

Prevalence of Diabetes in Medicare Parts A and B Fee-for-Service Cohort Population (Millions), 2007

Algorithm	Period of Continuous Enrollment (Months)	Number of Beneficiaries in Enrollment Population	Number of Beneficiaries With Diabetes	Diabetes Rate in Enrolled Population
1	1	34.6	9.3	27.0%
	6	33.4	9.9	29.5%
	12	32.3	10.3	31.8%
	24	30.6	10.8	35.2%
	48	27.1	10.9	40.2%
2	1	34.6	7.2	20.9%
	6	33.4	8.4	25.0%
	12	32.3	8.7	27.1%
	24	30.6	9.1	29.8%
	48	27.1	9.1	33.7%
3	1	34.6	7.3	21.2%
	6	33.4	8.4	25.2%
	12	32.3	8.8	27.3%
	24	30.6	9.2	30.1%
	48	27.1	9.2	34.1%

Prevalence of Diabetes in Medicare Parts A and B Fee-for-Service (FFS) Cohort Population (Millions), 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	Number of Beneficiaries in Enrollment Population	Number of Beneficiaries With Diabetes	Diabetes Rate in Enrolled Population
Total	All	2006	32.8	8.7	26.4%
Age	Disabled/end stage renal disease (under 65)	2006	5.3	1.4	26.1%
	65 and over	2006	27.5	7.3	26.5%
	Under 45	2006	1.4	0.2	14.3%
	45 to 54	2006	1.7	0.4	24.6%
	55 to 64	2006	2.2	0.8	34.7%
	65 to 74	2006	12.9	3.4	26.4%
	75 to 84	2006	10.2	2.8	28.0%
	85 to 94	2006	4.0	1.0	24.1%
Gender	95 and over	2006	0.4	0.1	16.7%
	Unknown	2006	*	*	*
	Male	2006	14.3	3.9	27.5%
Race	Female	2006	18.5	4.7	25.6%
	Unknown	2006	0.0	0.0	23.1%
	White	2006	28.0	6.9	24.8%
	Black	2006	3.2	1.2	36.5%
	Other	2006	0.4	0.1	31.5%
	Asian	2006	0.5	0.2	33.9%
	Hispanic	2006	0.6	0.2	38.1%
American Indian/Alaska Native	2006	0.1	0.1	36.0%	
Total	All	2007	32.3	8.8	27.3%
Age	Disabled/end stage renal disease (under 65)	2007	5.3	1.4	26.9%
	65 and over	2007	27.0	7.4	27.4%
	Under 45	2007	1.4	0.2	15.0%
	45 to 54	2007	1.7	0.4	25.5%
	55 to 64	2007	2.3	0.8	35.4%
	65 to 74	2007	12.6	3.4	27.2%
	75 to 84	2007	9.8	2.9	29.0%
	85 to 94	2007	4.1	1.0	25.1%
Gender	95 and over	2007	0.4	0.1	17.5%
	Unknown	2007	*	*	*
	Male	2007	14.1	4.0	28.5%
Race	Female	2007	18.2	4.8	26.4%
	Unknown	2007	0.0	0.0	23.9%
	White	2007	27.5	7.0	25.6%

Breakdown	Category	Year	Number of Beneficiaries in Enrollment Population	Number of Beneficiaries With Diabetes	Diabetes Rate in Enrolled Population
	Black	2007	3.1	1.2	37.5%
	Other	2007	0.4	0.1	32.7%
	Asian	2007	0.5	0.2	35.5%
	Hispanic	2007	0.6	0.2	39.1%
	American Indian/Alaska Native	2007	0.2	0.1	37.3%
Total	All	2008	31.9	8.9	27.9%
Age	Disabled/end stage renal disease (under 65)	2008	5.4	1.5	27.5%
	65 and over	2008	26.5	7.4	28.0%
	Under 45	2008	1.4	0.2	15.4%
	45 to 54	2008	1.7	0.4	26.0%
	55 to 64	2008	2.3	0.8	35.8%
	65 to 74	2008	12.6	3.5	27.7%
	75 to 84	2008	9.4	2.8	29.8%
	85 to 94	2008	4.1	1.1	25.9%
	95 and over	2008	0.4	0.1	18.1%
Gender	Unknown	2008	*	*	*
	Male	2008	14.0	4.1	29.1%
	Female	2008	17.9	4.8	26.9%
Race	Unknown	2008	0.0	0.0	24.8%
	White	2008	27.1	7.1	26.2%
	Black	2008	3.1	1.2	38.2%
	Other	2008	0.4	0.1	33.4%
	Asian	2008	0.5	0.2	36.8%
	Hispanic	2008	0.6	0.2	39.8%
	American Indian/Alaska Native	2008	0.2	0.1	37.9%

