

Comprehensive Diabetes Care (CDC) Medical Attention for Nephropathy

The percentage of members 18–75 years of age with diabetes (type 1 and type 2 indicated in the measurement year or the year prior) who received medical attention for nephropathy during the measurement year.

Improvement Notation	Higher score indicates better quality
Denominator	Patients 18–75 years as of the last day of of the measurement year who meet the following criteria: At least two outpatient visits (Outpatient Value Set), observation visits (Observation Value Set) or nonacute inpatient encounters (Nonacute Inpatient Value Set) on different dates of service, with a diagnosis of diabetes (Diabetes Value Set). Visit type need not be the same for the two visits OR At least one acute inpatient encounter (Acute Inpatient Value Set) with a diagnosis of diabetes (Diabetes Value Set) OR At least one ED visit (ED Value Set) with a diagnosis of diabetes (Diabetes Value Set).
Numerator	Patients who received medical attention for nephropathy during the measurement year.
Exclusions	Identify members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or year prior to the measurement year and who meet either of the following criteria: A diagnosis of polycystic ovaries (Polycystic Ovaries Value Set), in any setting, any time during the member’s history through the last day of of the measurement year. A diagnosis of gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.
Exceptions	None
Note	

Last updated 01/13/2017

Reference Periods Reference Date 02/12/2017

Base Period	02/12/2016 - 02/12/2017	12 months prior to the reference date
Ever	- 02/12/2017	Any time prior to the reference date
Reporting Period Lookback	02/12/2015 - 02/12/2017	1 year prior to start date of Base Period

Denominator



Numerator

○	One code indicating the following for Base Period — between 02/12/2016 and 02/12/2017	
	✔ Nephropathy screening test	See table N1
OR		
○	One code indicating the following for Base Period — between 02/12/2016 and 02/12/2017	
	✔ Nephropathy treatment	See table N2
OR		
○	One code indicating the following for Base Period — between 02/12/2016 and 02/12/2017	
	✔ Stage IV CKD	See table N3
OR		
○	One code indicating the following for Base Period — between 02/12/2016 and 02/12/2017	
	✔ End-stage renal disease (ESRD)	See table N4
OR		
○	One code indicating the following for Base Period — between 02/12/2016 and 02/12/2017	
	✔ Kidney transplant	See table N5
OR		
○	One code indicating the following for Base Period — between 02/12/2016 and 02/12/2017 (providerSpecialty=1190000)	
	✔ Visit with Nephrologist	See table N6
OR		
○	One code indicating the following for Base Period — between 02/12/2016 and 02/12/2017	
	✔ Positive urine microalbumin test	See table N7
OR		
○	One code indicating the following for Base Period — between 02/12/2016 and 02/12/2017 (drugDateMode=START_DATE)	
	✔ ACE inhibitors/ARBs	See table N8

Exclusion

NONE OF THE FOLLOWING

One code indicating the following for **Reporting Period Lookback** — between 02/12/2015 and 02/12/2017

✔ Diabetes See table XCL1

AND

One code indicating the following for **Reporting Period Lookback** — between 02/12/2015 and 02/12/2017

✔ Diabetes exclusion See table XCL2

OR

One code indicating the following for **Ever** — any time before 02/12/2017

✔ Polycystic ovaries See table XCL3

Reference Tables

Linked Encounter Reference Tables

L1	✔ Outpatient encounter ✔ Office visit ✔ Observation ✔ Non-acute inpatient ✔ ED encounter	
	Encounter	
	Custom Codes	
	Encounter: OFFICE_VISIT, Encounter: OUTPATIENT, Encounter: EMERGENCY	
	Procedure	
	CPT	HCPCS
99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99217, 99218, 99219, 99220, 99241, 99242, 99243, 99244, 99245, 99281, 99282, 99283, 99284, 99285, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99381, 99382, 99383, 99384, 99385, 99386, 99387, 99391, 99392, 99393, 99394, 99395, 99396, 99397, 99401, 99402, 99403, 99404, 99411, 99412, 99420, 99429, 99455, 99456		G0402, G0438, G0439

