

UK Renal Registry 20th Annual Report: Appendix H Coding: Ethnicity, EDTA Primary Renal Diagnoses, EDTA Causes of Death

H1: Ethnicity coding

Tables H1.1 and H1.2 show the groupings of ethnicity information used in this report. Ethnic categories are condensed into five groups (White, South Asian, Black, Chinese and Other). For some analyses Chinese are grouped into Other.

Table H1.1. Read code groupings

Read code	Ethnic category	Assigned group
9S1..	White	White
9SA9.	Irish (NMO)	White
9SAA.	Greek Cypriot (NMO)	White
9SAB.	Turkish Cypriot (NMO)	White
9SAC.	Other European (NMO)	White
9S6..	Indian	S Asian
9S7..	Pakistani	S Asian
9S8..	Bangladeshi	S Asian
9SA6.	East African Asian	S Asian
9SA7.	Indian Subcontinent	S Asian
9SA8.	Other Asian	S Asian
9S2..	Black Caribbean	Black
9S3..	Black African	Black
9S4..	Black/Other/non-mixed origin	Black
9S41.	Black British	Black
9S42.	Black Caribbean	Black
9S43.	Black North African	Black
9S44.	Black other African country	Black
9S45.	Black East African Asian	Black
9S46.	Black Indian subcontinent	Black
9S47.	Black Other Asian	Black
9S48.	Black Black Other	Black
9S5..	Black other/mixed	Black
9S51.	Other Black – Black/White origin	Black
9S52.	Other Black – Black/Asian origin	Black
9S9..	Chinese	Chinese
9T1C.	Chinese	Chinese
9SA..	Other ethnic non-mixed (NMO)	Other
9SA1.	British ethnic minority specified (NMO)	Other
9SA2.	British ethnic minority unspecified (NMO)	Other
9SA3.	Caribbean Island (NMO)	Other

Table H1.1. Continued

Read code	Ethnic category	Assigned group
9SA4.	North African Arab (NMO)	Other
9SA5.	Other African countries (NMO)	Other
9SAD.	Other ethnic NEC (NMO)	Other
9SB..	Other ethnic/mixed origin	Other
9SB1.	Other ethnic/Black/White origin	Other
9SB2.	Other ethnic/Asian/White origin	Other
9SB3.	Other ethnic/mixed White origin	Other
9SB4.	Other ethnic/Other mixed origin	Other

NMO – non-mixed origin

Table H1.2. Ethnicity groupings

Code	Ethnic category (description)	Assigned group
A	White – British	White
B	White – Irish	White
C	Other White background	White
D	Mixed – White and Black Caribbean	Other
E	Mixed – White and Black African	Other
F	Mixed – White and Asian	Other
G	Other Mixed background	Other
H	Asian or Asian British – Indian	S Asian
J	Asian or Asian British – Pakistani	S Asian
K	Asian or Asian British – Bangladeshi	S Asian
L	Other Asian background	S Asian
M	Black Caribbean	Black
N	Black African	Black
P	Other Black background	Black
R	Chinese	Chinese
S	Other ethnic background	Other

H2: EDTA primary renal diagnoses

New primary renal diagnosis (PRD) codes were produced in 2012 [1]. The data used for this report included a mixture of old and new ERA-EDTA codes. The old codes were used where available, and for those people without an old code, new codes (where available) were mapped back to old codes using the mapping available on the ERA-EDTA website. As recommended in the notes for users in the ERA-EDTA's PRD code list document, the mapping of new to old codes is provided for guidance only and has not been validated; therefore care must be taken not to over interpret data from this mapping.

The old codes (both those received from centres and those mapped back from new codes) were then grouped into the same eight categories as in previous reports as shown in table H2.1.

