

ANZ  
LKD



AUSTRALIA &  
NEW ZEALAND  
LIVING KIDNEY DONATION  
REGISTRY

# MISSING DATA REPORT

Survey Data 2020 – 2024

Abstract

The rates of non-response for ANZLKD  
survey items over the last 5 years

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# ANZLKD Missing Data Report



The tables below show the rates of non-response for ANZLKD survey items over the last 5 years, as N (%). The first row (Frequency) shows the number of donors that should have a response for the item. As rates of non-response have increased in recent years, individual hospital missing data reports will also be produced and supplied to units to highlight areas where reporting should improve. Rates can appear higher in the latest survey year as not all survey queries are received by the date of data lock.

**Table 1 Living Kidney Donor Details**

Variable	2020	2021	2022	2023	2024
Frequency	268	287	296	333	336
Donor gender	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Ethnicity 1	6 (2.2%)	10 (3.5%)	6 (2.0%)	1 (0.3%)	2 (0.6%)
Donor country of birth	4 (1.5%)	7 (2.4%)	7 (2.4%)	1 (0.3%)	2 (0.6%)
Donor postcode at transplantation	69 (25.7%)	70 (24.4%)	51 (17.2%)	70 (21.0%)	37 (11.0%)
Relationship to recipient	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Donor height (cms)	10 (3.7%)	12 (4.2%)	14 (4.7%)	2 (0.6%)	3 (0.9%)
Donor weight (kg)	10 (3.7%)	12 (4.2%)	14 (4.7%)	2 (0.6%)	3 (0.9%)
Cigarette Smoking	17 (6.3%)	17 (5.9%)	15 (5.1%)	27 (8.1%)	12 (3.6%)
Family history of diabetes?	22 (8.2%)	25 (8.7%)	22 (7.4%)	46 (13.8%)	18 (5.4%)
Diabetes present?	10 (3.7%)	12 (4.2%)	13 (4.4%)	2 (0.6%)	3 (0.9%)
Hypertension requiring treatment	10 (3.7%)	12 (4.2%)	13 (4.4%)	2 (0.6%)	3 (0.9%)
Systolic blood pressure - maximum (mmHg)	36 (13.4%)	38 (13.2%)	37 (12.5%)	46 (13.8%)	15 (4.5%)
Diastolic blood pressure - minimum (mmHg)	36 (13.4%)	38 (13.2%)	37 (12.5%)	46 (13.8%)	15 (4.5%)
Glucose tolerance test not performed	71 (26.5%)	62 (21.6%)	41 (13.9%)	64 (19.2%)	64 (19.0%)
Donor Serum Creatinine (micromol/L)	10 (3.7%)	13 (4.5%)	13 (4.4%)	2 (0.6%)	3 (0.9%)
Donor Urea (mmol/L)	11 (4.1%)	13 (4.5%)	13 (4.4%)	2 (0.6%)	3 (0.9%)
Method for measured Glomerular Filtration Rate	20 (7.5%)	24 (8.4%)	20 (6.8%)	11 (3.3%)	5 (1.5%)
Glomerular Filtration Rate (mL/min)	33 (12.3%)	34 (11.8%)	30 (10.1%)	24 (7.2%)	9 (2.7%)
24 hour Protein Result (mg/day)	140 (52.2%)	129 (44.9%)	152 (51.4%)	177 (53.2%)	150 (44.6%)
Donor PCR Result (g/mol)	124 (46.3%)	108 (37.6%)	138 (46.6%)	147 (44.1%)	129 (38.4%)
Donor ACR Result (g/mol)	174 (64.9%)	177 (61.7%)	173 (58.4%)	184 (55.3%)	215 (64.0%)
Which kidney?	9 (3.4%)	9 (3.1%)	7 (2.4%)	2 (0.6%)	3 (0.9%)
Type of Operation	10 (3.7%)	9 (3.1%)	7 (2.4%)	2 (0.6%)	3 (0.9%)
Operation approach	39 (14.6%)	16 (5.6%)	16 (5.4%)	19 (5.7%)	30 (8.9%)
Number of arteries	11 (4.1%)	13 (4.5%)	7 (2.4%)	2 (0.6%)	4 (1.2%)
Number of veins	11 (4.1%)	14 (4.9%)	7 (2.4%)	2 (0.6%)	4 (1.2%)
Number of ureters	11 (4.1%)	14 (4.9%)	8 (2.7%)	2 (0.6%)	4 (1.2%)
Infection after operation?	11 (4.1%)	12 (4.2%)	18 (6.1%)	2 (0.6%)	4 (1.2%)
Post operative urine culture?	11 (4.1%)	13 (4.5%)	20 (6.8%)	2 (0.6%)	7 (2.1%)
Further adverse events	11 (4.1%)	15 (5.2%)	19 (6.4%)	2 (0.6%)	4 (1.2%)
Number of days in hospital	13 (4.9%)	15 (5.2%)	11 (3.7%)	2 (0.6%)	3 (0.9%)
Creatinine on discharge (micromol/L)	13 (4.9%)	18 (6.3%)	14 (4.7%)	3 (0.9%)	3 (0.9%)

