

Supplementary table 2: Presence of multimorbidity at the time of first RHD surgery (only adults presented)							
Chronic disease first surgery N (%), median (IQR)	CKD	Diabetes	Hypertension	Smoking history	COPD	Myocardial infarction	Bronchiectasis
Chronic kidney disease^a 18/265 (6.8), 5.0 (4.0-6.0)	NA	11/17 (64.7)	14/18 (77.8)	15/18 (76.5)	8/18 (44.4)	6/17 (35.3)	4/17 (23.5)
Diabetes 42 (15.2), 4.0 (2.0-5.0)	11/41 (26.8)	NA	28/42 (66.7)	30/41 (73.2)	6/42 (14.3)	8/42 (19.0)	4/42 (9.5)
Hypertension 83/278 (29.9), 3.0 (2.0-4.0)	14/79 (17.7)	28/83 (33.7)	NA	60/80 (75.0)	18/83 (21.7)	20/83 (24.1)	7/83 (8.4)
Smoking history^b 164/243 (67.5), 2.0 (1.0-3.5)	15/156 (9.6)	30/163 (18.4)	60/164 (36.6)	NA	33/164 (20.1)	20/163 (12.3)	10/162 (6.2)
COPD 33/277 (11.9), 4.0 (3.0-5.0)	8/32 (25.0)	6/32 (18.7)	18/33 (54.5)	33/33 (100.0)	NA	7/32 (21.9)	8/31 (25.8)
Myocardial infarction 23/277 (8.3), 5.0 (4.0-6.0)	6/19 (31.6)	8/23 (34.8)	20/23 (87.0)	20/23 (87.0)	7/23 (30.4)	NA	3/23 (13.0)
Bronchiectasis 13/276 (4.7), 4.0 (2.0-7.0)	4/13 (30.8)	4/13 (30.8)	7/13 (53.8)	10/12 (83.3)	8/13 (61.5)	3/13 (23.1)	NA

Chronic disease N= (number of patients with the condition)

RHD: Rheumatic heart disease, CKD: Chronic kidney disease, COPD: chronic obstructive pulmonary disease, IQR: interquartile range. NA: not applicable, Adults: those ≥16 years at the time of first surgery.

^a estimated glomerular filtration rate < 60ml/min/1.73m².

^b current or previous tobacco smoker.