) cancer cases. Carcinoma in Situ can is grouped in this report within the Cancer domain.

^k All Hematologic/Immunologic domain conditions are listed in this Exhibit, except for: Lymphomas; Leukemias; and Multiple Myeloma (all listed under Cancer, the domain to which they are primary mapped).

¹All Musculoskeletal domain conditions are listed in this Exhibit, except for Cancer – Bone/Connective Tissue (listed under Cancer, the domain to which is it primarily mapped).

^m All Neurologic domain conditions are listed in this Exhibit, except for Cerebrovascular Accident/Transient Ischemic Attack (listed under Cardiovascular, the domain to which it is primarily mapped), and Cancer – Brain/Nervous System (listed under Cancer, the domain to which it is primary mapped).

ⁿ All Dermatologic domain conditions are listed in this Exhibit, except for Melanoma (listed under Cancer, the domain to which is it primarily mapped).

^o The "Other" domain consists of symptoms, health risk factors, psychosocial factors, external factors, and residual conditions that do not fit within another major condition.

^P The rate of tobacco use may under-estimate true prevalence, as clinicians may not code this health risk behavior as a diagnosis on the clinical encounter form.

^q Housing Insufficiency frequencies should not be used to estimate the proportion of Veteran VHA patients who are homeless, since it detects only Veterans who received a diagnosis code for housing insufficiency as part of a medical encounter. Also see: Montgomery AE, Fargo JD, Byrne TH, Kane VR, Culhane DP. Universal screening for homelessness and risk for homelessness in the Veterans Health Administration. American Journal of Public Health 2013;103 Suppl 2:S210-S211.

Missing = 25,537

Denominator: All Veterans who used any VHA care in FY2013 (VHA outpatient care, inpatient care, pharmacy care, or Non-VA [Fee] Medical Care), referred to as "Veteran FY2013 VHA patients" (Data source: WHEI Master Database).

Source: VHA National Veteran Health Equity Report 2016