

**Online Supplementary Material**

Coco AS, Kleinhans E. The prevalence of primary HIV infection in symptomatic ambulatory patients.  
*Ann Fam Med.* 2005;3:400-404.

<http://www.annfammed.org/cgi/content/full/3/5/400/DC1>

**Supplemental Table 1. Annual Number of Patients Visiting Physician's Offices, Emergency Departments and Hospital Clinics With Fever and Other Top 3 Symptoms and Diagnoses Consistent With Primary HIV Infection**

<b>ICD-9-CM Codes</b>	<b>Diagnosis</b>	<b>Annual Number of Patients</b>
00000	Blank	2,226
0088-	Enteritis due to other organism, not elsewhere classified	2,225
0092-	Infectious diarrhea	85,806
0340-	Streptococcal sore throat	299,778
0389-	Unspecified septicemia	1,593
075--	Infectious mononucleosis	77,563
07999	Unspecified viral infection	268,973
2765-	Volume depletion	5,597
30781	Tension headache	12,712
460--	Acute nasopharyngitis-common cold	1,641
4619-	Acute sinusitis, unspecified	27,394
462--	Acute pharyngitis	393,303
463--	Acute tonsillitis	105,464
4659-	Acute upper respiratory infections of unspecified site	98,254
4660-	Acute bronchitis	82,706
46619	Acute bronchiolitis due to other infectious organisms	29,004
4871-	Influenza w/ other respiratory manifestations	168,862
490--	Bronchitis, not specified as acute or chronic	63,155
5198-	Other diseases of respiratory system	4,281
53550	Unspecified gastritis	28,205
5362-	Persistent vomiting	4,089
5589-	Other and unspecified noninfectious gastroenteritis	51,454
6929-	Unspecified cause	8,366
7231	Cervicalgia	5,612
7291-	Myalgia and myositis, unspecified	2,610
7806-	Pyrexia of unknown origin	142,369
78079	Other malaise and fatigue	71,162

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## Online Supplementary Data

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7809-	Other general symptoms	26,074
7821-	Rash and other nonspecific skin eruption	327
7840-	Headache	20,052
78701	Nausea with vomiting	3,363
78703	Vomiting alone	6,248
78791	Diarrhea	2,857
7862-	Cough	1,068
78900	Abdominal pain, unspecified site	71,158
	<b>Total</b>	<b>2,175,551 ± 452,520</b>

Note: Total includes ± relative standard error as calculated according to National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey guidelines.  
HIV = human immunodeficiency virus; ICD-9-CM = International Classification of Diseases, Ninth Revision – Clinical Modification.

**Supplemental Table 2. Annual Number of Patients Visiting Physician's Offices, Emergency Departments, and Hospital Clinics With Rash and Other Top 3 Symptoms and Diagnoses Consistent With Primary HIV Infection**

ICD-9-CM Codes	Diagnosis	Annual Number of Patients
00000	Blank	5,694
0088-	Enteritis due to other organism	4,228
0092-	Infectious diarrhea	1,886
0340-	Streptococcal sore throat	77,304
0579-	Viral exanthem, unspecified	21,085
07999	Unspecified viral infection	82,013
34690	Migraine, unspecified without mention of intractable migraine	13,603
462--	Acute pharyngitis	77,852
6929-	Unspecified cause	790,016
6951-	Erythema multiforme	19,250
7245-	Backache, unspecified	2,724
7806-	Pyrexia of unknown origin	6,145
7821-	Rash and other nonspecific skin eruption	235,181
7828-	Changes in skin texture	770
8470-	Headache	1,163
V990-	Noncodable diagnosis/insufficient information	4,675
V997-	Diagnosis of "none"	471
	<b>Total</b>	<b>1,344,060 ± 377,339</b>

Note: Total includes ± relative standard error as calculated according to National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey guidelines.

HIV = human immunodeficiency virus; ICD-9-CM = International Classification of Diseases, Ninth Revision – Clinical Modification.

**Supplemental Table 3. Annual Number of Patients Visiting Physician's Offices, Emergency Departments, and Hospital Clinics With Pharyngitis and Other Top 3 Symptoms and Diagnoses Consistent With Primary HIV Infection**

ICD-9-CM Codes	Diagnosis	Annual Number of Patients
00000	Blank	4,503
0340-	Streptococcal sore throat	780,323
0341-	Scarlet fever	4,013
4100	Streptococcus, unspecified bacterial infection	29,194
0419-	Bacterial infection, unspecified	2,893
075--	Infectious mononucleosis	254,954
0792-	Coxsackie virus	39,384
07999	Unspecified viral infection	129,696
3829-	Unspecified otitis media	269,578
460--	Acute nasopharyngitis-common cold	17,364
4619-	Acute sinusitis-unspecified	39,400
462--	Acute pharyngitis	2,892,287
463--	Acute tonsillitis	518,177
4640-	Acute laryngitis	59,169
46410	Acute tracheitis w/o mention of obstruction	5,150
4658-	Acute upper respiratory infections of multiple sites	103,738
4659-	Acute upper respiratory infections of unspecified site	950,033
4660-	Acute bronchitis	37,473
47400	Chronic tonsillitis	7,725
490--	Bronchitis, not specified as acute or chronic	134,876
5198-	Other diseases of respiratory system, not elsewhere classified	4,281
53081	Esophageal reflux	5,150
5589-	Other and unspecified noninfectious gastroenteritis and colitis	71,162
7231-	Cervicalgia	2,425
7291-	Myalgia and myositis, unspecified	4,913
7806-	Pyrexia of unknown origin	28,919
7822-	Localized superficial swelling , mass, or lump	1,063
7840-	Headache	5,080
7841-	Throat pain	6,819
78791	Diarrhea	1,933
78900	Abdominal pain of unspecified site	2,540
V997-	Diagnosis of "none"	896
	<b>Total</b>	<b>6,415,111 ± 886,258</b>

Note: Total includes ± relative standard error as calculated per NAMCS/NHAMCS guidelines.

HIV = human immunodeficiency virus; NAMCS = National Ambulatory Medical Care Survey; NHAMCS = National Hospital Ambulatory Medical Care Survey.

**Supplemental Table 4. Numerator Estimate: Annual Number of Patients Aged 13 to 54 Years With Primary HIV Infection Visiting Physician Offices, Emergency Departments, and Hospital Clinics With Fever, Rash, or Pharyngitis**

Characteristics	Symptom		
	Fever	Rash	Pharyngitis
Annual new HIV infections, No.	40,000	40,000	40,000
Ambulatory patients represented by NAMCS and NHAMCS, %	90	90	90
Patients seeking care, %	50	50	50
Primary HIV infections for age-group, %	95.2	95.2	95.2
PHI patients with symptom, % (95% CI)	84 (78-90)	44 (35-53)	50 (41-59)
Numerator estimate (95% CI)	14,394 (13,880-15,936)	7,540 (5,998-9,082)	8,568 (7,026-10,436)

Note: 40,000 was multiplied by the percentages in columns 3-6 to obtain the numerator estimate in column 7.  
HIV = human immunodeficiency virus; PHI = primary HIV infection; CI = confidence interval.