Annual Prevalence of Foot Ulcer Among Diabetic Medicare Parts A and B Fee-for-Service (FFS) Beneficiaries, 2006-2008, by Age, Gender, and Race, and 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	Prevalence of Foot Ulcer		
			Rate of Foot Ulcer in Enrolled Diabetic Population		
			Rate of Foot Ulcer	Rate of Foot Ulcer With PAD Among Enrolled Beneficiaries With Diabetes and PAD	Rate of Foot Ulcer Without PAD Among Enrolled Beneficiaries With Diabetes and Without PAD
Total	All	2006	8.1%	19.2%	5.0%
Age	Disabled/end stage renal disease (under 65)	2006	10.0%	26.8%	6.5%
	65 and over	2006	7.7%	18.1%	4.7%
	Under 45	2006	9.0%	31.3%	6.7%
	45 to 54	2006	10.3%	28.6%	7.0%
	55 to 64	2006	10.0%	25.5%	6.2%
	65 to 74	2006	6.1%	17.2%	3.8%
	75 to 84	2006	8.0%	17.7%	4.9%
	85 to 94	2006	11.5%	20.4%	7.3%
	95 and over	2006	15.3%	23.0%	10.6%
Gender	Unknown	2006	*	*	*
	Male	2006	8.2%	20.4%	4.8%
	Female	2006	7.9%	18.1%	5.1%
Race	Unknown	2006	10.6%	21.2%	6.9%
	White	2006	8.0%	18.9%	5.1%
	Black	2006	8.9%	21.1%	5.0%
	Other	2006	5.7%	18.5%	3.3%
	Asian	2006	4.4%	14.2%	2.7%
	Hispanic	2006	8.7%	18.1%	4.9%
	American Indian/Alaska Native	2006	9.7%	28.4%	6.4%
Total	All	2007	8.1%	18.9%	5.0%
Age	Disabled/end stage renal disease (under 65)	2007	9.9%	26.4%	6.5%
	65 and over	2007	7.7%	17.9%	4.7%
	Under 45	2007	9.1%	31.3%	6.8%
	45 to 54	2007	10.2%	28.3%	6.9%
	55 to 64	2007	10.1%	25.1%	6.2%
	65 to 74	2007	6.1%	16.9%	3.8%
	75 to 84	2007	8.0%	17.3%	4.9%
	85 to 94	2007	11.5%	20.2%	7.2%
	95 and over	2007	15.2%	22.7%	10.4%

Breakdown	Category	Year	Prevalence of Foot Ulcer		
			Rate of Foot Ulcer in Enrolled Diabetic Population		
			Rate of Foot Ulcer	Rate of Foot Ulcer With PAD Among Enrolled Beneficiaries With Diabetes and PAD	Rate of Foot Ulcer Without PAD Among Enrolled Beneficiaries With Diabetes and Without PAD
Gender	Unknown	2007	*	*	*
	Male	2007	8.2%	20.1%	4.8%
	Female	2007	7.9%	17.9%	5.1%
Race	Unknown	2007	10.6%	20.3%	7.1%
	White	2007	8.0%	18.6%	5.1%
	Black	2007	8.9%	20.9%	4.8%
	Other	2007	5.6%	17.9%	3.2%
	Asian	2007	4.3%	14.3%	2.5%
	Hispanic	2007	8.6%	17.8%	4.9%
	American Indian/Alaska Native	2007	9.7%	28.0%	6.4%
	Total	All	2008	8.0%	18.6%
Age	Disabled/end stage renal disease (under 65)	2008	9.8%	26.0%	6.4%
	65 and over	2008	7.6%	17.5%	4.6%
	Under 45	2008	9.1%	30.9%	6.8%
	45 to 54	2008	10.1%	28.1%	6.7%
	55 to 64	2008	9.9%	24.6%	6.1%
	65 to 74	2008	6.1%	16.8%	3.7%
	75 to 84	2008	7.9%	16.9%	4.8%
	85 to 94	2008	11.3%	19.7%	7.1%
	95 and over	2008	15.0%	22.2%	10.2%
Gender	Unknown	2008	*	*	*
	Male	2008	8.2%	19.8%	4.8%
	Female	2008	7.8%	17.6%	5.0%
Race	Unknown	2008	9.4%	19.2%	6.0%
	White	2008	8.0%	18.4%	5.0%
	Black	2008	8.7%	20.3%	4.7%
	Other	2008	5.5%	16.9%	3.2%
	Asian	2008	4.2%	13.2%	2.5%
	Hispanic	2008	8.6%	18.0%	4.7%
	American Indian/Alaska Native	2008	9.6%	27.4%	6.3%

