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Comprehensive Diabetes Care (CDC)

Assesses adults 18–75 years of age with diabetes (type 1 and type 2) who had each of the following:

- Hemoglobin A1c (HbA1c) testing.
- HbA1c poor control (>9.0%).
- HbA1c control (<8.0%).
- HbA1c control (<7.0%) for a selected population. *
- Eye exam (retinal) performed.
- Medical attention for nephropathy.
- BP control (<140/90 mm Hg).

*Additional exclusion criteria are required for this indicator, which will result in a different eligible population from all other indicators. This indicator is only reported for the commercial and Medicaid product lines.

WHY IT MATTERS

Diabetes is a complex group of diseases marked by high blood glucose (blood sugar) due to the body's inability to make or use insulin. Left unmanaged, **diabetes can lead to serious complications**, including heart disease, stroke, hypertension, blindness, kidney disease, diseases of the nervous system, amputations and premature death.¹

Proper diabetes management is essential to control blood glucose, reduce risks for complications and prolong life. With support from health care providers, patients can

manage their diabetes with self-care, taking medications as instructed, eating a healthy diet, being physically active and quitting smoking.¹



RESULTS

BLOOD PRESSURE CONTROL (<140/90 MM HG)

| Year | Commercial | | Medicaid | | Medicare | |
|------|------------|------|----------|------|----------|-----|
| | HMO | PPO | HMO | HMO | PPO | PPO |
| 2017 | 62.2 | 50.3 | 62.7 | 67.4 | 63.6 | |
| 2016 | 61.6 | 50.5 | 59.7 | 63.9 | 60.6 | |
| 2015 | 60.2 | 49.7 | 59.0 | 61.9 | 55.2 | |
| 2014 | 64.6 | 58.7 | 61.9 | 65.0 | 60.1 | |
| 2013 | 65.0 | 58.5 | 60.4 | 65.6 | 62.2 | |
| 2012 | 66.5 | 58.3 | 58.9 | 63.3 | 61.2 | |
| 2011 | 65.8 | 59.4 | 60.9 | 63.1 | 60.3 | |
| 2010 | 65.7 | 51.1 | 60.4 | 62.3 | 55.6 | |
| 2009 | 65.1 | 46.3 | 59.8 | 60.5 | 49.0 | |
| 2008 | 65.6 | 0.3 | 56.9 | 59.5 | 0.3 | |
| 2007 | 63.9 | 0.1 | 55.6 | 58.9 | 0.3 | |

EYE EXAMS

| Year | Commercial | | Medicaid | | Medicare | |
|------|------------|-----|----------|-----|----------|-----|
| | HMO | PPO | HMO | HMO | PPO | PPO |

EYE EXAMS




| | | | | | |
|------|------|------|------|------|------|
| 2017 | 55.0 | 49.0 | 57.2 | 71.9 | 71.1 |
| 2016 | 53.6 | 47.5 | 54.9 | 70.4 | 69.6 |
| 2015 | 53.7 | 47.1 | 52.7 | 68.8 | 68.4 |
| 2014 | 56.2 | 48.7 | 54.4 | 68.5 | 68.4 |
| 2013 | 55.7 | 46.9 | 53.6 | 68.5 | 66.0 |
| 2012 | 56.8 | 48.8 | 53.2 | 66.8 | 64.6 |
| 2011 | 56.9 | 48.4 | 53.3 | 66.0 | 63.8 |
| 2010 | 57.7 | 45.5 | 53.1 | 64.6 | 62.3 |
| 2009 | 56.5 | 42.6 | 52.7 | 63.5 | 59.4 |
| 2008 | 56.5 | 35.8 | 52.8 | 60.8 | 52.2 |
| 2007 | 55.0 | 34.0 | 49.8 | 62.7 | 50.4 |
| 2006 | 54.6 | 36.1 | 51.4 | 62.3 | 53.8 |
| 2005 | 54.8 | 42.7 | 48.6 | 66.5 | 53.8 |
| 2004 | 50.9 | - | 44.9 | 67.2 | - |
| 2003 | 48.8 | - | 45.0 | 64.9 | - |
| 2002 | 51.7 | - | 46.8 | 68.4 | - |
| 2001 | 52.1 | - | 46.4 | 66.0 | - |
| 2000 | 48.1 | - | - | - | - |
| 1999 | 45.3 | - | - | - | - |