# ANZLKD Missing Data Report



**Table 2 Living Kidney follow-up data, 1 years**

Variable	2020	2021	2022	2023	2024
Frequency	327	260	296	290	326
Was donor still alive?	209 (63.9%)	180 (69.2%)	200 (67.6%)	218 (75.2%)	220 (67.5%)
Systolic blood pressure - maximum (mmHg)	235 (71.9%)	201 (77.3%)	224 (75.7%)	229 (79.0%)	233 (71.5%)
Diastolic blood pressure - minimum (mmHg)	236 (72.2%)	200 (76.9%)	226 (76.4%)	229 (79.0%)	233 (71.5%)
Serum Creatinine (micromol/L)	216 (66.1%)	183 (70.4%)	206 (69.6%)	221 (76.2%)	221 (67.8%)
Donor PCR Result (g/mol)	280 (85.6%)	229 (88.1%)	259 (87.5%)	264 (91.0%)	292 (89.6%)
Donor ACR Result (g/mol)	301 (92.0%)	243 (93.5%)	272 (91.9%)	274 (94.5%)	284 (87.1%)
Cigarette smoking?	224 (68.5%)	189 (72.7%)	212 (71.6%)	232 (80.0%)	235 (72.1%)
Diabetes present?	220 (67.3%)	192 (73.8%)	212 (71.6%)	227 (78.3%)	234 (71.8%)
Renal problems?	215 (65.7%)	187 (71.9%)	207 (69.9%)	225 (77.6%)	229 (70.2%)
Vascular event?	216 (66.1%)	187 (71.9%)	208 (70.3%)	225 (77.6%)	229 (70.2%)
Pregnancy since donation (females only)	267 (81.7%)	213 (81.9%)	250 (84.5%)	256 (88.3%)	266 (81.6%)

**Table 3 Living Kidney follow-up data, 2 years**

Variable	2020	2021	2022	2023	2024
Frequency	314	329	263	287	300
Was donor still alive?	211 (67.2%)	235 (71.4%)	192 (73.0%)	212 (73.9%)	229 (76.3%)
Systolic blood pressure - maximum (mmHg)	242 (77.1%)	263 (79.9%)	211 (80.2%)	225 (78.4%)	244 (81.3%)
Diastolic blood pressure - minimum (mmHg)	242 (77.1%)	263 (79.9%)	211 (80.2%)	225 (78.4%)	244 (81.3%)
Serum Creatinine (micromol/L)	224 (71.3%)	241 (73.3%)	195 (74.1%)	215 (74.9%)	230 (76.7%)
Donor PCR Result (g/mol)	285 (90.8%)	297 (90.3%)	241 (91.6%)	267 (93.0%)	275 (91.7%)
Donor ACR Result (g/mol)	290 (92.4%)	298 (90.6%)	244 (92.8%)	272 (94.8%)	277 (92.3%)
Cigarette smoking?	227 (72.3%)	250 (76.0%)	195 (74.1%)	224 (78.0%)	238 (79.3%)
Diabetes present?	226 (72.0%)	252 (76.6%)	196 (74.5%)	223 (77.7%)	234 (78.0%)
Renal problems?	223 (71.0%)	242 (73.6%)	195 (74.1%)	216 (75.3%)	232 (77.3%)
Vascular event?	222 (70.7%)	243 (73.9%)	195 (74.1%)	216 (75.3%)	233 (77.7%)
Pregnancy since donation (females only)	270 (86.0%)	277 (84.2%)	223 (84.8%)	254 (88.5%)	266 (88.7%)