Annual Prevalence of Lower Extremity Amputation (LEA) Among Diabetic Medicare Parts A and B Fee-for-Service Beneficiaries, 2006-2008, by Age, Gender, and Race, and Broken Down by Diagnosis of 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	Prevalence of LEA		
			Rate of LEA in Enrolled Diabetic Population		
			Rate of LEA	Rate of LEA With PAD Among Enrolled Beneficiaries With Diabetes and PAD	Rate of LEA Without PAD Among Enrolled Beneficiaries With Diabetes and Without PAD
Total	All	2006	1.8%	6.5%	0.6%
Age	Disabled/end stage renal disease (under 65)	2006	3.6%	14.7%	1.3%
	65 and over	2006	1.5%	5.3%	0.4%
	Under 45	2006	2.6%	16.8%	1.1%
	45 to 54	2006	3.7%	16.3%	1.4%
	55 to 64	2006	3.8%	13.8%	1.3%
	65 to 74	2006	1.5%	6.5%	0.4%
	75 to 84	2006	1.5%	4.9%	0.4%
	85 to 94	2006	1.6%	4.2%	0.4%
	95 and over	2006	1.9%	4.0%	0.6%
Gender	Unknown	2006	*	*	*
	Male	2006	2.4%	8.4%	0.8%
	Female	2006	1.4%	4.9%	0.4%
Race	Unknown	2006	2.3%	6.4%	0.8%
	White	2006	1.5%	5.4%	0.5%
	Black	2006	3.5%	11.5%	1.0%
	Other	2006	1.6%	7.7%	0.5%
	Asian	2006	0.7%	3.7%	0.2%
	Hispanic	2006	2.6%	7.4%	0.7%
	American Indian/Alaska Native	2006	4.1%	18.0%	1.7%
Total	All	2007	1.8%	6.1%	0.5%
Age	Disabled/end stage renal disease (under 65)	2007	3.5%	14.0%	1.3%
	65 and over	2007	1.5%	5.0%	0.4%
	Under 45	2007	2.6%	16.4%	1.1%
	45 to 54	2007	3.5%	15.4%	1.4%
	55 to 64	2007	3.7%	13.2%	1.2%
	65 to 74	2007	1.4%	6.2%	0.4%
	75 to 84	2007	1.4%	4.6%	0.4%
	85 to 94	2007	1.6%	4.0%	0.4%
	95 and over	2007	1.7%	3.5%	0.5%