L2	✔ Acute inpatient	
	Procedure	
	CPT	
	99221, 99222, 99223, 99231, 99232, 99233, 99238, 99239, 99251, 99252, 99253, 99254, 99255, 99291	

Denominator Reference Tables

D1	✔ Diabetes
	Diagnosis
	ICD-9
	250, 250.0, 250.00, 250.01, 250.02, 250.03, 250.1, 250.10, 250.11, 250.12, 250.13, 250.2, 250.20, 250.21, 250.22, 250.23, 250.3, 250.30, 250.31, 250.32, 250.33, 250.4, 250.40, 250.41, 250.42, 250.43, 250.5, 250.50, 250.51, 250.52, 250.53, 250.6, 250.60, 250.61, 250.62, 250.63, 250.7, 250.70, 250.71, 250.72, 250.73, 250.8, 250.80, 250.81, 250.82, 250.83, 250.9, 250.90, 250.91, 250.92, 250.93, 357.2, 362.0, 362.01, 362.02, 362.03, 362.04, 362.05, 362.06, 362.07, 366.41, 648.0, 648.00, 648.01, 648.02, 648.03, 648.04

D2	✔ Prescriptions to identify members with Diabetes
	Drug
	RxNorm
	1043567, 1043574, 1043582, 106892, 1100706, 1189804, 1189808, 1189827, 1242968, 1243026, 1243033, 1243040, 1243833, 1243843, 1243848, 1312409, 1312416, 1312423, 1368012, 1368020, 1368036, 1368391, 1368398, 1368409, 1368416, 1368423, 1368430, 1368437, 1368444, 1373469, 1373473, 1486977, 1486981, 1534805, 1534822, 153591, 153843, 153845, 1544918, 1545156, 1545159, 1545163, 1545166, 1545664, 1545668, 1652604, 1652646, 1653204, 197495, 197496, 197737, 198292, 198293, 198294, 199149, 199150, 199245, 199246, 199247, 200132, 200256, 200257, 200258, 205828, 205830, 205872, 205875, 205879, 209247, 209248, 213170, 213218, 213219, 213220, 213442, 213485, 213486, 213487, 242120, 245265, 261241, 261242, 261243, 261266, 261267, 261268, 284529, 284530, 285018, 310488, 310489, 310490, 310534, 310536, 310537, 310539, 311026, 311027, 311033, 311036, 311919, 312440, 312441, 314000, 314006, 314142, 315107, 317573, 351859, 351926, 616238, 647237, 647239, 665036, 665040, 665044, 731281, 731457, 731463, 752388, 803194, 847189, 847199, 847201, 847205, 847213, 847232, 847241, 847254, 847261, 847708, 847712, 847716, 847720, 847724, 847913, 847917, 858040, 858044, 861041, 861043, 861045, 861731, 861733, 861736, 861738, 861740, 861742, 861743, 861747, 861748, 861752, 861753, 861757, 861762, 861765, 861771, 861783, 861785, 861789, 861792, 861808, 861818, 861821, 861822, 861824, 865098, 865568, 865571, 865573, 881407, 881409, 881411, 897126, 899993, 900000, 977840, 977842

Numerator Reference Tables

N1	✔ Nephropathy screening test
	Observation
	LOINC
	11218-5, 12842-1, 13705-9, 13801-6, 14585-4, 14956-7, 14957-5, 14958-3, 14959-1, 1753-3, 1754-1, 1755-8, 1757-4, 18373-1, 20621-9, 21059-1, 21482-5, 26801-1, 27298-9, 2887-8, 2888-6, 2889-4, 2890-2, 30000-4, 30001-2, 30003-8, 32209-9, 32294-1, 32551-4, 34366-5, 35663-4, 40486-3, 40662-9, 40663-7, 43605-5, 43606-3, 43607-1, 44292-1, 47558-2, 49023-5, 50949-7, 53121-0, 53530-2, 53531-0, 53532-8, 56553-1, 57369-1, 58448-2, 58992-9, 59159-4, 60678-0, 63474-1, 9318-7
	Procedure
	CPT
	3060F, 3061F, 82042, 82043, 82044, 84156