Table H2.1. Old code mapping

Code	Title	Group
0	Chronic renal failure; aetiology uncertain unknown/unavailable	Uncertain
10	Glomerulonephritis; histologically NOT examined	Glomerulonephritis*
11	Focal segmental glomerulosclerosis with nephrotic syndrome in children	Glomerulonephritis
12	IgA nephropathy (proven by immunofluorescence, not code 76 and not 85)	Glomerulonephritis
13	Dense deposit disease; membrano-proliferative GN; type II (proven by immunofluorescence and/or electron microscopy)	Glomerulonephritis

Table H2.1. Continued

Code	Title	Group
14	Membranous nephropathy	Glomerulonephritis
15	Membrano-proliferative GN; type I (proven by immunofluorescence and/or electron microscopy – not code 84 or 89)	Glomerulonephritis
16	Crescentic (extracapillary) glomerulonephritis (type I, II, III)	Glomerulonephritis
17	Focal segmental glomerulosclerosis with nephrotic syndrome in adults	Glomerulonephritis
19	Glomerulonephritis; histologically examined, not given above	Glomerulonephritis
20	Pyelonephritis – cause not specified	Pyelonephritis
21	Pyelonephritis associated with neurogenic bladder	Pyelonephritis
22	Pyelonephritis due to congenital obstructive uropathy with/without vesico-ureteric reflux	Pyelonephritis
23	Pyelonephritis due to acquired obstructive uropathy	Pyelonephritis
24	Pyelonephritis due to vesico-ureteric reflux without obstruction	Pyelonephritis
25	Pyelonephritis due to urolithiasis	Pyelonephritis
29	Pyelonephritis due to other cause	Pyelonephritis
30	Interstitial nephritis (not pyelonephritis) due to other cause, or unspecified (not mentioned above)	Other
31	Nephropathy (interstitial) due to analgesic drugs	Other
32	Nephropathy (interstitial) due to cis-platinum	Other
33	Nephropathy (interstitial) due to cyclosporin A	Other
34	Lead induced nephropathy (interstitial)	Other
39	Drug induced nephropathy (interstitial) not mentioned above	Other
40	Cystic kidney disease – type unspecified	Polycystic
41	Polycystic kidneys; adult type (dominant)	Polycystic
42	Polycystic kidneys; infantile (recessive)	Polycystic
43	Medullary cystic disease; including nephronophthisis	Other
49	Cystic kidney disease – other specified type	Other
50	Hereditary/Familial nephropathy – type unspecified	Other
51	Hereditary nephritis with nerve deafness (Alport's Syndrome)	Other
52	Cystinosis	Other
53	Primary oxalosis	Other
54	Fabry's disease	Other
59	Hereditary nephropathy – other specified type	Other
60	Renal hypoplasia (congenital) – type unspecified	Other
61	Oligomeganephronic hypoplasia	Other
63	Congenital renal dysplasia with or without urinary tract malformation	Other
66	Syndrome of agenesis of abdominal muscles (Prune Belly)	Other
70	Renal vascular disease – type unspecified	Renal vascular disease
71	Renal vascular disease due to malignant hypertension	Hypertension
72	Renal vascular disease due to hypertension	Hypertension
73	Renal vascular disease due to polyarteritis	Renal vascular disease
74	Wegener's granulomatosis	Other
75	Ischaemic renal disease/cholesterol embolism	Renal vascular disease
76	Glomerulonephritis related to liver cirrhosis	Other
78	Cryoglobulinemic glomerulonephritis	Other
79	Renal vascular disease – due to other cause (not given above and not code 84-88)	Renal vascular disease
80	Type 1 diabetes with diabetic nephropathy	Diabetes
81	Type 2 diabetes with diabetic nephropathy	Diabetes
82	Myelomatosis/light chain deposit disease	Other
83	Amyloid	Other
84	Lupus erythematosus	Other
85	Henoch-Schoenlein purpura	Other
86	Goodpasture's syndrome	Other
87	Systemic sclerosis (scleroderma)	Other
88	Haemolytic Uraemic Syndrome (including Moschowitz syndrome)	Other
89	Multi-system disease – other (not mentioned above)	Other
90	Tubular necrosis (irreversible) or cortical necrosis (different from 88)	Other
91	Tuberculosis	Other

