**Table A. Diabetes mellitus diagnosis**

**codes used to identify hospitalizations among**

**non-elderly adults with diabetes**

|  |
| --- |
| ICD-9 codes |
| DX 249.00, 249.01, 249.10, 249.11, 249.20, 249.21,  249.30, 249.31, 249.40, 249.41, 249.50, 249.51,  249.60, 249.61, 249.70, 249.71, 249.80, 249.81,  249.90, 249.91, 250.00, 250.01, 250.02, 250.03,  250.10, 250.11, 250.12, 250.13, 250.20, 250.21,  250.22, 250.23, 250.30, 250.31, 250.32, 250.33,  250.40, 250.41, 250.42, 250.43, 250.50, 250.51,  250.52, 250.53, 250.60, 250.61, 250.62, 250.63,  250.70, 250.71, 250.72, 250.73, 250.80, 250.81,  250.82, 250.83, 250.90, 250.91, 250.92, 250.93,  357.2, 362.01, 362.02, 362.03, 362.04, 362.05,  362.06, 366.41 (any DX on the claim) |

**Table B. Prevention Quality Indicator numbers (PQI#s) and ICD-9 diagnosis codes for conditions of interest**

|  |  |  |
| --- | --- | --- |
| Conditions | PQI # | ICD-9 inpatient diagnosis codes |
| Diabetes short term complications | 1 | 25010, 25011, 25012,  25013, 25020, 25021,  25022, 25023, 25030,  25031, 25032, 25033 |
| Diabetes long term complications | 3 | 25040, 25041, 25042,  25043, 25050, 25051,  25052, 25053, 25060,  25061, 25062, 25063,  25070, 25071, 25072,  25073, 25080, 25081,  25082, 25083, 25090,  25091, 25092, 25093 |
| Hypertension | 7 | 4010, 4019, 40200,  40210, 40290, 40300,  40310, 40390, 40400,  40410, 40490 |
| Heart failure | 8 | 39891, 40201, 40211,  40291, 40401, 40403,  40411, 40413, 40491,  40493, 4280, 4281,  42820, 42821, 42822,  42823, 42830, 42831,  42832, 42833, 42840,  42841, 42842, 42843,  4289 |
| Uncontrolled diabetes | 14 | 25002, 25003 |
| Acute composite conditions | 91 PQI #10 (Dehydration), PQI #11 (Bacterial pneumonia), PQI #12 (Urinary tract infection) | Dehydration: 2765, 27650, 27651,  27652, 2760  Bacterial Pneumonia:  481, 4822, 48230,  48231, 48232, 48239,  48240, 48241, 48242,  48249, 4829, 4830,  4831, 4838, 485, 486  Urinary tract infection:  59010, 59011, 5902,  5903, 59080, 59081,  5909, 5950, 5959,  5990 |
| Chronic composite conditions | 92  PQI#1, PQI#3, PQI#7, PQI#8, PQI#14 – from above  Plus PQI#5 (COPD or Asthma in Older Adults) and PQI#15 (Asthma in younger adults) | COPD or asthma in older adults:  4910, 4911, 49120,  49121, 49122, 4918,  4919, 4920, 4928,  494, 4940, 4941,  496, 49300, 49301,  49302, 49310, 49311,  49312, 49320,49321,  49322, 49381,49382,  49390, 49391,49392  Asthma in younger adults:  49300, 49301, 49302,  49310, 49311, 49312,  49320, 49321, 49322,  49381, 49382, 49390,  49391, 49392 |

**Table C. Hospitalizations among adults aged 18-64 with diabetes in selected Medicaid expansion and non-expansion states before (2013) and after expansion (2014), Health Care Costs and Utilization Project State Inpatient Databases (HCUP-SID)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Expansion states  (N = 759,992 in 2013, 765,990 in 2014) | | |  | Non-expansion states  (N = 526,867 in 2013, 539,878 in 2014) | | |  | Expansion vs Non-expansion states | |
|  | 2013  (%) | 2014  (%) | 2014-2013  (PP)\* |  | 2013  (%) | 2014  (%) | 2014-2013  (PP)\* |  | Difference (PP) | p |
| Insurance status |  |  |  |  |  |  |  |  |  |  |
| Medicaid | 22.51 | 29.55 | 7.04 |  | 20.37 | 21.11 | 0.74 |  | 6.31 | 0.0003 |
| Uninsured/Self-paying | 7.24 | 3.23 | -4.01 |  | 10.19 | 8.83 | -1.36 |  | -2.65 | 0.008 |
| Other insurance | 70.25 | 67.22 | -3.03 |  | 69.44 | 70.07 | 0.63 |  | -3.66 | <0.0001 |
| Hospitalization for |  |  |  |  |  |  |  |  |  |  |
| Acute† composite conditions | 9.47 | 9.31 | -0.16 |  | 9.16 | 9.05 | -0.11 |  | -0.05 | 0.74 |
| Chronic‡ composite conditions | 18.22 | 18.04 | -0.17 |  | 19.39 | 19.76 | 0.37 |  | -0.54 | 0.04 |
| Uncontrolled diabetes§ | 0.54 | 0.47 | -0.07 |  | 0.79 | 0.68 | 0.11 |  | 0.04 | 0.18 |
| Diabetes short term complications‖ | 5.51 | 5.46 | -0.05 |  | 5.20 | 5.41 | 0.21 |  | -0.26 | 0.04 |
| Diabetes long term complications¶ | 4.96 | 4.92 | -0.04 |  | 5.06 | 5.09 | 0.03 |  | -0.07 | 0.57 |
| Heart failure | 3.40 | 3.65 | 0.25 |  | 4.28 | 4.57 | 0.30 |  | -0.05 | 0.62 |
| Hypertension | 0.57 | 0.55 | -.0.02 |  | 0.85 | 0.82 | -0.03 |  | 0.01 | 0.87 |

\* Percentage points

† Dehydration, bacterial pneumonia and urinary tract infection

‡ Diabetes short term complications, diabetes long term complications, hypertension, heart failure, uncontrolled diabetes, COPD and asthma

§Diabetes without mention of short-term (ketoacidosis, hyperosmolarity, or coma) or long-term (renal, eye, neurological, circulatory, or other unspecified) complications

‖Ketoacidosis, hyperosmolarity, diabetic coma

¶Renal, eye, neurological, circulatory, or complications not otherwise specified