



# Migraine Costs Fact Sheet

## Prevalence of migraine in adults (20-55 years old)

1. Recommended values: Prevalence for males = 10.8%; Prevalence for females = 22.3%
2. Range: Males [5.6-14.8]%; Females [17.1-27.6]%
3. Source
  - a. [Smitherman TA et al. The Prevalence, Impact, and Treatment of Migraine and Severe Headaches in the United States: A Review of Statistics from National Surveillance Studies Headache;53:427-436, 2013.](#)

## Estimated # lost work days for severe or frequent headaches

1. Recommended value: 7.8 days/year
2. Range: [5.2-10.43] days/year
3. Sources
  - a. [Integrated Benefits Institute: Gilford B. Sharing the Pain: The Productivity of Employees with Migraine and Chronic Severe Headaches, IBI Research, 2013.](#)
  - b. [Stokes M et al. Cost of health care among patients with chronic and episodic migraine in Canada and the USA: results from the International Burden of Migraine Study \(IBMS\), Headache;51: 1058-1077, 2011.](#)

## Cost of Emergency Room visit

1. Recommended value: \$1,518/visit
2. Range: \$[1,093 - 1,943]
3. Source
  - a. [Caldwell N et al. How Much Will I get Charged for This? Patient Charges for Top Ten Diagnoses in the Emergency Department. PLoS ONE 8: e55491, 2013.](#)

## Impact of migraine disease management on healthcare costs

1. Recommended value: 20% reduction of costs for office visits and ED visits
2. Range: [15-35]%
3. Sources
  - a. [Blumenfeld A, Tischio M. Center of Excellence for Headache Care: Group Model at Kaiser Permanente. Headache. 43: 431-440, 2003.](#)
  - b. [Smith TR et al. Primary Care Migraine Education Program Has Benefit on Headache Impact and Quality of Life: Results from the Mercy Migraine Management Program. Headache. 50: 600-612, 2010.](#)



## Impact of migraine disease management on lost work days

1. Recommended value: 30% reduction of lost work days
2. Range: [15-33]%
4. Sources
  - a. [Blumenfeld A, Tischio M. Center of Excellence for Headache Care: Group Model at Kaiser Permanente. Headache. 43: 431–440, 2003.](#)
  - b. [Smith TR et al. Primary Care Migraine Education Program Has Benefit on Headache Impact and Quality of Life: Results from the Mercy Migraine Management Program. Headache. 50: 600–612, 2010.](#)

## Costs for Migraine Healthcare, per Migraine Type, in the US

Migraine type

% Episodic migraine (less than 15 headache days per month) = 84.5% of all migraineurs

% Chronic migraine (at least 15 headache days per month) = 15.5% of all migraineurs

Costs per patient per year (\$US)

CATEGORY	EPISODIC MIGRAINE	CHRONIC MIGRAINE
<b>HEALTHCARE OFFICE VISITS</b>	176	500
<b>EMERGENCY DEPARTMENT</b>	331	310
<b>HOSPITALIZATION</b>	72	0
<b>PROCEDURES</b>	127	557
<b>MEDICATIONS</b>	1,040	3002
<b>TOTAL</b>	<b>\$ 1,747</b>	<b>\$ 4,369</b>

Sources:

1. [Stokes M et al. Cost of health care among patients with chronic and episodic migraine in Canada and the USA: results from the International Burden of Migraine Study \(IBMS\). Headache;51: 1058-1077, 2011.](#)
2. [Caldwell N et al. How Much Will I get Charged for This? Patient Charges for Top Ten Diagnoses in the Emergency Department. PLoS ONE 8: e55491, 2013.](#)