

Annual Incidence of Foot Ulcer Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries, 2006-2008, by Age, Gender, and Race, and Broken Down by Diagnosis of Peripheral Artery Disease (PAD)

Algorithm 3: 12-month period of continuous enrollment and continuous FFS enrollment throughout the year.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Incidence of Foot Ulcer in Enrolled Diabetic Population		
			Incidence of Foot Ulcer	Incidence of Foot Ulcer With PAD Among Enrolled Beneficiaries With Diabetes and PAD	Incidence of Foot Ulcer Without PAD Among Enrolled Beneficiaries With Diabetes and Without PAD
Total	All	2006	6.0%	13.5%	4.0%
Age	Disabled/end stage renal disease (under 65)	2006	7.0%	16.8%	5.0%
	65 and over	2006	5.9%	13.0%	3.8%
	Under 45	2006	6.5%	18.9%	5.2%
	45 to 54	2006	7.2%	17.5%	5.3%
	55 to 64	2006	7.0%	16.3%	4.7%
	65 to 74	2006	4.6%	12.0%	3.0%
	75 to 84	2006	6.2%	12.8%	4.0%
	85 to 94	2006	8.8%	15.0%	5.8%
	95 and over	2006	11.5%	17.1%	8.1%
Gender	Unknown	2006	*	*	*
	Male	2006	6.0%	14.1%	3.8%
	Female	2006	6.0%	13.0%	4.1%
Race	Unknown	2006	7.8%	14.9%	5.3%
	White	2006	6.0%	13.3%	4.1%
	Black	2006	6.5%	14.7%	3.8%
	Other	2006	4.2%	12.9%	2.6%
	Asian	2006	3.5%	10.8%	2.3%
	Hispanic	2006	6.5%	12.8%	3.9%
	American Indian/Alaska Native	2006	6.9%	17.9%	5.0%
Total	All	2007	6.0%	13.2%	4.0%
Age	Disabled/end stage renal disease (under 65)	2007	7.0%	16.5%	5.0%
	65 and over	2007	5.8%	12.8%	3.8%
	Under 45	2007	6.5%	18.5%	5.3%
	45 to 54	2007	7.1%	17.1%	5.3%
	55 to 64	2007	7.0%	16.0%	4.8%
	65 to 74	2007	4.6%	11.7%	3.0%
	75 to 84	2007	6.1%	12.5%	3.9%
	85 to 94	2007	8.7%	14.8%	5.8%
	95 and over	2007	11.4%	16.7%	8.0%
Gender	Unknown	2007	*	*	*

Breakdown	Category	Year	Incidence of Foot Ulcer in Enrolled Diabetic Population		
			Incidence of Foot Ulcer	Incidence of Foot Ulcer With PAD Among Enrolled Beneficiaries With Diabetes and PAD	Incidence of Foot Ulcer Without PAD Among Enrolled Beneficiaries With Diabetes and Without PAD
	Male	2007	6.0%	13.7%	3.8%
	Female	2007	6.0%	12.8%	4.1%
Race	Unknown	2007	7.8%	14.7%	5.3%
	White	2007	6.0%	13.1%	4.1%
	Black	2007	6.4%	14.3%	3.7%
	Other	2007	4.1%	12.1%	2.5%
	Asian	2007	3.4%	10.4%	2.1%
	Hispanic	2007	6.4%	12.7%	3.9%
	American Indian/Alaska Native	2007	6.8%	17.5%	4.9%
Total	All	2008	6.0%	13.1%	3.9%
Age	Disabled/end stage renal disease (under 65)	2008	6.9%	16.2%	4.9%
	65 and over	2008	5.8%	12.6%	3.7%
	Under 45	2008	6.5%	18.4%	5.3%
	45 to 54	2008	7.1%	17.3%	5.2%
	55 to 64	2008	6.9%	15.6%	4.7%
	65 to 74	2008	4.6%	11.7%	3.0%
	75 to 84	2008	6.0%	12.2%	3.9%
	85 to 94	2008	8.7%	14.6%	5.7%
	95 and over	2008	11.3%	16.4%	7.9%
Gender	Unknown	2008	*‡	*	*
	Male	2008	6.0%	13.6%	3.8%
	Female	2008	5.9%	12.6%	4.0%
Race	Unknown	2008	7.0%	13.5%	4.7%
	White	2008	6.0%	12.9%	4.0%
	Black	2008	6.3%	14.0%	3.7%
	Other	2008	4.0%	11.6%	2.5%
	Asian	2008	3.4%	9.8%	2.1%
	Hispanic	2008	6.4%	12.8%	3.8%
	American Indian/Alaska Native	2008	7.0%	17.5%	5.0%

Annual Incidence of Lower Extremity Amputation (LEA) Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries, 2006-2008, by Age, Gender, and Race, and Broken Down by Diagnosis of Peripheral Artery Disease (PAD)

Algorithm 3: 12-month period of continuous enrollment and continuous FFS enrollment throughout the year.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Incidence of LEA in Enrolled Diabetic Population		
			Incidence of LEA	Incidence of LEA With PAD Among Enrolled Beneficiaries With Diabetes and PAD	Incidence of LEA Without PAD Among Enrolled Beneficiaries With Diabetes and Without PAD
Total	All	2006	0.5%	2.1%	0.053%
Age	Disabled/end stage renal disease (under 65)	2006	0.8%	4.4%	0.108%
	65 and over	2006	0.4%	1.8%	0.042%
	Under 45	2006	0.6%	5.4%	0.124%
	45 to 54	2006	0.9%	5.0%	0.129%
	55 to 64	2006	0.9%	4.0%	0.091%
	65 to 74	2006	0.4%	2.1%	0.044%
	75 to 84	2006	0.5%	1.7%	0.042%
	85 to 94	2006	0.6%	1.6%	0.040%
	95 and over	2006	0.5%	1.3%	0.038%
Gender	Unknown	2006	*	*	*
	Male	2006	0.6%	2.7%	0.063%
	Female	2006	0.4%	1.7%	0.045%
Race	Unknown	2006	0.6%	2.1%	*
	White	2006	0.4%	1.9%	0.055%
	Black	2006	0.9%	3.5%	0.046%
	Other	2006	0.4%	2.4%	0.036%
	Asian	2006	0.2%	1.4%	0.014%
	Hispanic	2006	0.6%	2.1%	0.033%
	American Indian/Alaska Native	2006	1.0%	5.6%	0.135%
Total	All	2007	0.5%	1.9%	0.055%
Age	Disabled/end stage renal disease (under 65)	2007	0.7%	3.7%	0.114%
	65 and over	2007	0.4%	1.6%	0.043%
	Under 45	2007	0.5%	4.6%	0.119%
	45 to 54	2007	0.7%	4.0%	0.132%
	55 to 64	2007	0.8%	3.5%	0.103%
	65 to 74	2007	0.4%	1.9%	0.046%
	75 to 84	2007	0.4%	1.5%	0.041%
	85 to 94	2007	0.5%	1.5%	0.039%
	95 and over	2007	0.5%	1.2%	0.042%