Breakdown	Category	Year	Prevalence of LEA		
			Rate of LEA in Enrolled Diabetic Population		
			Rate of LEA	Rate of LEA With PAD Among Enrolled Beneficiaries With Diabetes and PAD	Rate of LEA Without PAD Among Enrolled Beneficiaries With Diabetes and Without PAD
Gender	Unknown	2007	*	*	*
	Male	2007	2.3%	8.0%	0.7%
	Female	2007	1.3%	4.5%	0.4%
Race	Unknown	2007	1.9%	5.6%	0.5%
	White	2007	1.5%	5.2%	0.5%
	Black	2007	3.4%	10.8%	0.9%
	Other	2007	1.5%	6.9%	0.4%
	Asian	2007	0.7%	3.5%	0.2%
	Hispanic	2007	2.6%	7.0%	0.8%
	American Indian/Alaska Native	2007	4.0%	17.2%	1.6%
	Total	All	2008	1.8%	5.9%
Age	Disabled/end stage renal disease (under 65)	2008	3.5%	13.9%	1.2%
	65 and over	2008	1.4%	4.8%	0.4%
	Under 45	2008	2.6%	16.0%	1.1%
	45 to 54	2008	3.6%	15.5%	1.4%
	55 to 64	2008	3.6%	13.0%	1.2%
	65 to 74	2008	1.4%	6.0%	0.4%
	75 to 84	2008	1.4%	4.4%	0.4%
	85 to 94	2008	1.5%	3.8%	0.4%
	95 and over	2008	1.6%	3.3%	0.4%
Gender	Unknown	2008	*	*	*
	Male	2008	2.3%	7.8%	0.7%
	Female	2008	1.3%	4.4%	0.4%
Race	Unknown	2008	1.9%	5.3%	0.7%
	White	2008	1.5%	5.0%	0.5%
	Black	2008	3.3%	10.4%	0.9%
	Other	2008	1.4%	6.5%	0.4%
	Asian	2008	0.7%	3.1%	0.2%
	Hispanic	2008	2.6%	7.0%	0.8%
	American Indian/Alaska Native	2008	3.8%	16.2%	1.5%

Annual Prevalence of Foot Ulcer Among Nondiabetic Medicare Parts A and B Fee-for-Service 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	Prevalence of Foot Ulcer in Enrolled Nondiabetic Population		
			Rate of Foot Ulcer	Rate of Foot Ulcer With PAD Among Enrolled Beneficiaries Without Diabetes and With PAD	Rate of Foot Ulcer Without PAD Among Enrolled Beneficiaries Without Diabetes and Without PAD
Total	All	2006	3.3%	11.0%	2.5%
Age	Disabled/end stage renal disease (under 65)	2006	2.8%	10.7%	2.5%
	65 and over	2006	3.3%	11.0%	2.5%
	Under 45	2006	2.8%	13.4%	2.6%
	45 to 54	2006	3.0%	11.5%	2.7%
	55 to 64	2006	2.8%	9.7%	2.3%
	65 to 74	2006	1.8%	7.1%	1.6%
	75 to 84	2006	3.5%	10.2%	2.7%
	85 to 94	2006	6.6%	14.4%	4.8%
	95 and over	2006	9.6%	17.4%	6.9%
Gender	Unknown	2006	*	*	*
	Male	2006	2.7%	9.8%	2.1%
	Female	2006	3.7%	11.8%	2.8%
Race	Unknown	2006	4.2%	13.0%	3.1%
	White	2006	3.4%	11.0%	2.6%
	Black	2006	2.8%	11.8%	2.0%
	Other	2006	1.7%	9.1%	1.4%
	Asian	2006	1.7%	8.6%	1.4%
	Hispanic	2006	2.6%	8.4%	2.0%
	American Indian/Alaska Native	2006	2.7%	9.4%	2.4%
Total	All	2007	3.3%	10.9%	2.5%
Age	Disabled/end stage renal disease (under 65)	2007	2.8%	10.7%	2.5%
	65 and over	2007	3.4%	10.9%	2.5%
	Under 45	2007	2.8%	13.5%	2.6%
	45 to 54	2007	3.0%	11.6%	2.7%
	55 to 64	2007	2.8%	9.7%	2.3%
	65 to 74	2007	1.9%	7.1%	1.6%
	75 to 84	2007	3.5%	10.1%	2.7%
	85 to 94	2007	6.6%	14.1%	4.8%
	95 and over	2007	9.4%	17.1%	6.7%