N2	✔ Nephropathy treatment
	Diagnosis
	ICD-9
	250.4, 250.40, 250.41, 250.42, 250.43, 403, 403.0, 403.00, 403.01, 403.1, 403.10, 403.11, 403.9, 403.90, 403.91, 404, 404.0, 404.00, 404.01, 404.02, 404.03, 404.1, 404.10, 404.11, 404.12, 404.13, 404.9, 404.90, 404.91, 404.92, 404.93, 405.01, 405.11, 405.91, 580, 580.0, 580.4, 580.8, 580.81, 580.89, 580.9, 581, 581.0, 581.1, 581.2, 581.3, 581.8, 581.81, 581.89, 581.9, 582, 582.0, 582.1, 582.2, 582.4, 582.8, 582.81, 582.89, 582.9, 583, 583.0, 583.1, 583.2, 583.4, 583.6, 583.7, 583.8, 583.81, 583.89, 583.9, 584, 584.5, 584.6, 584.7, 584.8, 584.9, 585, 585.1, 585.2, 585.3, 585.9, 586, 587, 588, 588.0, 588.1, 588.8, 588.81, 588.89, 588.9, 753.0, 753.1, 753.10, 753.11, 753.12, 753.13, 753.14, 753.15, 753.16, 753.17, 753.19, 791.0
	Procedure
	CPT
	3066F, 4010F

N3	✔ Stage IV CKD
	Diagnosis
	ICD-9
	585.4

N4	✔ End-stage renal disease (ESRD)
	Diagnosis
	ICD-9
	585.5, 585.6, V45.1, V45.11, V45.12
	Procedure
	CPTHCPCSI
	36147, 36800, 36810, 36815, 36818, 36819, 36820, 36821, 36831, 36832, 36833, 90935, 90937, 90940, 90945, 90947, 90957, 90958, 90959, 90960, 90961, 90962, 90965, 90966, 90969, 90970, 90989, 90993, 90997, 90999, 99512G0257, S933938.95, 39.27, 39.42, 39.43, 39.53, 39.93, 39.94, 39.95, 54.98

N5	✔ Kidney transplant
	Diagnosis
	ICD-9
	V42.0
	Procedure
	CPTHCPCSI

	50300, 50320, 50340, 50360, 50365, 50370, 50380	S2065	55.61, 55.69
N6	✔ Visit with Nephrologist		
	Encounter		
N7	✔ Positive urine microalbumin test		
	Procedure		
	CPT		
	3062F		
N8	✔ ACE inhibitors/ARBs		
	Drug		
	RxNorm		
	1000000, 1000005, 1011724, 1011735, 104375, 104376, 104377, 104378, 104384, 104385, 1091650, 1091654, 1235150, 1235157, 1299859, 1299861, 1299871, 1299873, 1299890, 1299896, 1299897, 1299959, 1299963, 1299965, 1435630, 153665, 153666, 153667, 153822, 153823, 197436, 197437, 197438, 197439, 197884, 197885, 197886, 197887, 198188, 198189, 199351, 199352, 199353, 200094, 200095, 200096, 200284, 200285, 205304, 205305, 205326, 206764, 206765, 206766, 206770, 206771, 207891, 207892, 207893, 207895, 207961, 207963, 207965, 210671, 210672, 210673, 213431, 213432, 213482, 260333, 261300, 261301, 261962, 282755, 283316, 283317, 284531, 308962, 308963, 308964, 310140, 310792, 310793, 310796, 310797, 310809, 311353, 311354, 312748, 312749, 312750, 314076, 314077, 314203, 317173, 349199, 349200, 349201, 349353, 349483, 351761, 351762, 352001, 352199, 352200, 352201, 352274, 352335, 352336, 477130, 577776, 577785, 577787, 578325, 578330, 636042, 636045, 639537, 639539, 639543, 724879, 724887, 724891, 724895, 744624, 744628, 744632, 744636, 749833, 749837, 749841, 802749, 805855, 805859, 805863, 809014, 809018, 809022, 809026, 809030, 809854, 809858, 823934, 823938, 823942, 823971, 823982, 823986, 845488, 845489, 847042, 847055, 847060, 848134, 848139, 848144, 848149, 848155, 854925, 854927, 854984, 854986, 854988, 854990, 857166, 857169, 857174, 857183, 857187, 858804, 858806, 858810, 858812, 858813, 858815, 858817, 858819, 858824, 858827, 858828, 858830, 876514, 876518, 876519, 876523, 876524, 876528, 876529, 876533, 882559, 897781, 897782, 897783, 897785, 897844, 897846, 897853, 897855, 898342, 898344, 898346, 898348, 898350, 898352, 898353, 898355, 898356, 898358, 898359, 898361, 898362, 898366, 898367, 898371, 898372, 898376, 898378, 898382, 898687, 898689, 898690, 898692, 898719, 898721, 898723, 898725, 979464, 979466, 979468, 979470, 979471, 979473, 979480, 979482, 979485, 979487, 979492, 979494, 999971, 999990, 999995		