Breakdown	Category	Year	Incidence of LEA in Enrolled Diabetic Population		
			Incidence of LEA	Incidence of LEA With PAD Among Enrolled Beneficiaries With Diabetes and PAD	Incidence of LEA Without PAD Among Enrolled Beneficiaries With Diabetes and Without PAD
Gender	Unknown	2007	*	*	*
	Male	2007	0.6%	2.4%	0.063%
	Female	2007	0.4%	1.5%	0.048%
Race	Unknown	2007	0.5%	1.7%	*
	White	2007	0.4%	1.7%	0.058%
	Black	2007	0.8%	3.0%	0.044%
	Other	2007	0.4%	2.1%	0.033%
	Asian	2007	0.2%	1.3%	0.016%
	Hispanic	2007	0.5%	1.8%	0.035%
	American Indian/Alaska Native	2007	0.8%	4.7%	0.131%
Total	All	2008	0.4%	1.8%	0.058%
Age	Disabled/end stage renal disease (under 65)	2008	0.7%	3.6%	0.117%
	65 and over	2008	0.4%	1.5%	0.046%
	Under 45	2008	0.5%	4.4%	0.128%
	45 to 54	2008	0.7%	4.0%	0.138%
	55 to 64	2008	0.8%	3.4%	0.102%
	65 to 74	2008	0.4%	1.8%	0.050%
	75 to 84	2008	0.4%	1.4%	0.042%
	85 to 94	2008	0.5%	1.3%	0.043%
	95 and over	2008	0.5%	1.1%	0.030%
Gender	Unknown	2008	*	*	*
	Male	2008	0.6%	2.3%	0.068%
	Female	2008	0.3%	1.4%	0.050%
Race	Unknown	2008	0.5%	1.6%	*
	White	2008	0.4%	1.6%	0.061%
	Black	2008	0.7%	2.8%	0.045%
	Other	2008	0.4%	2.0%	0.036%
	Asian	2008	0.2%	1.1%	0.014%
	Hispanic	2008	0.5%	1.8%	0.049%
	American Indian/Alaska Native	2008	0.8%	4.3%	0.132%

Quarterly Incidence of Foot Ulcer Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries, 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Incidence of Foot Ulcer in Enrolled Diabetic Population			
			Q1	Q2	Q3	Q4
Total	All	2006	1.76%	1.81%	1.68%	1.47%
Age	Disabled/end stage renal disease (under 65)	2006	1.99%	2.14%	2.07%	1.63%
	65 and over	2006	1.72%	1.74%	1.61%	1.44%
	Under 45	2006	1.76%	2.01%	1.99%	1.41%
	45 to 54	2006	2.03%	2.20%	2.15%	1.66%
	55 to 64	2006	2.02%	2.15%	2.04%	1.68%
	65 to 74	2006	1.33%	1.39%	1.31%	1.12%
	75 to 84	2006	1.79%	1.82%	1.68%	1.54%
	85 to 94	2006	2.64%	2.65%	2.38%	2.22%
	95 and over	2006	3.66%	3.45%	3.18%	3.22%
Gender	Unknown	2006	*	*	*	*
	Male	2006	1.80%	1.83%	1.70%	1.49%
	Female	2006	1.73%	1.79%	1.66%	1.45%
Race	Unknown	2006	2.11%	2.32%	2.09%	1.94%
	White	2006	1.74%	1.79%	1.68%	1.47%
	Black	2006	1.94%	1.97%	1.75%	1.55%
	Other	2006	1.25%	1.32%	1.19%	0.99%
	Asian	2006	1.01%	1.05%	0.97%	0.89%
	Hispanic	2006	1.96%	2.06%	1.92%	1.61%
	American Indian/Alaska Native	2006	2.03%	2.04%	1.93%	1.70%
Total	All	2007	1.74%	1.78%	1.67%	1.47%
Age	Disabled/end stage renal disease (under 65)	2007	1.98%	2.13%	2.04%	1.63%
	65 and over	2007	1.69%	1.72%	1.60%	1.43%
	Under 45	2007	1.74%	1.94%	1.97%	1.48%
	45 to 54	2007	1.96%	2.18%	2.08%	1.64%
	55 to 64	2007	2.04%	2.15%	2.03%	1.66%
	65 to 74	2007	1.30%	1.37%	1.30%	1.12%
	75 to 84	2007	1.76%	1.79%	1.68%	1.52%
	85 to 94	2007	2.62%	2.57%	2.35%	2.23%
	95 and over	2007	3.54%	3.43%	3.24%	3.11%
Gender	Unknown	2007	*	*	*	*
	Male	2007	1.77%	1.81%	1.70%	1.48%
	Female	2007	1.71%	1.76%	1.65%	1.45%
Race	Unknown	2007	2.54%	2.54%	1.80%	1.98%
	White	2007	1.72%	1.78%	1.69%	1.47%
	Black	2007	1.91%	1.91%	1.71%	1.53%
	Other	2007	1.26%	1.17%	1.13%	1.00%
	Asian	2007	1.00%	0.97%	0.89%	0.85%

Breakdown	Category	Year	Incidence of Foot Ulcer in Enrolled Diabetic Population			
			Q1	Q2	Q3	Q4
	Hispanic	2007	1.94%	1.92%	1.87%	1.57%
	American Indian/Alaska Native	2007	2.08%	2.07%	1.93%	1.55%
Total	All	2008	1.70%	1.78%	1.70%	1.43%
Age [†]	Disabled/end stage renal disease (under 65)	2008	1.91%	2.09%	2.07%	1.61%
	65 and over	2008	1.66%	1.72%	1.63%	1.40%
	Under 45	2008	1.73%	1.96%	1.96%	1.46%
	45 to 54	2008	1.95%	2.13%	2.15%	1.61%
	55 to 64	2008	1.94%	2.10%	2.05%	1.65%
	65 to 74	2008	1.28%	1.37%	1.32%	1.10%
	75 to 84	2008	1.70%	1.78%	1.69%	1.49%
	85 to 94	2008	2.57%	2.59%	2.42%	2.14%
	95 and over	2008	3.57%	3.63%	3.13%	2.89%
Gender	Unknown	2008	*	*	*	*
	Male	2008	1.74%	1.81%	1.73%	1.46%
	Female	2008	1.67%	1.75%	1.67%	1.42%
Race	Unknown	2008	1.92%	2.35%	2.04%	1.40%
	White	2008	1.70%	1.79%	1.71%	1.45%
	Black	2008	1.83%	1.88%	1.75%	1.49%
	Other	2008	1.21%	1.14%	1.16%	0.99%
	Asian	2008	0.96%	0.98%	0.93%	0.81%
	Hispanic	2008	1.84%	1.97%	1.89%	1.53%
	American Indian/Alaska Native	2008	1.95%	1.99%	2.07%	1.66%

Quarterly Incidence of Lower Extremity Amputation (LEA) Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries, 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Incidence of LEA in Enrolled Diabetic Population			
			Q1	Q2	Q3	Q4
Total	All	2006	0.18%	0.14%	0.12%	0.12%
Age	Disabled/end stage renal disease (under 65)	2006	0.31%	0.23%	0.21%	0.19%
	65 and over	2006	0.16%	0.12%	0.11%	0.10%
	Under 45	2006	0.23%	0.17%	0.16%	0.16%
	45 to 54	2006	0.33%	0.24%	0.21%	0.20%
	55 to 64	2006	0.32%	0.24%	0.21%	0.20%
	65 to 74	2006	0.15%	0.11%	0.10%	0.09%
	75 to 84	2006	0.16%	0.13%	0.11%	0.11%
	85 to 94	2006	0.19%	0.16%	0.13%	0.14%
Gender	95 and over	2006	0.18%	0.15%	0.12%	0.18%
	Unknown	2006	*	*	*	*
	Male	2006	0.23%	0.18%	0.16%	0.15%
Race	Female	2006	0.14%	0.11%	0.09%	0.09%
	Unknown	2006	0.17%	0.24%	*	*
	White	2006	0.16%	0.12%	0.11%	0.10%
	Black	2006	0.33%	0.25%	0.21%	0.21%
	Other	2006	0.16%	0.12%	0.09%	0.09%
	Asian	2006	0.08%	0.06%	0.05%	0.06%
	Hispanic	2006	0.24%	0.17%	0.13%	0.14%
American Indian/Alaska Native	2006	0.37%	0.24%	0.24%	0.22%	
Total	All	2007	0.14%	0.14%	0.12%	0.11%
Age	Disabled/end stage renal disease (under 65)	2007	0.22%	0.22%	0.20%	0.19%
	65 and over	2007	0.12%	0.12%	0.11%	0.10%
	Under 45	2007	0.17%	0.16%	0.16%	0.14%
	45 to 54	2007	0.21%	0.21%	0.20%	0.20%
	55 to 64	2007	0.23%	0.24%	0.21%	0.19%
	65 to 74	2007	0.11%	0.11%	0.10%	0.09%
	75 to 84	2007	0.12%	0.12%	0.10%	0.10%
	85 to 94	2007	0.16%	0.15%	0.14%	0.13%
Gender	95 and over	2007	0.16%	0.17%	0.12%	0.13%
	Unknown	2007	*	*	*	*
	Male	2007	0.17%	0.17%	0.16%	0.14%
Race	Female	2007	0.11%	0.10%	0.09%	0.09%
	Unknown	2007	0.22%	*	*	*
	White	2007	0.12%	0.12%	0.11%	0.10%
	Black	2007	0.24%	0.23%	0.21%	0.19%
	Other	2007	0.11%	0.12%	0.10%	0.08%
Asian	2007	0.06%	0.06%	0.06%	0.05%	