Breakdown	Category	Year	Prevalence of Foot Ulcer in Enrolled Nondiabetic Population		
			Rate of Foot Ulcer	Rate of Foot Ulcer With PAD Among Enrolled Beneficiaries Without Diabetes and With PAD	Rate of Foot Ulcer Without PAD Among Enrolled Beneficiaries Without Diabetes and Without PAD
Gender	Unknown	2007	*	*	*
	Male	2007	2.7%	9.7%	2.1%
	Female	2007	3.7%	11.7%	2.8%
Race	Unknown	2007	4.2%	14.7%	2.9%
	White	2007	3.4%	10.9%	2.6%
	Black	2007	2.8%	11.5%	2.0%
	Other	2007	1.7%	8.4%	1.4%
	Asian	2007	1.8%	9.5%	1.4%
	Hispanic	2007	2.6%	8.8%	2.0%
	American Indian/Alaska Native	2007	2.7%	9.2%	2.4%
Total	All	2008	3.3%	11.0%	2.5%
Age	Disabled/end stage renal disease (under 65)	2008	2.8%	10.8%	2.5%
	65 and over	2008	3.4%	11.0%	2.5%
	Under 45	2008	2.7%	13.5%	2.6%
	45 to 54	2008	3.0%	11.5%	2.6%
	55 to 64	2008	2.8%	9.9%	2.3%
	65 to 74	2008	1.9%	7.2%	1.6%
	75 to 84	2008	3.5%	10.1%	2.7%
	85 to 94	2008	6.6%	14.1%	4.8%
95 and over	2008	9.4%	16.9%	6.7%	
Gender	Unknown	2008	*	*	*
	Male	2008	2.8%	9.8%	2.1%
	Female	2008	3.7%	11.7%	2.8%
Race	Unknown	2008	4.0%	14.4%	2.8%
	White	2008	3.4%	11.0%	2.6%
	Black	2008	2.7%	11.3%	1.9%
	Other	2008	1.7%	8.6%	1.4%
	Asian	2008	1.7%	8.7%	1.4%
	Hispanic	2008	2.5%	8.9%	1.9%
	American Indian/Alaska Native	2008	2.8%	9.8%	2.4%

Annual Prevalence of Lower Extremity Amputation (LEA) Among Nondiabetic 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	Prevalence of LEA in Enrolled Nondiabetic Population		
			Rate of LEA	Rate of LEA With PAD Among Enrolled Beneficiaries Without Diabetes and With PAD	Rate of LEA Without PAD Among Enrolled Beneficiaries Without Diabetes and Without PAD
Total	All	2006	0.3%	1.5%	0.2%
Age	Disabled/end stage renal disease (under 65)	2006	0.5%	3.3%	0.4%
	65 and over	2006	0.2%	1.4%	0.1%
	Under 45	2006	0.5%	3.2%	0.4%
	45 to 54	2006	0.6%	3.4%	0.5%
	55 to 64	2006	0.6%	3.3%	0.4%
	65 to 74	2006	0.2%	1.5%	0.1%
	75 to 84	2006	0.3%	1.4%	0.1%
	85 to 94	2006	0.4%	1.3%	0.2%
	95 and over	2006	0.5%	1.4%	0.2%
Gender	Unknown	2006	*	*	*
	Male	2006	0.4%	2.1%	0.2%
	Female	2006	0.2%	1.2%	0.1%
Race	Unknown	2006	0.4%	1.6%	0.2%
	White	2006	0.3%	1.3%	0.2%
	Black	2006	0.6%	4.0%	0.3%
	Other	2006	0.2%	1.1%	0.1%
	Asian	2006	0.1%	0.8%	0.1%
	Hispanic	2006	0.3%	1.1%	0.2%
	American Indian/Alaska Native	2006	0.4%	2.5%	0.3%
Total	All	2007	0.3%	1.4%	0.2%
Age	Disabled/end stage renal disease (under 65)	2007	0.5%	3.2%	0.4%
	65 and over	2007	0.2%	1.3%	0.1%
	Under 45	2007	0.4%	3.1%	0.4%
	45 to 54	2007	0.6%	3.3%	0.5%
	55 to 64	2007	0.5%	3.1%	0.4%
	65 to 74	2007	0.2%	1.5%	0.1%
	75 to 84	2007	0.3%	1.3%	0.1%
	85 to 94	2007	0.4%	1.2%	0.1%
	95 and over	2007	0.4%	1.2%	0.2%
Gender	Unknown	2007	*	*	*