**Table 4 Living Kidney follow-up data, 3 years**

Variable	2020	2021	2022	2023	2024
Frequency	330	318	325	261	286
Was donor still alive?	238 (72.1%)	244 (76.7%)	228 (70.2%)	187 (71.6%)	214 (74.8%)
Systolic blood pressure - maximum (mmHg)	265 (80.3%)	272 (85.5%)	268 (82.5%)	204 (78.2%)	222 (77.6%)
Diastolic blood pressure - minimum (mmHg)	265 (80.3%)	272 (85.5%)	268 (82.5%)	204 (78.2%)	222 (77.6%)
Serum Creatinine (micromol/L)	240 (72.7%)	250 (78.6%)	242 (74.5%)	193 (73.9%)	216 (75.5%)
Donor PCR Result (g/mol)	304 (92.1%)	296 (93.1%)	302 (92.9%)	241 (92.3%)	252 (88.1%)
Donor ACR Result (g/mol)	299 (90.6%)	296 (93.1%)	305 (93.8%)	246 (94.3%)	264 (92.3%)
Cigarette smoking?	250 (75.8%)	257 (80.8%)	250 (76.9%)	203 (77.8%)	222 (77.6%)
Diabetes present?	248 (75.2%)	256 (80.5%)	249 (76.6%)	197 (75.5%)	221 (77.3%)
Renal problems?	245 (74.2%)	250 (78.6%)	234 (72.0%)	195 (74.7%)	216 (75.5%)
Vascular event?	245 (74.2%)	250 (78.6%)	235 (72.3%)	195 (74.7%)	216 (75.5%)
Pregnancy since donation (females only)	280 (84.8%)	283 (89.0%)	275 (84.6%)	224 (85.8%)	249 (87.1%)

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**Table 5 Living Kidney follow-up data, 4 years**

Variable	2020	2021	2022	2023	2024
Frequency	337	341	304	325	266
Was donor still alive?	262 (77.7%)	264 (77.4%)	213 (70.1%)	236 (72.6%)	208 (78.2%)
Systolic blood pressure - maximum (mmHg)	277 (82.2%)	288 (84.5%)	248 (81.6%)	255 (78.5%)	215 (80.8%)
Diastolic blood pressure - minimum (mmHg)	277 (82.2%)	288 (84.5%)	248 (81.6%)	255 (78.5%)	215 (80.8%)
Serum Creatinine (micromol/L)	266 (78.9%)	270 (79.2%)	232 (76.3%)	242 (74.5%)	213 (80.1%)
Donor PCR Result (g/mol)	312 (92.6%)	323 (94.7%)	283 (93.1%)	304 (93.5%)	243 (91.4%)
Donor ACR Result (g/mol)	315 (93.5%)	315 (92.4%)	281 (92.4%)	300 (92.3%)	254 (95.5%)
Cigarette smoking?	273 (81.0%)	276 (80.9%)	227 (74.7%)	254 (78.2%)	217 (81.6%)
Diabetes present?	268 (79.5%)	275 (80.6%)	226 (74.3%)	251 (77.2%)	215 (80.8%)
Renal problems?	267 (79.2%)	271 (79.5%)	220 (72.4%)	242 (74.5%)	211 (79.3%)
Vascular event?	267 (79.2%)	271 (79.5%)	220 (72.4%)	242 (74.5%)	211 (79.3%)
Pregnancy since donation (females only)	298 (88.4%)	298 (87.4%)	264 (86.8%)	273 (84.0%)	238 (89.5%)

**Table 6 Living Kidney follow-up data, 5 years**

Variable	2020	2021	2022	2023	2024
Frequency	307	335	342	302	324
Was donor still alive?	235 (76.5%)	269 (80.3%)	240 (70.2%)	233 (77.2%)	246 (75.9%)
Systolic blood pressure - maximum (mmHg)	259 (84.4%)	282 (84.2%)	276 (80.7%)	252 (83.4%)	258 (79.6%)
Diastolic blood pressure - minimum (mmHg)	259 (84.4%)	282 (84.2%)	276 (80.7%)	252 (83.4%)	258 (79.6%)
Serum Creatinine (micromol/L)	241 (78.5%)	271 (80.9%)	262 (76.6%)	238 (78.8%)	249 (76.9%)
Donor PCR Result (g/mol)	285 (92.8%)	312 (93.1%)	315 (92.1%)	277 (91.7%)	299 (92.3%)
Donor ACR Result (g/mol)	283 (92.2%)	312 (93.1%)	316 (92.4%)	284 (94.0%)	303 (93.5%)
Cigarette smoking?	243 (79.2%)	274 (81.8%)	256 (74.9%)	254 (84.1%)	260 (80.2%)
Diabetes present?	241 (78.5%)	275 (82.1%)	259 (75.7%)	249 (82.5%)	255 (78.7%)
Renal problems?	240 (78.2%)	271 (80.9%)	247 (72.2%)	242 (80.1%)	252 (77.8%)
Vascular event?	241 (78.5%)	271 (80.9%)	246 (71.9%)	242 (80.1%)	252 (77.8%)
Pregnancy since donation (females only)	268 (87.3%)	298 (89.0%)	283 (82.7%)	271 (89.7%)	283 (87.3%)