Breakdown	Category	Year	Incidence of LEA in Enrolled Diabetic Population			
			Q1	Q2	Q3	Q4
	Hispanic	2007	0.17%	0.15%	0.14%	0.14%
	American Indian/Alaska Native	2007	0.27%	0.22%	0.23%	0.21%
Total	All	2008	0.13%	0.13%	0.12%	0.12%
Age	Disabled/end stage renal disease (under 65)	2008	0.21%	0.21%	0.21%	0.20%
	65 and over	2008	0.11%	0.11%	0.11%	0.10%
	Under 45	2008	0.15%	0.16%	0.15%	0.15%
	45 to 54	2008	0.20%	0.22%	0.22%	0.20%
	55 to 64	2008	0.22%	0.22%	0.21%	0.22%
	65 to 74	2008	0.10%	0.10%	0.10%	0.09%
	75 to 84	2008	0.11%	0.11%	0.11%	0.10%
	85 to 94	2008	0.14%	0.14%	0.13%	0.12%
	95 and over	2008	0.15%	0.15%	0.15%	0.12%
Gender	Unknown	2008	*	*	*	*
	Male	2008	0.17%	0.16%	0.16%	0.15%
	Female	2008	0.10%	0.10%	0.09%	0.09%
Race	Unknown	2008	0.16%	*	0.14%	*
	White	2008	0.11%	0.11%	0.11%	0.11%
	Black	2008	0.22%	0.21%	0.20%	0.19%
	Other	2008	0.12%	0.10%	0.09%	0.10%
	Asian	2008	0.05%	0.06%	0.05%	0.05%
	Hispanic	2008	0.17%	0.16%	0.14%	0.13%
	American Indian/Alaska Native	2008	0.22%	0.22%	0.23%	0.19%

Monthly Incidence of Foot Ulcer Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries, 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Incidence of Foot Ulcer in Enrolled Diabetic Population											
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Total	All	2006	0.64%	0.58%	0.67%	0.60%	0.66%	0.66%	0.61%	0.65%	0.55%	0.55%	0.51%	0.50%
Age	Disabled/end stage renal disease (under 65)	2006	0.72%	0.66%	0.76%	0.70%	0.78%	0.80%	0.76%	0.82%	0.65%	0.64%	0.56%	0.54%
	65 and over	2006	0.62%	0.56%	0.65%	0.58%	0.64%	0.63%	0.59%	0.62%	0.53%	0.54%	0.50%	0.49%
	Under 45	2006	0.64%	0.57%	0.69%	0.65%	0.73%	0.77%	0.74%	0.78%	0.63%	0.57%	0.48%	0.46%
	45 to 54	2006	0.73%	0.68%	0.78%	0.71%	0.80%	0.83%	0.79%	0.85%	0.67%	0.65%	0.57%	0.55%
	55 to 64	2006	0.73%	0.66%	0.77%	0.70%	0.78%	0.80%	0.74%	0.81%	0.65%	0.65%	0.58%	0.56%
	65 to 74	2006	0.48%	0.44%	0.50%	0.46%	0.50%	0.52%	0.48%	0.51%	0.42%	0.43%	0.39%	0.37%
	75 to 84	2006	0.64%	0.59%	0.68%	0.61%	0.66%	0.66%	0.61%	0.64%	0.56%	0.57%	0.54%	0.53%
	85 to 94	2006	0.96%	0.86%	1.03%	0.91%	0.99%	0.95%	0.87%	0.91%	0.79%	0.82%	0.79%	0.78%
	95 and over	2006	1.32%	1.30%	1.43%	1.18%	1.35%	1.25%	1.19%	1.19%	1.11%	1.21%	1.20%	1.10%
Gender	Unknown	2006	*	*	*	*	*	*	*	*	*	*	*	*
	Male	2006	0.65%	0.59%	0.69%	0.61%	0.67%	0.67%	0.63%	0.65%	0.56%	0.57%	0.52%	0.50%
	Female	2006	0.63%	0.56%	0.66%	0.60%	0.65%	0.65%	0.60%	0.64%	0.54%	0.54%	0.51%	0.49%
Race	Unknown	2006	0.78%	0.69%	0.79%	0.75%	0.95%	0.84%	0.75%	0.79%	0.72%	0.86%	0.63%	0.57%
	White	2006	0.63%	0.57%	0.66%	0.60%	0.65%	0.66%	0.61%	0.65%	0.55%	0.55%	0.51%	0.50%
	Black	2006	0.69%	0.64%	0.75%	0.67%	0.71%	0.70%	0.63%	0.68%	0.57%	0.59%	0.54%	0.53%
	Other	2006	0.46%	0.40%	0.48%	0.44%	0.47%	0.49%	0.44%	0.47%	0.38%	0.37%	0.37%	0.32%
	Asian	2006	0.36%	0.33%	0.38%	0.35%	0.39%	0.37%	0.35%	0.35%	0.33%	0.30%	0.31%	0.34%
	Hispanic	2006	0.70%	0.70%	0.74%	0.65%	0.79%	0.77%	0.70%	0.75%	0.64%	0.65%	0.55%	0.53%
	American Indian/Alaska Native	2006	0.71%	0.71%	0.75%	0.65%	0.73%	0.77%	0.72%	0.76%	0.55%	0.61%	0.57%	0.60%
Total	All	2007	0.63%	0.57%	0.66%	0.61%	0.66%	0.63%	0.64%	0.63%	0.53%	0.58%	0.51%	0.47%
Age	Disabled/end stage renal disease (under 65)	2007	0.73%	0.63%	0.76%	0.71%	0.79%	0.77%	0.78%	0.77%	0.65%	0.66%	0.57%	0.51%
	65 and over	2007	0.61%	0.56%	0.64%	0.59%	0.63%	0.61%	0.61%	0.60%	0.51%	0.56%	0.49%	0.47%
	Under 45	2007	0.66%	0.55%	0.66%	0.66%	0.70%	0.72%	0.76%	0.75%	0.60%	0.61%	0.51%	0.47%
	45 to 54	2007	0.72%	0.62%	0.77%	0.72%	0.82%	0.79%	0.80%	0.79%	0.65%	0.66%	0.58%	0.52%
	55 to 64	2007	0.75%	0.66%	0.78%	0.72%	0.80%	0.77%	0.78%	0.76%	0.66%	0.68%	0.57%	0.52%
	65 to 74	2007	0.47%	0.43%	0.49%	0.46%	0.50%	0.50%	0.50%	0.49%	0.42%	0.45%	0.39%	0.36%
	75 to 84	2007	0.63%	0.57%	0.67%	0.61%	0.66%	0.62%	0.64%	0.63%	0.53%	0.59%	0.52%	0.49%
	85 to 94	2007	0.96%	0.87%	0.99%	0.91%	0.95%	0.90%	0.88%	0.89%	0.76%	0.87%	0.76%	0.75%
	95 and over	2007	1.26%	1.24%	1.38%	1.22%	1.32%	1.22%	1.20%	1.26%	1.09%	1.19%	1.17%	1.02%
Gender	Unknown	2007	*	*	*	*	*	*	*	*	*	*	*	*
	Male	2007	0.64%	0.58%	0.67%	0.62%	0.66%	0.65%	0.65%	0.64%	0.54%	0.59%	0.51%	0.48%

