

Supplemental Table 1.

Nephrotic Syndrome Inclusion Codes (all individuals):

ICD-9/10	Description/Diagnosis
581.1	Nephrotic syndrome with lesion of MN or FSGS
581.3	Nephrotic syndrome with lesion of MCD
582.1	Chronic GN with lesion of MN or FSGS
583.1	Nephritis and nephropathy; acute/chronic unspecified, with lesion of MN or FSGS
N02.0	Recurrent and persistent hematuria with minor glomerular abnormality
N04.0	Nephrotic syndrome with minor glomerular abnormality
N03.3	Chronic nephritic syndrome with diffuse mesangial proliferative GN
N05.2	Unspecified nephritic syndrome with diffuse membranous GN

MN: Membranous nephropathy; FSGS: Focal segmental glomerulosclerosis; MCD: minimal change disease; GN: glomerulonephritis

Nephrotic Syndrome Not Otherwise Specified Inclusion Codes (individuals <20 years of age only):

581.9	Nephrotic syndrome with unspecified lesion
N04.9	Nephrotic syndrome with unspecified morphologic changes

Exclusion Codes:

ICD-9/10	Description/Diagnosis
583.89	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney
582.89	Chronic glomerulonephritis with other specified pathological lesion in kidney
583	Nephritis and nephropathy not specified as acute or chronic
V08	Asymptomatic human immunodeficiency virus [HIV] infection status
42	HIV disease
42.1	HIV disease
42.2	HIV disease
42.8	HIV disease
42.9	HIV disease
70.2	Viral hepatitis B
70.21	Viral hepatitis B
70.22	Viral hepatitis B
70.23	Viral hepatitis B
70.3	Viral hepatitis B
70.31	Viral hepatitis B
70.32	Viral hepatitis B
70.33	Viral hepatitis B
70.41	Other viral hepatitis
70.44	Other viral hepatitis
70.51	Other viral hepatitis
70.54	Other viral hepatitis

70.7	Viral hepatitis C
70.71	Viral hepatitis C
287	Purpura and other hemorrhagic conditions
580	Acute glomerulonephritis
580.4	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis
593.73	Other vesicoureteral reflux with reflux nephropathy NOS
741.9	Spina bifida without mention of hydrocephalus
741	Spina bifida
596.54	Neurogenic bladder NOS
277.87	Disorders of mitochondrial metabolism
593.7	Vesicoureteral reflux
582.9	Chronic glomerulonephritis with unspecified pathological lesion in kidney
583.2	Hypocomplementemic persistent glomerulonephritis
582.0	Chronic glomerulonephritis
277.39	Amyloidosis
277.3	Amyloidosis
277.30	Amyloidosis
250.40	Diabetes with renal manifestations
250.43	Diabetes with renal manifestations
250.41	Diabetes with renal manifestations
710	Diffuse diseases of connective tissue
710.0	Systemic lupus erythematosus
N05.1	Unspecified nephritic syndrome with focal and segmental glomerular lesions
N06.1	Isolated proteinuria with focal and segmental glomerular lesions
N07.1	Hereditary nephropathy, not elsewhere classified with focal and segmental glomerular lesions
N03.8	Chronic nephritic syndrome with other morphologic changes
N05.9	Unspecified nephritic syndrome with unspecified morphologic changes
Z21	Asymptomatic human immunodeficiency virus infection status
B20	Human immunodeficiency virus disease
B16.2	Acute hepatitis B
B19.1	Unspecified viral hepatitis B
B16.0	Acute hepatitis B
B18.1	Chronic viral hepatitis B
B180	Chronic viral hepatitis B
B16.9	Acute hepatitis B
B191.0	Unspecified viral hepatitis B
B161	Acute hepatitis B
B17.11	Acute hepatitis C
B18.2	Chronic viral hepatitis C
B17.10	Acute hepatitis C
B19.20	Unspecified viral hepatitis C
B192.1	Unspecified viral hepatitis C
D69.0	Allergic purpura

N00.3	Acute nephritic syndrome with diffuse mesangial proliferative glomerulonephritis
N01.3	Rapidly progressive nephritic syndrome with diffuse mesangial proliferative glomerulonephritis
N13.729	Vesicoureteral-reflux with reflux nephropathy
Q05.8	Spina bifida
Q05.4	Spina bifida
N31.9	Unspecified neuromuscular dysfunction of bladder
E884.0	Mitochondrial metabolism disorders
E884.1	Mitochondrial metabolism disorders, MELAS
E884.2	Mitochondrial metabolism disorders, MERRF syndrome
E884.9	Mitochondrial metabolism disorders
H49819	Kearns-Sayre syndrome
N13.729	Vesicoureteral-reflux with reflux nephropathy
N13.70	Vesicoureteral reflux unspecified
N03.9	Chronic nephritic syndrome with unspecified morphologic changes
N05.5	Unspecified nephritic syndrome with diffuse mesangiocapillary glomerulonephritis
N03.2	Chronic nephritic syndrome with diffuse membranous glomerulonephritis
E85.1	Neuropathic hereditary amyloidosis
E853	Secondary systemic amyloidosis
E858	Secondary systemic amyloidosis
E08.21	Diabetes mellitus due to underlying condition with diabetic nephropathy
E08.22	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease
E112.9	Type 2 diabetes mellitus with other diabetic kidney complication
E102.9	Type 1 diabetes mellitus with other diabetic kidney complication
M32.10	Systemic lupus erythematosus, organ or system involvement unspecified

Supplemental Table 2. Performance characteristics of the computable phenotype at 3 academic PCORnet centers, excluding individuals <20 years old

<i>Center</i>	True positive	False positive	False negative	True negative	Sensitivity	Specificity	Positive Predictive Value	Negative Predictive Value	Accuracy	F1 score	Area under curve (95% CI)
<i>University of Michigan</i>	30	7	1	36	0.97	0.84	0.81	0.97	0.89	0.88	0.90 [0.84 to 0.97]
<i>The Ohio State University</i>	35	15	0	49	1.00	0.77	0.70	1.00	0.85	0.82	0.88 [0.83 to 0.94]
<i>Mayo Clinic</i>	31	14	0	45	1.00	0.76	0.69	1.00	0.84	0.82	0.88 [0.83 to 0.94]