Table H2.1. Continued

Code	Title	Group
92	Gout nephropathy (urate)	Other
93	Nephrocalcinosis and hypercalcaemic nephropathy	Other
94	Balkan nephropathy	Other
95	Kidney tumour	Other
96	Traumatic or surgical loss of kidney	Other
98	Not known	Missing
99	Other identified renal disorders	Other
199	Code not sent	Missing

*Prior to the 15th Annual Report categorised as 'uncertain'

H3: EDTA cause of death

Table H3.1. Cause of death categories

EDTA code	Cause	UKRR category
0	Cause of death uncertain/not determined	Uncertain
11	Myocardial ischaemia and infarction	Heart
12	Hyperkalaemia	Other
13	Haemorrhagic pericarditis	Other
14	Other causes of cardiac failure	Heart
15	Cardiac arrest/sudden death; other cause or unknown	Heart
16	Hypertensive cardiac failure	Heart
17	Hypokalaemia	Other
18	Fluid overload/pulmonary oedema	Heart
21	Pulmonary embolus	Other
22	Cerebro-vascular accident (CVA), other cause or unspecified	CVA
23	Gastro-intestinal haemorrhage (digestive)	Other
24	Haemorrhage from graft site	Other
25	Haemorrhage from vascular access or dialysis circuit	Other
26	Haemorrhage from ruptured vascular aneurysm (not code 22 or 23)	Other
27	Haemorrhage from surgery (not codes 23,24,26)	Other
28	Other haemorrhage, (not codes 23–27)	Other
29	Mesenteric infarction	Other
31	Pulmonary infection bacterial (not code 73)	Infection
32	Pulmonary infection (viral)	Infection
33	Pulmonary infection (fungal or protozoal; parasitic)	Infection
34	Infections elsewhere except viral hepatitis	Infection
35	Septicaemia	Infection
36	Tuberculosis (lung)	Infection
37	Tuberculosis (elsewhere)	Infection
38	Generalized viral infection	Infection
39	Peritonitis (all causes except for peritoneal dialysis)	Infection
41	Liver disease due to hepatitis B virus	Other
42	Liver disease due to other viral hepatitis	Other
43	Liver disease due to drug toxicity	Other
44	Cirrhosis – not viral (alcoholic or other cause)	Other
45	Cystic liver disease	Other
46	Liver failure – cause unknown	Other
47	Patient refused further treatment for end stage renal failure (ESRF)	Trt_stop
51	Patient refused further treatment for end stage renal failure (ESRF)	Trt_stop
52	Suicide	Other
53	ESRF treatment ceased for any other reason	Trt_stop
54	ESRF treatment withdrawn for medical reasons	Trt_stop
61	Uraemia caused by graft failure	Trt_stop

Table H3.1. Continued

EDTA code	Cause	UKRR category
62	Pancreatitis	Other
63	Bone marrow depression (Aplasia)	Other
64	Cachexia	Other
66	Malignant disease in patient treated by immunosuppressive therapy	Malignant
67	Malignant disease: solid tumours except those of 66	Malignant
68	Malignant disease: lymphoproliferative disorders (Except 66)	Malignant
69	Dementia	Other
70	Peritonitis (sclerosing, with peritoneal dialysis)	Other
71	Perforation of peptic ulcer	Other
72	Perforation of colon	Other
73	Chronic obstructive pulmonary disease	Other
81	Accident related to ESRF treatment (not 25)	Other
82	Accident unrelated to ESRF treatment	Other
90	Uraemia caused by graft failure	Trt_stop
99	Other identified cause of death	Other*
100	Peritonitis (bacterial, with peritoneal dialysis)	Infection
101	Peritonitis (fungal, with peritoneal dialysis)	Infection
102	Peritonitis (due to other cause, with peritoneal dialysis)	Infection

*Prior to the 15th Annual Report categorised as 'uncertain'

Trt stop – treatment stopped

Reference

- 1 Venkat-Raman G. et al. New Primary diagnosis codes for the ERA-EDTA. *Nephrol Dial Transplant* 2012;27(12):4414–9