HBA1C SCREENING

Commercial

Medicaid

Medicare

HBA1C SCREENING


| Year | HMO | PPO | HMO | HMO | PPO |
|------|------|------|------|------|------|
| 2017 | 91.2 | 89.8 | 87.6 | 93.7 | 93.5 |
| 2016 | 90.6 | 89.3 | 86.7 | 93.5 | 93.6 |
| 2015 | 90.1 | 88.8 | 86.0 | 93.2 | 92.7 |
| 2014 | 90.5 | 88.3 | 86.3 | 92.8 | 92.4 |
| 2013 | 89.9 | 87.3 | 83.8 | 92.3 | 91.7 |
| 2012 | 90.1 | 87.2 | 83.0 | 91.4 | 91.0 |
| 2011 | 90.0 | 87.0 | 82.5 | 91.0 | 91.1 |
| 2010 | 89.9 | 85.2 | 82.0 | 90.4 | 90.6 |
| 2009 | 89.2 | 83.3 | 80.6 | 89.6 | 89.3 |
| 2008 | 89.0 | 79.5 | 80.5 | 88.3 | 85.7 |
| 2007 | 88.1 | 75.6 | 77.3 | 88.1 | 81.9 |
| 2006 | 87.5 | 72.1 | 78.0 | 87.2 | 83.3 |
| 2005 | 87.5 | 82.8 | 76.1 | 88.9 | 80.0 |
| 2004 | 86.5 | - | 75.9 | 89.1 | - |
| 2003 | 84.6 | - | 74.8 | 87.9 | - |
| 2002 | 82.6 | - | 73.0 | 85.0 | - |
| 2001 | 81.4 | - | 71.6 | 85.7 | - |
| 2000 | 78.4 | - | - | - | - |
| 1999 | 75.0 | - | - | - | - |

**HBA1C <7% FOR A
SELECTED POPULATION**

**HBA1C <7% FOR A
SELECTED POPULATION**

| | Commercial | | Medicaid | Medicare | |
|------|------------|------|----------|----------|-----|
| Year | HMO | PPO | HMO | HMO | PPO |
| 2017 | 38.9 | 36.1 | 34.5 | - | - |
| 2016 | 37.7 | 34.5 | 34.6 | - | - |
| 2015 | 36.7 | 32.6 | 32.4 | - | - |
| 2014 | 39.0 | 34.9 | 34.1 | - | - |
| 2013 | 39.8 | 32.1 | 34.4 | - | - |
| 2012 | 43.2 | 36.0 | 34.0 | - | - |
| 2011 | 42.2 | 36.4 | 35.4 | - | - |
| 2010 | 42.5 | 28.2 | 34.7 | - | - |
| 2009 | 42.1 | 30.3 | 33.9 | - | - |
| 2008 | 43.3 | 13.5 | 32.9 | - | - |
| 2007 | 43.1 | 10.0 | 31.4 | - | - |

HBA1C CONTROL (<8.0%)

| | Commercial | | Medicaid | Medicare | |
|------|------------|------|----------|----------|------|
| Year | HMO | PPO | HMO | HMO | PPO |
| 2017 | 57.6 | 47.9 | 49.4 | 64.4 | 67.2 |
| 2016 | 56.0 | 46.6 | 47.1 | 62.9 | 66.3 |
| 2015 | 55.3 | 46.6 | 45.5 | 62.7 | 63.8 |
| 2014 | 57.5 | 52.6 | 46.5 | 64.8 | 65.2 |
| 2013 | 58.9 | 52.8 | 45.5 | 65.5 | 64.1 |

HBA1C CONTROL (<8.0%)

| | | | | | |
|------|------|------|------|------|------|
| 2012 | 61.3 | 54.5 | 46.5 | 64.3 | 62.8 |
| 2011 | 61.2 | 55.2 | 48.1 | 65.2 | 63.2 |
| 2010 | 62.3 | 50.2 | 46.9 | 65.6 | 57.3 |
| 2009 | 61.6 | 48.0 | 45.7 | 63.7 | 51.8 |