Breakdown	Category	Year	Prevalence of LEA in Enrolled Nondiabetic Population		
			Rate of LEA	Rate of LEA With PAD Among Enrolled Beneficiaries Without Diabetes and With PAD	Rate of LEA Without PAD Among Enrolled Beneficiaries Without Diabetes and Without PAD
	Male	2007	0.4%	1.9%	0.2%
	Female	2007	0.2%	1.1%	0.1%
Race	Unknown	2007	0.4%	1.6%	0.2%
	White	2007	0.3%	1.3%	0.2%
	Black	2007	0.5%	3.6%	0.3%
	Other	2007	0.2%	1.1%	0.1%
	Asian	2007	0.1%	0.9%	0.1%
	Hispanic	2007	0.3%	1.2%	0.2%
	American Indian/Alaska Native	2007	0.4%	2.5%	0.3%
Total	All	2008	0.3%	1.4%	0.2%
Age	Disabled/end stage renal disease (under 65)	2008	0.5%	3.1%	0.4%
	65 and over	2008	0.2%	1.3%	0.1%
	Under 45	2008	0.5%	3.1%	0.4%
	45 to 54	2008	0.6%	3.3%	0.5%
	55 to 64	2008	0.5%	3.1%	0.4%
	65 to 74	2008	0.2%	1.5%	0.1%
	75 to 84	2008	0.2%	1.2%	0.1%
	85 to 94	2008	0.3%	1.2%	0.1%
95 and over	2008	0.4%	1.2%	0.1%	
Gender	Unknown	2008	*	*	*
	Male	2008	0.4%	1.9%	0.2%
	Female	2008	0.2%	1.1%	0.1%
Race	Unknown	2008	0.4%	1.5%	0.3%
	White	2008	0.3%	1.2%	0.2%
	Black	2008	0.5%	3.4%	0.3%
	Other	2008	0.2%	1.1%	0.1%
	Asian	2008	0.1%	0.7%	0.1%
	Hispanic	2008	0.3%	1.1%	0.2%
	American Indian/Alaska Native	2008	0.4%	2.3%	0.3%

Annual Prevalence of Major and Minor 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 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 LEA in Enrolled Diabetic Population		
			Rate of Major LEA	Rate of Minor LEA	Rate of Major and Minor LEA in the Same Year
Total	All	2006	1.4%	0.5%	0.3%
Age	Disabled/end stage renal disease (under 65)	2006	2.7%	0.8%	0.6%
	65 and over	2006	1.1%	0.4%	0.2%
	Under 45	2006	2.0%	0.7%	0.5%
	45 to 54	2006	2.8%	0.9%	0.6%
	55 to 64	2006	2.9%	0.9%	0.6%
	65 to 74	2006	1.1%	0.4%	0.2%
	75 to 84	2006	1.1%	0.4%	0.2%
	85 to 94	2006	1.2%	0.4%	0.2%
Gender	95 and over	2006	1.6%	0.3%	0.2%
	Unknown	2006	*	*	*
	Male	2006	1.8%	0.6%	0.4%
Race	Female	2006	1.0%	0.4%	0.2%
	Unknown	2006	1.7%	0.6%	0.3%
	White	2006	1.1%	0.4%	0.2%
	Black	2006	2.9%	0.6%	0.5%
	Other	2006	1.2%	0.4%	0.3%
	Asian	2006	0.5%	0.2%	0.1%
	Hispanic	2006	2.0%	0.6%	0.5%
Total	American Indian/Alaska Native	2006	3.2%	0.9%	0.8%
	All	2007	1.3%	0.5%	0.3%
Age	Disabled/end stage renal disease (under 65)	2007	2.6%	0.8%	0.6%
	65 and over	2007	1.1%	0.4%	0.2%
	Under 45	2007	1.9%	0.7%	0.5%
	45 to 54	2007	2.7%	0.9%	0.6%
	55 to 64	2007	2.8%	0.9%	0.6%
	65 to 74	2007	1.0%	0.4%	0.2%
	75 to 84	2007	1.1%	0.4%	0.2%
	85 to 94	2007	1.2%	0.4%	0.2%
Gender	95 and over	2007	1.4%	0.3%	0.1%
	Unknown	2007	*	*	*
	Male	2007	1.8%	0.6%	0.4%
Race	Female	2007	1.0%	0.3%	0.2%
	Unknown	2007	1.5%	0.4%	0.3%
	White	2007	1.1%	0.4%	0.2%