Breakdown	Category	Year	Incidence of Foot Ulcer in Enrolled Diabetic Population											
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Race	Female	2007	0.62%	0.56%	0.65%	0.60%	0.65%	0.62%	0.62%	0.62%	0.53%	0.57%	0.50%	0.47%
	Unknown	2007	0.80%	0.92%	0.98%	0.90%	0.89%	0.91%	0.69%	0.61%	0.64%	0.64%	0.68%	0.81%
	White	2007	0.63%	0.57%	0.65%	0.61%	0.66%	0.63%	0.64%	0.64%	0.54%	0.58%	0.51%	0.47%
	Black	2007	0.69%	0.62%	0.72%	0.66%	0.70%	0.66%	0.65%	0.64%	0.55%	0.60%	0.53%	0.50%
	Other	2007	0.44%	0.40%	0.51%	0.39%	0.43%	0.42%	0.45%	0.43%	0.34%	0.37%	0.35%	0.34%
	Asian	2007	0.38%	0.33%	0.36%	0.31%	0.37%	0.35%	0.34%	0.30%	0.30%	0.34%	0.29%	0.28%
	Hispanic	2007	0.71%	0.68%	0.71%	0.68%	0.71%	0.68%	0.72%	0.72%	0.58%	0.63%	0.54%	0.51%
	American Indian/Alaska Native	2007	0.80%	0.64%	0.76%	0.71%	0.73%	0.77%	0.72%	0.70%	0.62%	0.59%	0.55%	0.49%
Total	All	2008	0.63%	0.58%	0.61%	0.64%	0.62%	0.63%	0.66%	0.59%	0.57%	0.56%	0.46%	0.51%
Age	Disabled/end stage renal disease (under 65)	2008	0.70%	0.67%	0.68%	0.72%	0.74%	0.77%	0.82%	0.72%	0.69%	0.65%	0.52%	0.54%
	65 and over	2008	0.62%	0.56%	0.59%	0.62%	0.60%	0.60%	0.63%	0.56%	0.55%	0.54%	0.45%	0.50%
	Under 45	2008	0.63%	0.61%	0.62%	0.66%	0.68%	0.74%	0.78%	0.70%	0.63%	0.61%	0.46%	0.49%
	45 to 54	2008	0.69%	0.70%	0.69%	0.72%	0.78%	0.77%	0.86%	0.73%	0.72%	0.65%	0.52%	0.55%
	55 to 64	2008	0.72%	0.67%	0.69%	0.74%	0.73%	0.77%	0.80%	0.72%	0.69%	0.65%	0.55%	0.56%
	65 to 74	2008	0.48%	0.44%	0.46%	0.49%	0.48%	0.49%	0.51%	0.46%	0.45%	0.43%	0.35%	0.39%
	75 to 84	2008	0.63%	0.58%	0.60%	0.65%	0.62%	0.62%	0.65%	0.58%	0.58%	0.57%	0.48%	0.53%
	85 to 94	2008	0.96%	0.87%	0.93%	0.95%	0.91%	0.91%	0.93%	0.84%	0.82%	0.83%	0.68%	0.78%
	95 and over	2008	1.29%	1.31%	1.32%	1.35%	1.31%	1.29%	1.25%	1.12%	1.04%	1.09%	0.96%	1.11%
Gender	Unknown	2008	*	*	*	*	*	*	*	*	*	*	*	*
	Male	2008	0.65%	0.60%	0.62%	0.65%	0.64%	0.64%	0.67%	0.60%	0.58%	0.57%	0.47%	0.51%
	Female	2008	0.62%	0.57%	0.60%	0.63%	0.61%	0.62%	0.64%	0.58%	0.57%	0.55%	0.45%	0.50%
Race	Unknown	2008	0.71%	0.66%	0.71%	0.94%	0.79%	0.79%	0.80%	0.63%	0.73%	0.52%	0.49%	0.53%
	White	2008	0.63%	0.58%	0.61%	0.64%	0.63%	0.63%	0.66%	0.59%	0.58%	0.56%	0.47%	0.51%
	Black	2008	0.67%	0.64%	0.65%	0.68%	0.66%	0.65%	0.68%	0.61%	0.58%	0.57%	0.47%	0.54%
	Other	2008	0.45%	0.43%	0.40%	0.40%	0.40%	0.42%	0.46%	0.40%	0.39%	0.37%	0.32%	0.37%
	Asian	2008	0.36%	0.33%	0.33%	0.36%	0.33%	0.35%	0.31%	0.34%	0.34%	0.33%	0.24%	0.29%
	Hispanic	2008	0.67%	0.66%	0.67%	0.72%	0.71%	0.68%	0.73%	0.65%	0.67%	0.61%	0.50%	0.52%
	American Indian/Alaska Native	2008	0.80%	0.62%	0.63%	0.68%	0.69%	0.72%	0.82%	0.68%	0.68%	0.67%	0.52%	0.56%

Breakdown	Category	Year	Incidence of LEA In Enrolled Diabetic Population											
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	Male	2007	0.06%	0.05%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.05%	0.05%	0.05%	0.05%
	Female	2007	0.04%	0.03%	0.04%	0.04%	0.04%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
Race	Unknown	2007	*	*	*	*	*	*	*	*	*	*	*	*
	White	2007	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.03%	0.04%	0.04%	0.03%
	Black	2007	0.09%	0.08%	0.09%	0.08%	0.09%	0.08%	0.08%	0.08%	0.06%	0.07%	0.06%	0.06%
	Other	2007	0.03%	0.05%	0.04%	0.04%	0.05%	0.04%	0.03%	0.04%	0.04%	0.03%	0.02%	0.03%
	Asian	2007	0.02%	0.02%	0.03%	0.02%	0.02%	0.02%	0.03%	0.02%	0.02%	0.02%	0.02%	0.02%
	Hispanic	2007	0.06%	0.05%	0.06%	0.06%	0.05%	0.06%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%
	American Indian/Alaska Native	2007	0.10%	0.07%	0.11%	0.07%	0.08%	0.08%	0.09%	0.08%	0.07%	0.08%	0.08%	0.06%
Total	All	2008	0.05%	0.04%	0.04%	0.04%	0.05%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%
Age	Disabled/end stage renal disease (under 65)	2008	0.08%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.08%	0.07%	0.07%	0.07%	0.07%
	65 and over	2008	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.03%	0.04%
	Under 45	2008	0.06%	0.05%	0.06%	0.06%	0.05%	0.06%	0.05%	0.06%	0.05%	0.05%	0.05%	0.06%
	45 to 54	2008	0.08%	0.07%	0.07%	0.08%	0.07%	0.07%	0.08%	0.08%	0.07%	0.07%	0.06%	0.08%
	55 to 64	2008	0.08%	0.07%	0.07%	0.07%	0.08%	0.07%	0.08%	0.07%	0.07%	0.08%	0.07%	0.07%
	65 to 74	2008	0.04%	0.03%	0.04%	0.03%	0.04%	0.03%	0.04%	0.03%	0.03%	0.03%	0.03%	0.03%
	75 to 84	2008	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.03%	0.04%
	85 to 94	2008	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.04%	0.05%	0.04%	0.04%
	95 and over	2008	0.05%	0.05%	0.06%	0.06%	0.07%	0.04%	0.05%	0.06%	0.06%	0.05%	0.03%	0.05%
Gender	Unknown	2008	*	*	*	*	*	*	*	*	*	*	*	*
	Male	2008	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.05%	0.06%	0.05%	0.05%
	Female	2008	0.04%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
Race	Unknown	2008	*	*	*	*	*	*	*	*	*	*	*	*
	White	2008	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.03%	0.04%
	Black	2008	0.08%	0.07%	0.07%	0.07%	0.08%	0.07%	0.08%	0.07%	0.07%	0.07%	0.06%	0.07%
	Other	2008	0.05%	0.04%	0.04%	0.03%	0.03%	0.04%	0.03%	0.03%	0.02%	0.04%	0.02%	0.04%
	Asian	2008	0.02%	0.02%	0.02%	0.02%	0.03%	0.02%	0.02%	0.02%	0.02%	0.02%	0.01%	0.02%
	Hispanic	2008	0.07%	0.06%	0.06%	0.06%	0.05%	0.06%	0.05%	0.05%	0.05%	0.05%	0.04%	0.05%
	American Indian/Alaska Native	2008	0.07%	0.09%	0.07%	0.07%	0.07%	0.09%	0.08%	0.08%	0.07%	0.06%	0.05%	0.09%

