

COVID-19 outcomes in people receiving maintenance dialysis – literature search

Source	Population	Mortality in people with positive test	Testing policy	Additional information on denominator group	Other information
Registry data UKRR COVID Surveillance Report (up to 15/7/20)	In-centre HD	27% England 22% NI 28% Scotland 31% Wales	Varies across time and by centre		Positive test in: 11.1% England 3.0% NI 4.4% Scotland 9.0% Wales
Registry data UKRR COVID Surveillance Report (up to 15/7/20)	Home therapies	41% England NA% NI 25% Scotland 33% Wales	Varies across time and by centre	Lower testing rates in home therapies vs in-centre HD? Tested outside main centre?	Positive test in: 2.7% England 0% NI 1.1% Scotland 2.2% Wales
Registry data ERACODA 5 th study report	HD + PD	20%	Varies with time and by centre	82% of patients in ERACODA database (includes HD, PD, Tx) admitted	
Single centre UK, London (Roper et al KI Reports 2020)	In-centre HD	9%	Symptomatic cases only	40% admitted	76/670 positive tests 7/76 deaths: <ul style="list-style-type: none"> • M:F 6:1 • Mean age 79 (56-85) • 85% DM
Single centre Spain (Goicoechea et al KI 2020)	In-centre HD	30%	Symptomatic cases only	Only patients admitted to hospital	36/282 positive 11/36 deaths: <ul style="list-style-type: none"> • M:F 1.2:1 • Mean age 75 • 54% DM
Four centres Italy (Alberica et al KI 2020)	In-centre HD	29%	Symptomatic cases in 3 centres, all patients in 1 centre	61% admitted	94/643 positive 27/94 deaths (42% of admitted; 8% of outpatient) Predictors of death: fever, cough, CRP>50; not age or DM
Single centre France, Paris (Tortonesi et al)	In-centre HD	27% 36% in those	Symptomatic cases only	93% admitted	12/44 deaths Predictors of death: cough,

al KI reports 2020)		requiring oxygen			thrombocytopenia, CRP>175, LDH >2xULN
Single centre USA, New York (Valeri et al JASN 2020)	In-centre HD (2/59 PD)	31%	Not specified	Only patients admitted	18/59 deaths Predictors of death: age, comorbidity, raised WCC, raised CRP
Single centre China, Wuhan (Wu et al CJASN 2020)	In-centre HD	14%	Not specified	Only patients admitted	
Survey data Italian Society of Nephrology (Quintaliani J Nephrol 2020)	HD	34%	Not specified	Not specified	454 centres surveyed, 365 responded 30,821 patients, 3.5% positive
Survey data Italian Society of Nephrology (Quintaliani J Nephrol 2020)	PD	45%	Not specified	Not specified	454 centres surveyed, 365 responded 4,139 patients, 1.4% positive

Overall mortality in dialysis similar to cancer patients (28% mortality in symptomatic from UKCCMP)