**POOR HBA1C CONTROL
(>9.0%)***

| Year | Commercial | | Medicaid | | Medicare |
|------|------------|------|----------|------|----------|
| | HMO | PPO | HMO | HMO | PPO |
| 2017 | 31.7 | 41.2 | 40.5 | 25.4 | 22.3 |
| 2016 | 33.0 | 42.5 | 43.3 | 26.3 | 23.3 |
| 2015 | 33.8 | 44.3 | 45.4 | 27.4 | 26.5 |
| 2014 | 31.1 | 37.3 | 43.6 | 24.9 | 24.9 |
| 2013 | 30.5 | 37.7 | 45.6 | 25.3 | 26.6 |
| 2012 | 28.5 | 35.2 | 44.7 | 27.1 | 29.3 |
| 2011 | 28.3 | 33.5 | 43.0 | 26.5 | 28.8 |
| 2010 | 27.3 | 46.6 | 44.0 | 25.9 | 35.2 |
| 2009 | 28.2 | 44.6 | 44.9 | 28.0 | 41.3 |
| 2008 | 28.4 | 74.4 | 44.8 | 29.4 | 67.0 |
| 2007 | 29.4 | 84.1 | 48.0 | 29.0 | 74.7 |
| 2006 | 29.6 | 75.9 | 48.7 | 27.3 | 71.8 |
| 2005 | 29.7 | 55.4 | 49.2 | 23.6 | 27.3 |
| 2004 | 30.7 | - | 48.6 | 22.3 | - |

**POOR HBA1C CONTROL
(>9.0%)***

| | | | | | |
|------|------|---|------|------|---|
| 2003 | 32.0 | - | 48.6 | 23.4 | - |
| 2002 | 33.9 | - | 48.9 | 48.9 | - |
| 2001 | 36.9 | - | 48.3 | 26.8 | - |
| 2000 | 42.5 | - | - | - | - |
| 1999 | 44.9 | | | | |

*Lower rates signify
better performance.

**MONITORING
NEPHROPATHY**

| | Commercial | | Medicaid | Medicare | |
|------|------------|------|----------|----------|------|
| Year | HMO | PPO | HMO | HMO | PPO |
| 2017 | 90.4 | 88.2 | 90.1 | 95.7 | 95.1 |
| 2016 | 90.2 | 88.1 | 89.9 | 95.6 | 95.3 |
| 2015 | 90.4 | 87.4 | 90.0 | 95.5 | 94.7 |
| 2014 | 85.4 | 80.4 | 80.9 | 92.0 | 90.0 |
| 2013 | 84.5 | 78.9 | 79.0 | 91.1 | 89.4 |
| 2012 | 84.3 | 78.6 | 78.4 | 90.0 | 88.3 |
| 2011 | 83.8 | 77.9 | 77.8 | 89.9 | 88.1 |
| 2010 | 83.6 | 74.3 | 77.7 | 89.2 | 87.3 |
| 2009 | 82.9 | 69.9 | 76.9 | 88.6 | 85.2 |
| 2008 | 82.4 | 65.9 | 76.6 | 87.9 | 82.1 |
| 2007 | 80.6 | 64.2 | 74.3 | 85.7 | 81.7 |

**MONITORING
NEPHROPATHY**

| | | | | | |
|------|------|------|------|------|------|
| 2006 | 79.7 | 60.7 | 74.6 | 85.4 | 83.0 |
| 2005 | 55.1 | 44.4 | 48.9 | 60.3 | 51.5 |
| 2004 | 52.0 | - | 46.7 | 58.6 | - |
| 2003 | 48.2 | - | 43.7 | 53.6 | - |
| 2002 | 51.8 | - | 48.2 | 57.3 | - |
| 2001 | 46.3 | - | 42.3 | 51.9 | - |
| 2000 | 41.3 | - | - | - | - |
| 1999 | 36.0 | - | - | - | - |

References

1. Centers for Disease Control and Prevention (CDC). 2014. "National diabetes statistics report: estimates of diabetes and its burden in the United States, 2014." Atlanta, GA: U.S. Department of Health and Human Services. <https://www.cdc.gov/diabetes/pdfs/data/2014-report-estimates-of-diabetes-and-its-burden-in-the-united-states.pdf>



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