Annual Incidence of Lower Extremity Amputation (LEA) Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries With Prevalent Foot Ulcer, 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment and continuous FFS enrollment throughout the year.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Incidence of LEA	
			Rate of Incident LEA Among Enrolled Diabetic Population With Foot Ulcer	
Total	All	2006	5.3%	
Age	Disabled/end stage renal disease (under 65)	2006	7.3%	
	65 and over	2006	4.8%	
	Under 45	2006	6.3%	
	45 to 54	2006	7.4%	
	55 to 64	2006	7.5%	
	65 to 74	2006	5.5%	
	75 to 84	2006	4.6%	
	85 to 94	2006	3.9%	
Gender	95 and over	2006	2.8%	
	Unknown	2006	*	
	Male	2006	6.6%	
Race	Female	2006	4.1%	
	Unknown	2006	4.7%	
	White	2006	4.6%	
	Black	2006	8.3%	
	Other	2006	6.6%	
	Asian	2006	4.5%	
	Hispanic	2006	5.9%	
Total	American Indian/Alaska Native	2006	8.1%	
	All	2007	5.0%	
	Age	Disabled/end stage renal disease (under 65)	2007	6.8%
		65 and over	2007	4.5%
		Under 45	2007	5.8%
		45 to 54	2007	6.7%
		55 to 64	2007	7.1%
		65 to 74	2007	5.2%
75 to 84		2007	4.3%	
85 to 94		2007	3.8%	
Gender	95 and over	2007	2.7%	
	Unknown	2007	*	
	Male	2007	6.2%	
Race	Female	2007	3.9%	
	Unknown	2007	3.9%	
	White	2007	4.4%	
	Black	2007	7.8%	
Total	Other	2007	6.1%	

Breakdown	Category	Year	Incidence of LEA
			Rate of Incident LEA Among Enrolled Diabetic Population With Foot Ulcer
	Asian	2007	4.2%
	Hispanic	2007	5.5%
	American Indian/Alaska Native	2007	8.1%
Total	All	2008	4.9%
Age	Disabled/end stage renal disease (under 65)	2008	6.8%
	65 and over	2008	4.4%
	Under 45	2008	5.4%
	45 to 54	2008	6.8%
	55 to 64	2008	7.1%
	65 to 74	2008	5.2%
	75 to 84	2008	4.2%
	85 to 94	2008	3.5%
	95 and over	2008	2.6%
Gender	Unknown	2008	*
	Male	2008	6.2%
	Female	2008	3.7%
Race	Unknown	2008	4.1%
	White	2008	4.3%
	Black	2008	7.5%
	Other	2008	5.7%
	Asian	2008	3.9%
	Hispanic	2008	5.8%
	American Indian/Alaska Native	2008	7.3%

Mortality Rates in Diabetic Medicare Parts A and B Fee-for-Service (FFS) Population, Diabetic Foot Ulcer (DFU) Prevalent Population, and DFU Incident Population, 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment and continuous FFS enrollment throughout the year.

Mortality rate equals number of beneficiaries who died in given year, divided by the total population.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Mortality Rate		
			In Enrolled Diabetic Population	In DFU Prevalent Population	In DFU Incident Population
Total	All	2006	6.1%	12.7%	11.1%
Age	Disabled/end stage renal disease (under 65)	2006	2.3%	5.2%	4.1%
	65 and over	2006	3.3%	7.1%	5.4%
	Under 45	2006	4.4%	9.2%	7.6%
	45 to 54	2006	3.8%	8.1%	6.4%
	55 to 64	2006	3.5%	9.0%	7.6%
	65 to 74	2006	6.9%	13.6%	12.0%
	75 to 84	2006	14.6%	21.2%	19.0%
	85 to 94	2006	28.2%	32.4%	29.7%
	95 and over	2006	6.6%	13.8%	12.2%
Gender	Unknown	2006	*	*	*
	Male	2006	6.4%	13.3%	11.7%
	Female	2006	5.9%	12.3%	10.7%
Race	Unknown	2006	10.1%	18.8%	16.4%
	White	2006	6.2%	12.3%	10.8%
	Black	2006	6.3%	15.0%	13.3%
	Other	2006	4.1%	11.7%	10.1%
	Asian	2006	4.1%	10.8%	9.7%
	Hispanic	2006	5.6%	13.0%	11.3%
	American Indian/Alaska Native	2006	5.7%	11.1%	9.7%
Total	All	2007	6.0%	12.4%	10.9%
Age	Disabled/end stage renal disease (under 65)	2007	2.2%	4.9%	3.8%
	65 and over	2007	3.2%	6.8%	5.4%
	Under 45	2007	4.3%	8.9%	7.3%
	45 to 54	2007	3.6%	7.7%	6.2%
	55 to 64	2007	3.4%	8.8%	7.4%
	65 to 74	2007	6.7%	13.2%	11.6%
	75 to 84	2007	14.3%	20.7%	18.8%
	85 to 94	2007	27.6%	31.0%	28.5%
	95 and over	2007	6.5%	13.6%	12.0%
Gender	Unknown	2007	*	*	*
	Male	2007	6.3%	12.9%	11.4%
	Female	2007	5.8%	12.0%	10.5%
Race	Unknown	2007	9.9%	17.9%	15.8%
	White	2007	6.1%	12.0%	10.5%

Breakdown	Category	Year	Mortality Rate		
			In Enrolled Diabetic Population	In DFU Prevalent Population	In DFU Incident Population
	Black	2007	6.2%	14.8%	13.3%
	Other	2007	3.9%	11.3%	10.2%
	Asian	2007	4.0%	11.4%	10.0%
	Hispanic	2007	5.3%	12.4%	10.7%
	American Indian/Alaska Native	2007	5.8%	12.3%	10.7%
Total	All	2008	6.1%	12.3%	10.7%
Age	Disabled/end stage renal disease (under 65)	2008	2.2%	4.8%	3.5%
	65 and over	2008	3.1%	6.4%	4.9%
	Under 45	2008	4.3%	8.8%	7.1%
	45 to 54	2008	3.6%	7.6%	6.0%
	55 to 64	2008	3.4%	8.7%	7.2%
	65 to 74	2008	6.7%	13.1%	11.5%
	75 to 84	2008	14.4%	20.7%	18.6%
	85 to 94	2008	28.0%	30.9%	28.1%
95 and over	2008	6.6%	13.5%	11.8%	
Gender	Unknown	2008	*	*	*
	Male	2008	6.3%	12.8%	11.2%
	Female	2008	5.9%	11.9%	10.3%
Race	Unknown	2008	8.5%	15.8%	14.6%
	White	2008	6.2%	12.0%	10.4%
	Black	2008	6.1%	14.3%	12.8%
	Other	2008	3.8%	10.6%	9.2%
	Asian	2008	4.1%	11.9%	10.3%
	Hispanic	2008	5.4%	12.5%	10.6%
	American Indian/Alaska Native	2008	5.8%	11.2%	9.3%

Mortality Rates in Diabetic Medicare Parts A and B Fee-for-Service (FFS) Population, Lower Extremity Amputation (LEA) Prevalent Population, and LEA Incident Population, 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment and continuous FFS enrollment throughout the year.