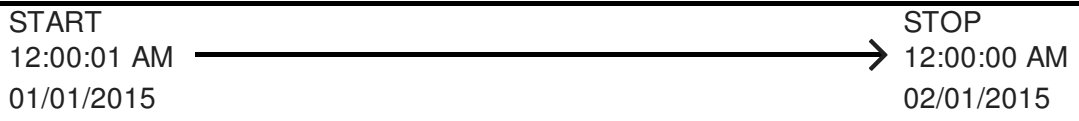
Exclusions Reference Tables

XCL1	✔ Diabetes
	Diagnosis
	ICD-9
	250, 250.0, 250.00, 250.01, 250.02, 250.03, 250.1, 250.10, 250.11, 250.12, 250.13, 250.2, 250.20, 250.21, 250.22, 250.23, 250.3, 250.30, 250.31, 250.32, 250.33, 250.4, 250.40, 250.41, 250.42, 250.43, 250.5, 250.50, 250.51, 250.52, 250.53, 250.6, 250.60, 250.61, 250.62, 250.63, 250.7, 250.70, 250.71, 250.72, 250.73, 250.8, 250.80, 250.81, 250.82, 250.83, 250.9, 250.90, 250.91, 250.92, 250.93, 357.2, 362.0, 362.01, 362.02, 362.03, 362.04, 362.05, 362.06, 362.07, 366.41, 648.0, 648.00, 648.01, 648.02, 648.03, 648.04

XCL2	✔ Diabetes exclusion
	Diagnosis
	ICD-9
	249, 249.0, 249.00, 249.01, 249.1, 249.10, 249.11, 249.2, 249.20, 249.21, 249.3, 249.30, 249.31, 249.4, 249.40, 249.41, 249.5, 249.50, 249.51, 249.6, 249.60, 249.61, 249.7, 249.70, 249.71, 249.8, 249.80, 249.81, 249.9, 249.90, 249.91, 251.8, 648.8, 648.80, 648.81, 648.82, 648.83, 648.84, 962.0

XCL3	✔ Polycystic ovaries
	Diagnosis
	ICD-9
	256.4

Reference Periods



Different criteria in each measure require that records occur during a precise time period. Note that all dates begin at midnight.

Operators

Operators describe what criteria is needed for a measure. They include:



Both criteria above and below the line must be met



Either criteria above or below the line must be met



The criteria following this are negated — they must not have occurred

Expressions

You will encounter certain expressions that denote a specific relationship between criteria. They include:



Linked Encounter
Indicates that the criteria listed above must have occurred during the same encounter as the criteria that immediately follows