Breakdown	Category	Year	Prevalence of LEA in Enrolled Diabetic Population		
			Rate of Major LEA	Rate of Minor LEA	Rate of Major and Minor LEA in the Same Year
	Black	2007	2.8%	0.6%	0.5%
	Other	2007	1.1%	0.4%	0.3%
	Asian	2007	0.5%	0.2%	0.1%
	Hispanic	2007	2.0%	0.6%	0.4%
	American Indian/Alaska Native	2007	3.0%	1.0%	0.7%
Total	All	2008	1.3%	0.5%	0.3%
Age	Disabled/end stage renal disease (under 65)	2008	2.6%	0.9%	0.6%
	65 and over	2008	1.0%	0.4%	0.2%
	Under 45	2008	1.9%	0.7%	0.5%
	45 to 54	2008	2.7%	0.9%	0.6%
	55 to 64	2008	2.8%	0.9%	0.6%
	65 to 74	2008	1.0%	0.4%	0.2%
	75 to 84	2008	1.0%	0.4%	0.2%
	85 to 94	2008	1.1%	0.4%	0.2%
95 and over	2008	1.2%	0.3%	0.1%	
Gender	Unknown	2008	*	*	*
	Male	2008	1.7%	0.6%	0.4%
	Female	2008	0.9%	0.3%	0.2%
Race	Unknown	2008	1.4%	0.5%	0.2%
	White	2008	1.0%	0.4%	0.2%
	Black	2008	2.7%	0.6%	0.5%
	Other	2008	1.1%	0.4%	0.2%
	Asian	2008	0.5%	0.2%	0.1%
	Hispanic	2008	2.0%	0.6%	0.4%
	American Indian/Alaska Native	2008	2.9%	0.9%	0.7%

Annual Prevalence of Osteomyelitis 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.

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

Breakdown	Category	Year	Prevalence of Osteomyelitis		
			Rate of Osteomyelitis With DFU Among Enrolled Diabetic Beneficiaries	Rate of Osteomyelitis With DFU Among Enrolled Diabetic Beneficiaries With DFU	Rate of Osteomyelitis Among Enrolled Diabetic Beneficiaries Without DFU
Total	All	2006	1.1%	13.2%	0.2%
Age	Disabled/end stage renal disease (under 65)	2006	1.9%	19.5%	0.2%
	65 and over	2006	0.9%	11.8%	0.2%
	Under 45	2006	1.8%	19.6%	0.2%
	45 to 54	2006	2.1%	20.5%	0.2%
	55 to 64	2006	1.9%	19.0%	0.3%
	65 to 74	2006	0.9%	14.1%	0.1%
	75 to 84	2006	0.9%	11.2%	0.2%
	85 to 94	2006	1.1%	9.2%	0.2%
	95 and over	2006	1.2%	7.6%	0.2%
Gender	Unknown	2006	*	*	*
	Male	2006	1.3%	15.8%	0.2%
	Female	2006	0.9%	11.0%	0.2%
Race	Unknown	2006	1.3%	12.3%	0.2%
	White	2006	1.0%	12.5%	0.2%
	Black	2006	1.5%	16.7%	0.2%
	Other	2006	0.9%	15.9%	0.1%
	Asian	2006	0.5%	11.1%	0.1%
	Hispanic	2006	1.3%	14.8%	0.2%
	American Indian/Alaska Native	2006	1.7%	17.7%	0.2%
	Total	All	2007	1.1%	13.2%
Age	Disabled/end stage renal disease (under 65)	2007	2.0%	19.7%	0.2%
	65 and over	2007	0.9%	11.6%	0.2%
	Under 45	2007	1.8%	19.9%	0.2%
	45 to 54	2007	2.1%	20.7%	0.2%
	55 to 64	2007	1.9%	19.1%	0.3%
	65 to 74	2007	0.8%	13.8%	0.1%
	75 to 84	2007	0.9%	11.1%	0.2%
	85 to 94	2007	1.1%	9.1%	0.2%
	95 and over	2007	1.1%	7.5%	0.2%
Gender	Unknown	2007	*	*	*