Mortality rate equals number of beneficiaries who died in given year, divided by the total population.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Mortality Rate		
			In Enrolled Diabetic Population	In LEA Prevalent Population	In LEA Incident Population
Total	All	2006	6.1%	18.2%	23.1%
Age	Disabled/end stage renal disease (under 65)	2006	2.3%	9.3%	12.7%
	65 and over	2006	3.3%	11.1%	12.1%
	Under 45	2006	4.4%	14.1%	18.0%
	45 to 54	2006	3.8%	12.7%	15.6%
	55 to 64	2006	3.5%	15.7%	19.4%
	65 to 74	2006	6.9%	21.5%	26.5%
	75 to 84	2006	14.6%	30.8%	37.1%
	85 to 94	2006	28.2%	43.1%	52.2%
Gender	95 and over	2006	6.6%	20.5%	25.7%
	Unknown	2006	*	*	*
	Male	2006	6.4%	17.4%	21.7%
Race	Female	2006	5.9%	19.4%	25.0%
	Unknown	2006	10.1%	25.2%	30.2%
	White	2006	6.2%	17.7%	22.1%
	Black	2006	6.3%	19.6%	25.7%
	Other	2006	4.1%	17.9%	26.9%
	Asian	2006	4.1%	18.4%	24.0%
	Hispanic	2006	5.6%	18.4%	25.2%
Total	American Indian/Alaska Native	2006	5.7%	15.8%	20.8%
	All	2007	6.0%	17.5%	21.8%
Age	Disabled/end stage renal disease (under 65)	2007	2.2%	9.0%	8.7%
	65 and over	2007	3.2%	10.5%	11.4%
	Under 45	2007	4.3%	13.4%	15.3%
	45 to 54	2007	3.6%	12.0%	13.4%
	55 to 64	2007	3.4%	15.2%	17.8%
	65 to 74	2007	6.7%	21.2%	26.1%
	75 to 84	2007	14.3%	28.9%	35.7%
	85 to 94	2007	27.6%	42.1%	46.4%
Gender	95 and over	2007	6.5%	19.9%	24.6%
	Unknown	2007	*	*	*
	Male	2007	6.3%	16.7%	20.6%
Race	Female	2007	5.8%	18.7%	23.4%
	Unknown	2007	9.9%	19.6%	20.5%
Race	White	2007	6.1%	17.0%	20.8%

Breakdown	Category	Year	Mortality Rate		
			In Enrolled Diabetic Population	In LEA Prevalent Population	In LEA Incident Population
	Black	2007	6.2%	19.1%	24.9%
	Other	2007	3.9%	17.3%	19.9%
	Asian	2007	4.0%	17.9%	26.7%
	Hispanic	2007	5.3%	15.9%	21.2%
	American Indian/Alaska Native	2007	5.8%	15.8%	22.0%
Total	All	2008	6.1%	17.0%	20.6%
Age	Disabled/end stage renal disease (under 65)	2008	2.2%	8.4%	10.1%
	65 and over	2008	3.1%	9.7%	10.4%
	Under 45	2008	4.3%	13.0%	14.0%
	45 to 54	2008	3.6%	11.5%	12.5%
	55 to 64	2008	3.4%	14.8%	17.3%
	65 to 74	2008	6.7%	20.7%	24.7%
	75 to 84	2008	14.4%	29.2%	34.1%
	85 to 94	2008	28.0%	39.7%	48.2%
	95 and over	2008	6.6%	19.5%	23.5%
Gender	Unknown	2008	*	*	*
	Male	2008	6.3%	16.4%	19.8%
	Female	2008	5.9%	17.8%	21.7%
Race	Unknown	2008	8.5%	21.0%	31.7%
	White	2008	6.2%	16.5%	19.7%
	Black	2008	6.1%	18.6%	23.6%
	Other	2008	3.8%	15.0%	16.6%
	Asian	2008	4.1%	19.0%	21.6%
	Hispanic	2008	5.4%	16.1%	23.4%
	American Indian/Alaska Native	2008	5.8%	14.0%	13.5%

Annual Prevalence of Osteomyelitis Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries With and Without Foot Ulcer, 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment and continuous FFS enrollment throughout the year.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Prevalence of Osteomyelitis		
			Rate of Osteomyelitis Among Enrolled Diabetic Beneficiaries With DFU	Rate of Osteomyelitis Among Enrolled Diabetic Beneficiaries Without DFU	
Total	All	2006	13.2%	0.2%	
Age	Disabled/end stage renal disease (under 65)	2006	19.5%	0.2%	
	65 and over	2006	11.8%	0.2%	
	Under 45	2006	19.6%	0.2%	
	45 to 54	2006	20.5%	0.2%	
	55 to 64	2006	19.0%	0.3%	
	65 to 74	2006	14.1%	0.1%	
	75 to 84	2006	11.2%	0.2%	
	85 to 94	2006	9.2%	0.2%	
Gender	95 and over	2006	7.6%	0.2%	
	Unknown	2006	*	*	
	Male	2006	15.8%	0.2%	
Race	Female	2006	11.0%	0.2%	
	Unknown	2006	12.3%	0.2%	
	White	2006	12.5%	0.2%	
	Black	2006	16.7%	0.2%	
	Other	2006	15.9%	0.1%	
	Asian	2006	11.1%	0.1%	
	Hispanic	2006	14.8%	0.2%	
Total	American Indian/Alaska Native	2006	17.7%	0.2%	
	All	2007	13.2%	0.2%	
	Age	Disabled/end stage renal disease (under 65)	2007	19.7%	0.2%
		65 and over	2007	11.6%	0.2%
		Under 45	2007	19.9%	0.2%
		45 to 54	2007	20.7%	0.2%
		55 to 64	2007	19.1%	0.3%
		65 to 74	2007	13.8%	0.1%
		75 to 84	2007	11.1%	0.2%
		85 to 94	2007	9.1%	0.2%
	Gender	95 and over	2007	7.5%	0.2%
		Unknown	2007	*	*
		Male	2007	15.8%	0.2%
	Race	Female	2007	10.9%	0.2%
Unknown		2007	11.7%	0.2%	
Total	White	2007	12.4%	0.2%	

Breakdown	Category	Year	Prevalence of Osteomyelitis	
			Rate of Osteomyelitis Among Enrolled Diabetic Beneficiaries With DFU	Rate of Osteomyelitis Among Enrolled Diabetic Beneficiaries Without DFU
	Black	2007	16.7%	0.2%
	Other	2007	15.6%	0.1%
	Asian	2007	11.9%	0.1%
	Hispanic	2007	14.8%	0.2%
	American Indian/Alaska Native	2007	17.7%	0.2%
Total	All	2008	13.6%	0.2%
Age	Disabled/end stage renal disease (under 65)	2008	20.2%	0.2%
	65 and over	2008	12.0%	0.2%
	Under 45	2008	20.3%	0.2%
	45 to 54	2008	21.2%	0.2%
	55 to 64	2008	19.7%	0.3%
	65 to 74	2008	14.4%	0.1%
	75 to 84	2008	11.4%	0.2%
	85 to 94	2008	9.3%	0.2%
	95 and over	2008	7.0%	0.2%
Gender	Unknown	2008	*	*
	Male	2008	16.2%	0.2%
	Female	2008	11.3%	0.2%
Race	Unknown	2008	13.0%	0.2%
	White	2008	12.8%	0.2%
	Black	2008	17.5%	0.2%
	Other	2008	15.9%	0.1%
	Asian	2008	11.3%	0.1%
	Hispanic	2008	15.9%	0.2%
	American Indian/Alaska Native	2008	17.5%	0.2%