**Table 7 Living Kidney follow-up data, 6 years**

Variable	2020	2021	2022	2023	2024
Frequency	317	297	340	337	308
Was donor still alive?	253 (79.8%)	240 (80.8%)	247 (72.6%)	258 (76.6%)	243 (78.9%)
Systolic blood pressure - maximum (mmHg)	269 (84.9%)	252 (84.8%)	280 (82.4%)	275 (81.6%)	258 (83.8%)
Diastolic blood pressure - minimum (mmHg)	269 (84.9%)	252 (84.8%)	280 (82.4%)	275 (81.6%)	258 (83.8%)
Serum Creatinine (micromol/L)	258 (81.4%)	241 (81.1%)	262 (77.1%)	259 (76.9%)	248 (80.5%)
Donor PCR Result (g/mol)	301 (95.0%)	281 (94.6%)	316 (92.9%)	313 (92.9%)	287 (93.2%)
Donor ACR Result (g/mol)	304 (95.9%)	284 (95.6%)	315 (92.6%)	317 (94.1%)	288 (93.5%)
Cigarette smoking?	254 (80.1%)	250 (84.2%)	258 (75.9%)	271 (80.4%)	259 (84.1%)
Diabetes present?	255 (80.4%)	249 (83.8%)	256 (75.3%)	270 (80.1%)	253 (82.1%)
Renal problems?	255 (80.4%)	245 (82.5%)	247 (72.6%)	264 (78.3%)	247 (80.2%)
Vascular event?	254 (80.1%)	245 (82.5%)	247 (72.6%)	265 (78.6%)	247 (80.2%)
Pregnancy since donation (females only)	277 (87.4%)	264 (88.9%)	285 (83.8%)	290 (86.1%)	277 (89.9%)

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**Table 8 Living Kidney follow-up data, 7 years**

Variable	2020	2021	2022	2023	2024
Frequency	298	319	296	338	325
Was donor still alive?	250 (83.9%)	258 (80.9%)	232 (78.4%)	265 (78.4%)	253 (77.8%)
Systolic blood pressure - maximum (mmHg)	264 (88.6%)	275 (86.2%)	255 (86.1%)	283 (83.7%)	268 (82.5%)
Diastolic blood pressure - minimum (mmHg)	264 (88.6%)	275 (86.2%)	255 (86.1%)	283 (83.7%)	268 (82.5%)
Serum Creatinine (micromol/L)	253 (84.9%)	261 (81.8%)	240 (81.1%)	270 (79.9%)	254 (78.2%)
Donor PCR Result (g/mol)	284 (95.3%)	303 (95.0%)	276 (93.2%)	318 (94.1%)	303 (93.2%)
Donor ACR Result (g/mol)	289 (97.0%)	301 (94.4%)	279 (94.3%)	320 (94.7%)	299 (92.0%)
Cigarette smoking?	260 (87.2%)	265 (83.1%)	243 (82.1%)	280 (82.8%)	267 (82.2%)
Diabetes present?	259 (86.9%)	264 (82.8%)	243 (82.1%)	274 (81.1%)	264 (81.2%)
Renal problems?	256 (85.9%)	263 (82.4%)	235 (79.4%)	270 (79.9%)	263 (80.9%)
Vascular event?	256 (85.9%)	263 (82.4%)	234 (79.1%)	271 (80.2%)	264 (81.2%)
Pregnancy since donation (females only)	273 (91.6%)	285 (89.3%)	258 (87.2%)	297 (87.9%)	284 (87.4%)