Breakdown	Category	Year	Prevalence of Osteomyelitis		
			Rate of Osteomyelitis With DFU Among Enrolled Diabetic Beneficiaries	Rate of Osteomyelitis With DFU Among Enrolled Diabetic Beneficiaries With DFU	Rate of Osteomyelitis Among Enrolled Diabetic Beneficiaries Without DFU
	Male	2007	1.3%	15.8%	0.2%
	Female	2007	0.9%	10.9%	0.2%
Race	Unknown	2007	1.2%	11.7%	0.2%
	White	2007	1.0%	12.4%	0.2%
	Black	2007	1.5%	16.7%	0.2%
	Other	2007	0.9%	15.6%	0.1%
	Asian	2007	0.5%	11.9%	0.1%
	Hispanic	2007	1.3%	14.8%	0.2%
	American Indian/Alaska Native	2007	1.7%	17.7%	0.2%
Total	All	2008	1.1%	13.6%	0.2%
Age	Disabled/end stage renal disease (under 65)	2008	2.0%	20.2%	0.2%
	65 and over	2008	0.9%	12.0%	0.2%
	Under 45	2008	1.8%	20.3%	0.2%
	45 to 54	2008	2.1%	21.2%	0.2%
	55 to 64	2008	2.0%	19.7%	0.3%
	65 to 74	2008	0.9%	14.4%	0.1%
	75 to 84	2008	0.9%	11.4%	0.2%
	85 to 94	2008	1.1%	9.3%	0.2%
	95 and over	2008	1.1%	7.0%	0.2%
Gender	Unknown	2008	*	*	*
	Male	2008	1.3%	16.2%	0.2%
	Female	2008	0.9%	11.3%	0.2%
Race	Unknown	2008	1.2%	13.0%	0.2%
	White	2008	1.0%	12.8%	0.2%
	Black	2008	1.5%	17.5%	0.2%
	Other	2008	0.9%	15.9%	0.1%
	Asian	2008	0.5%	11.3%	0.1%
	Hispanic	2008	1.4%	15.9%	0.2%
	American Indian/Alaska Native	2008	1.7%	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.

Note: 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%
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%

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
	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%
	95 and over	2007	3.0%	19.9%	12.2%	11.6%	76.0%	65.0%
Gender	Unknown	2007	*	*	*	*	*	*
	Male	2007	4.1%	50.3%	21.8%	5.4%	66.2%	36.7%
	Female	2007	3.4%	43.5%	22.1%	5.1%	64.7%	37.4%
Race	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%
	American Indian/Alaska Native	2007	6.1%	63.0%	30.1%	5.8%	59.4%	32.1%
Total	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%
	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%

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
Race	Female	2008	3.5%	44.4%	22.9%	5.0%	64.3%	37.0%
	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.

Note: 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%
Gender	95 and over	2006	0.4%	19.5%	12.4%	1.6%	83.5%	67.1%
	Unknown	2006	*	*	*	*	*	*
	Male	2006	1.4%	59.7%	22.5%	1.8%	76.1%	38.7%
Race	Female	2006	0.8%	57.1%	22.6%	1.1%	79.6%	39.6%
	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%
Total	American Indian/Alaska Native	2006	3.0%	73.9%	31.0%	2.8%	68.2%	33.0%
	All	2007	1.1%	60.0%	23.3%	1.4%	76.7%	38.7%
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%

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
	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%
	95 and over	2007	0.4%	23.6%	13.2%	1.4%	83.1%	66.4%
Gender	Unknown	2007	*	*	*	*	*	*
	Male	2007	1.4%	61.0%	23.2%	1.8%	75.5%	38.3%
	Female	2007	0.8%	58.5%	23.3%	1.0%	78.7%	39.1%
Race	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%
	American Indian/Alaska Native	2007	3.1%	76.1%	31.5%	2.8%	69.6%	33.3%
Total	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%
	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%

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
	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%