Annual Prevalence of Micro- and Macrovascular Complications Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries With and Without Diabetic Foot Ulcer (DFU), 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment and continuous FFS enrollment throughout the year.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Prevalence of Microvascular Complications			Prevalence of Macrovascular Complications		
			Rate of Microvascular Complications With DFU Among Enrolled Diabetic Beneficiaries	Rate of Microvascular Complications With DFU Among Enrolled Diabetic Beneficiaries With DFU	Rate of Microvascular Complications Among Enrolled Diabetic Beneficiaries Without DFU	Rate of Macrovascular Complications With DFU Among Enrolled Diabetic Beneficiaries	Rate of Macrovascular Complications With DFU Among Enrolled Diabetic Beneficiaries With DFU	Rate of Macrovascular Complications Among Enrolled Diabetic Beneficiaries Without DFU
Total	All	2006	3.7%	45.8%	21.2%	5.3%	65.9%	37.6%
Age	Disabled/end stage renal disease (under 65)	2006	5.8%	58.5%	24.7%	5.9%	58.8%	31.5%
	65 and over	2006	3.3%	42.8%	20.6%	5.2%	67.6%	38.7%
	Under 45	2006	4.7%	52.4%	20.8%	3.9%	43.2%	18.6%
	45 to 54	2006	5.9%	57.5%	23.7%	5.6%	54.8%	28.1%
	55 to 64	2006	6.1%	60.4%	26.2%	6.5%	64.6%	36.7%
	65 to 74	2006	3.1%	51.1%	20.9%	3.8%	61.4%	30.3%
	75 to 84	2006	3.4%	42.7%	21.4%	5.6%	68.9%	42.4%
	85 to 94	2006	3.5%	30.6%	18.1%	8.6%	74.8%	55.8%
	95 and over	2006	2.8%	18.4%	11.4%	11.9%	77.4%	65.6%
Gender	Unknown	2006	*	*	*	*	*	*
	Male	2006	4.1%	49.5%	21.0%	5.5%	66.7%	37.2%
	Female	2006	3.4%	42.7%	21.4%	5.2%	65.2%	38.0%
Race	Unknown	2006	4.3%	40.0%	20.3%	7.5%	70.8%	44.5%
	White	2006	3.6%	44.7%	20.2%	5.2%	64.7%	37.2%
	Black	2006	4.4%	49.4%	25.9%	6.4%	71.8%	40.8%
	Other	2006	2.9%	51.6%	21.5%	3.7%	65.4%	30.5%
	Asian	2006	2.0%	45.4%	20.3%	2.8%	64.0%	32.9%
	Hispanic	2006	4.6%	52.4%	27.2%	6.2%	70.8%	41.3%
	American Indian/Alaska Native	2006	6.1%	62.6%	29.6%	5.7%	58.6%	31.8%
Total	All	2007	3.8%	46.7%	21.9%	5.3%	65.4%	37.1%

Breakdown	Category	Year	Prevalence of Microvascular Complications			Prevalence of Macrovascular Complications		
			Rate of Microvascular Complications With DFU Among Enrolled Diabetic Beneficiaries	Rate of Microvascular Complications With DFU Among Enrolled Diabetic Beneficiaries With DFU	Rate of Microvascular Complications Among Enrolled Diabetic Beneficiaries Without DFU	Rate of Macrovascular Complications With DFU Among Enrolled Diabetic Beneficiaries	Rate of Macrovascular Complications With DFU Among Enrolled Diabetic Beneficiaries With DFU	Rate of Macrovascular Complications Among Enrolled Diabetic Beneficiaries Without DFU
Age	Disabled/end stage renal disease (under 65)	2007	5.8%	58.6%	25.0%	5.8%	58.4%	31.1%
	65 and over	2007	3.4%	43.8%	21.4%	5.2%	67.1%	38.2%
	Under 45	2007	4.8%	52.4%	21.1%	3.9%	43.0%	18.6%
	45 to 54	2007	5.8%	57.2%	24.0%	5.5%	54.3%	27.9%
	55 to 64	2007	6.1%	60.8%	26.5%	6.5%	64.2%	36.0%
	65 to 74	2007	3.2%	52.0%	21.5%	3.7%	61.0%	29.7%
	75 to 84	2007	3.5%	43.6%	22.2%	5.5%	68.4%	41.8%
	85 to 94	2007	3.7%	32.2%	19.1%	8.5%	74.2%	55.1%
Gender	95 and over	2007	3.0%	19.9%	12.2%	11.6%	76.0%	65.0%
	Unknown	2007	*	*	*	*	*	*
	Male	2007	4.1%	50.3%	21.8%	5.4%	66.2%	36.7%
Race	Female	2007	3.4%	43.5%	22.1%	5.1%	64.7%	37.4%
	Unknown	2007	4.1%	39.0%	21.8%	6.8%	64.6%	43.8%
	White	2007	3.6%	45.4%	20.9%	5.1%	64.2%	36.7%
	Black	2007	4.5%	50.8%	26.8%	6.4%	71.7%	40.6%
	Other	2007	3.0%	52.8%	22.2%	3.6%	65.2%	30.0%
	Asian	2007	2.1%	47.5%	21.3%	2.8%	64.0%	32.6%
	Hispanic	2007	4.6%	54.0%	28.5%	6.1%	70.5%	41.1%
Total	American Indian/Alaska Native	2007	6.1%	63.0%	30.1%	5.8%	59.4%	32.1%
	All	2008	3.8%	47.6%	22.7%	5.2%	65.0%	36.7%
Age	Disabled/end stage renal disease (under 65)	2008	5.8%	59.1%	25.6%	5.7%	58.1%	30.7%
	65 and over	2008	3.4%	44.8%	22.2%	5.1%	66.7%	37.8%
	Under 45	2008	4.8%	52.6%	21.3%	3.8%	42.4%	18.5%
	45 to 54	2008	5.9%	58.3%	24.6%	5.5%	54.2%	27.6%
	55 to 64	2008	6.1%	61.2%	27.3%	6.3%	63.9%	35.6%

Breakdown	Category	Year	Prevalence of Microvascular Complications			Prevalence of Macrovascular Complications		
			Rate of Microvascular Complications With DFU Among Enrolled Diabetic Beneficiaries	Rate of Microvascular Complications With DFU Among Enrolled Diabetic Beneficiaries With DFU	Rate of Microvascular Complications Among Enrolled Diabetic Beneficiaries Without DFU	Rate of Macrovascular Complications With DFU Among Enrolled Diabetic Beneficiaries	Rate of Macrovascular Complications With DFU Among Enrolled Diabetic Beneficiaries With DFU	Rate of Macrovascular Complications Among Enrolled Diabetic Beneficiaries Without DFU
Breakdown	65 to 74	2008	3.2%	52.9%	22.1%	3.7%	60.5%	29.3%
	75 to 84	2008	3.5%	44.8%	23.2%	5.4%	68.0%	41.4%
	85 to 94	2008	3.8%	33.2%	20.3%	8.4%	73.9%	54.6%
	95 and over	2008	3.1%	20.8%	13.7%	11.4%	76.1%	64.1%
Gender	Unknown	2008	*	*	*	*	*	*
	Male	2008	4.2%	51.2%	22.6%	5.4%	65.8%	36.3%
	Female	2008	3.5%	44.4%	22.9%	5.0%	64.3%	37.0%
Race	Unknown	2008	3.9%	42.0%	22.1%	6.3%	67.2%	41.4%
	White	2008	3.7%	46.4%	21.7%	5.1%	63.7%	36.3%
	Black	2008	4.5%	52.1%	27.8%	6.3%	71.9%	40.4%
	Other	2008	2.8%	51.8%	22.9%	3.5%	63.6%	29.6%
	Asian	2008	2.0%	47.0%	22.2%	2.7%	64.2%	32.3%
	Hispanic	2008	4.7%	55.1%	29.5%	6.0%	70.5%	40.4%
	American Indian/Alaska Native	2008	6.0%	62.7%	30.3%	5.7%	59.5%	32.1%

Annual Prevalence of Micro- and Macrovascular Complications Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries With and Without Lower Extremity Amputation (LEA), 2006-2008, by Age, Gender, and Race

Algorithm 3: 12-month period of continuous enrollment and continuous FFS enrollment throughout the year.

Age is calculated as of December 31 of each year.

An asterisk (*) signifies small cell count (less than 11).

Breakdown	Category	Year	Prevalence of Microvascular Complications			Prevalence of Macrovascular Complications		
			Rate of Microvascular Complications With LEA Among Enrolled Diabetic Beneficiaries	Rate of Microvascular Complications With LEA Among Enrolled Diabetic Beneficiaries With LEA	Rate of Microvascular Complications Among Enrolled Diabetic Beneficiaries Without LEA	Rate of Macrovascular Complications With LEA Among Enrolled Diabetic Beneficiaries	Rate of Macrovascular Complications With LEA Among Enrolled Diabetic Beneficiaries With LEA	Rate of Macrovascular Complications Among Enrolled Diabetic Beneficiaries Without LEA
Total	All	2006	1.1%	58.7%	22.6%	1.4%	77.5%	39.2%
Age	Disabled/end stage renal disease (under 65)	2006	2.5%	69.8%	26.5%	2.6%	71.7%	32.9%
	65 and over	2006	0.8%	53.8%	21.9%	1.2%	80.0%	40.3%
	Under 45	2006	1.9%	71.9%	22.3%	1.6%	62.0%	19.7%
	45 to 54	2006	2.6%	70.8%	25.5%	2.5%	68.3%	29.4%
	55 to 64	2006	2.6%	69.0%	28.1%	2.8%	75.2%	38.1%
	65 to 74	2006	0.9%	61.9%	22.1%	1.1%	77.2%	31.5%
	75 to 84	2006	0.8%	51.8%	22.7%	1.2%	81.4%	43.9%
	85 to 94	2006	0.6%	37.5%	19.2%	1.4%	84.5%	57.6%
	95 and over	2006	0.4%	19.5%	12.4%	1.6%	83.5%	67.1%
Gender	Unknown	2006	*	*	*	*	*	*
	Male	2006	1.4%	59.7%	22.5%	1.8%	76.1%	38.7%
	Female	2006	0.8%	57.1%	22.6%	1.1%	79.6%	39.6%
Race	Unknown	2006	1.3%	56.2%	21.6%	1.9%	85.7%	46.4%
	White	2006	0.9%	58.6%	21.6%	1.2%	76.4%	38.8%
	Black	2006	2.0%	56.3%	27.0%	2.8%	80.1%	42.3%
	Other	2006	1.1%	66.0%	22.5%	1.2%	77.6%	31.8%
	Asian	2006	0.5%	62.4%	21.1%	0.6%	79.1%	34.0%
	Hispanic	2006	1.8%	66.7%	28.3%	2.1%	81.0%	42.8%
	American Indian/Alaska Native	2006	3.0%	73.9%	31.0%	2.8%	68.2%	33.0%
Total	All	2007	1.1%	60.0%	23.3%	1.4%	76.7%	38.7%

Breakdown	Category	Year	Prevalence of Microvascular Complications			Prevalence of Macrovascular Complications		
			Rate of Microvascular Complications With LEA Among Enrolled Diabetic Beneficiaries	Rate of Microvascular Complications With LEA Among Enrolled Diabetic Beneficiaries With LEA	Rate of Microvascular Complications Among Enrolled Diabetic Beneficiaries Without LEA	Rate of Macrovascular Complications With LEA Among Enrolled Diabetic Beneficiaries	Rate of Macrovascular Complications With LEA Among Enrolled Diabetic Beneficiaries With LEA	Rate of Macrovascular Complications Among Enrolled Diabetic Beneficiaries Without LEA
Age	Disabled/end stage renal disease (under 65)	2007	2.4%	70.7%	26.8%	2.4%	70.8%	32.5%
	65 and over	2007	0.8%	55.2%	22.6%	1.2%	79.4%	39.9%
	Under 45	2007	1.9%	72.1%	22.7%	1.6%	61.5%	19.7%
	45 to 54	2007	2.5%	71.5%	25.8%	2.4%	67.6%	29.3%
	55 to 64	2007	2.6%	70.1%	28.4%	2.7%	74.1%	37.5%
	65 to 74	2007	0.9%	63.0%	22.7%	1.1%	76.8%	31.0%
	75 to 84	2007	0.8%	53.5%	23.5%	1.2%	80.7%	43.4%
	85 to 94	2007	0.6%	39.1%	20.4%	1.3%	83.8%	56.9%
Gender	95 and over	2007	0.4%	23.6%	13.2%	1.4%	83.1%	66.4%
	Unknown	2007	*	*	*	*	*	*
	Male	2007	1.4%	61.0%	23.2%	1.8%	75.5%	38.3%
Race	Female	2007	0.8%	58.5%	23.3%	1.0%	78.7%	39.1%
	Unknown	2007	1.1%	59.5%	22.9%	1.5%	79.8%	45.3%
	White	2007	0.9%	59.8%	22.3%	1.1%	75.6%	38.3%
	Black	2007	2.0%	58.1%	27.9%	2.7%	79.7%	42.1%
	Other	2007	1.0%	68.3%	23.2%	1.2%	79.1%	31.3%
	Asian	2007	0.5%	64.5%	22.2%	0.5%	76.4%	33.7%
	Hispanic	2007	1.7%	67.1%	29.7%	2.0%	80.2%	42.7%
Total	American Indian/Alaska Native	2007	3.1%	76.1%	31.5%	2.8%	69.6%	33.3%
	All	2008	1.1%	61.3%	24.1%	1.3%	75.9%	38.3%
Age	Disabled/end stage renal disease (under 65)	2008	2.5%	71.4%	27.4%	2.4%	70.1%	32.1%
	65 and over	2008	0.8%	56.5%	23.5%	1.1%	78.7%	39.4%
	Under 45	2008	1.9%	72.7%	22.8%	1.5%	59.1%	19.6%
	45 to 54	2008	2.6%	72.0%	26.3%	2.4%	66.7%	28.9%
	55 to 64	2008	2.6%	70.8%	29.1%	2.7%	73.8%	37.1%

Breakdown	Category	Year	Prevalence of Microvascular Complications			Prevalence of Macrovascular Complications		
			Rate of Microvascular Complications With LEA Among Enrolled Diabetic Beneficiaries	Rate of Microvascular Complications With LEA Among Enrolled Diabetic Beneficiaries With LEA	Rate of Microvascular Complications Among Enrolled Diabetic Beneficiaries Without LEA	Rate of Macrovascular Complications With LEA Among Enrolled Diabetic Beneficiaries	Rate of Macrovascular Complications With LEA Among Enrolled Diabetic Beneficiaries With LEA	Rate of Macrovascular Complications Among Enrolled Diabetic Beneficiaries Without LEA
	65 to 74	2008	0.9%	64.4%	23.4%	1.1%	75.8%	30.5%
	75 to 84	2008	0.8%	54.2%	24.5%	1.1%	80.2%	43.0%
	85 to 94	2008	0.6%	41.5%	21.5%	1.3%	82.9%	56.4%
	95 and over	2008	0.4%	25.0%	14.6%	1.3%	83.4%	65.6%
Gender	Unknown	2008	*	*	*	*	*	*
	Male	2008	1.5%	62.4%	24.0%	1.7%	74.7%	37.9%
	Female	2008	0.8%	59.5%	24.1%	1.0%	77.8%	38.6%
Race	Unknown	2008	1.0%	51.5%	23.5%	1.5%	77.8%	43.2%
	White	2008	0.9%	60.8%	23.1%	1.1%	74.7%	37.9%
	Black	2008	2.0%	59.9%	28.9%	2.6%	79.5%	41.9%
	Other	2008	1.0%	69.8%	23.8%	1.1%	75.1%	30.8%
	Asian	2008	0.4%	65.0%	23.0%	0.5%	74.7%	33.4%
	Hispanic	2008	1.8%	69.4%	30.7%	2.0%	78.7%	42.0%
	American Indian/Alaska Native	2008	2.9%	76.9%	31.7%	2.6%	68.2%	33.4%