**Table 9 Living Kidney follow-up data, 8 years**

Variable	2020	2021	2022	2023	2024
Frequency	261	300	316	299	338
Was donor still alive?	217 (83.1%)	256 (85.3%)	241 (76.3%)	229 (76.6%)	269 (79.6%)
Systolic blood pressure - maximum (mmHg)	227 (87.0%)	272 (90.7%)	265 (83.9%)	250 (83.6%)	284 (84.0%)
Diastolic blood pressure - minimum (mmHg)	227 (87.0%)	272 (90.7%)	265 (83.9%)	250 (83.6%)	284 (84.0%)
Serum Creatinine (micromol/L)	221 (84.7%)	260 (86.7%)	250 (79.1%)	233 (77.9%)	272 (80.5%)
Donor PCR Result (g/mol)	251 (96.2%)	285 (95.0%)	293 (92.7%)	279 (93.3%)	317 (93.8%)
Donor ACR Result (g/mol)	244 (93.5%)	288 (96.0%)	297 (94.0%)	279 (93.3%)	315 (93.2%)
Cigarette smoking?	222 (85.1%)	264 (88.0%)	253 (80.1%)	240 (80.3%)	284 (84.0%)
Diabetes present?	220 (84.3%)	263 (87.7%)	253 (80.1%)	237 (79.3%)	280 (82.8%)
Renal problems?	219 (83.9%)	260 (86.7%)	247 (78.2%)	234 (78.3%)	278 (82.2%)
Vascular event?	219 (83.9%)	260 (86.7%)	248 (78.5%)	234 (78.3%)	277 (82.0%)
Pregnancy since donation (females only)	240 (92.0%)	277 (92.3%)	277 (87.7%)	258 (86.3%)	301 (89.1%)

**Table 10 Living Kidney follow-up data, 9 years**

Variable	2020	2021	2022	2023	2024
Frequency	281	261	299	312	301
Was donor still alive?	232 (82.6%)	223 (85.4%)	236 (78.9%)	246 (78.8%)	241 (80.1%)
Systolic blood pressure - maximum (mmHg)	242 (86.1%)	233 (89.3%)	264 (88.3%)	257 (82.4%)	254 (84.4%)
Diastolic blood pressure - minimum (mmHg)	242 (86.1%)	233 (89.3%)	264 (88.3%)	257 (82.4%)	254 (84.4%)
Serum Creatinine (micromol/L)	235 (83.6%)	224 (85.8%)	246 (82.3%)	248 (79.5%)	248 (82.4%)
Donor PCR Result (g/mol)	271 (96.4%)	249 (95.4%)	278 (93.0%)	291 (93.3%)	280 (93.0%)
Donor ACR Result (g/mol)	261 (92.9%)	248 (95.0%)	283 (94.6%)	298 (95.5%)	288 (95.7%)
Cigarette smoking?	237 (84.3%)	229 (87.7%)	249 (83.3%)	251 (80.4%)	250 (83.1%)
Diabetes present?	237 (84.3%)	226 (86.6%)	248 (82.9%)	251 (80.4%)	250 (83.1%)
Renal problems?	234 (83.3%)	225 (86.2%)	244 (81.6%)	248 (79.5%)	246 (81.7%)
Vascular event?	234 (83.3%)	226 (86.6%)	242 (80.9%)	249 (79.8%)	246 (81.7%)
Pregnancy since donation (females only)	258 (91.8%)	241 (92.3%)	272 (91.0%)	276 (88.5%)	267 (88.7%)

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**Table 11 Living Kidney follow-up data, 10 years**

Variable	2020	2021	2022	2023	2024
Frequency	318	284	261	296	312
Was donor still alive?	269 (84.6%)	240 (84.5%)	198 (75.9%)	236 (79.7%)	263 (84.3%)
Systolic blood pressure - maximum (mmHg)	277 (87.1%)	250 (88.0%)	225 (86.2%)	250 (84.5%)	272 (87.2%)
Diastolic blood pressure - minimum (mmHg)	277 (87.1%)	250 (88.0%)	225 (86.2%)	250 (84.5%)	272 (87.2%)
Serum Creatinine (micromol/L)	275 (86.5%)	246 (86.6%)	220 (84.3%)	236 (79.7%)	263 (84.3%)
Donor PCR Result (g/mol)	310 (97.5%)	274 (96.5%)	250 (95.8%)	276 (93.2%)	296 (94.9%)
Donor ACR Result (g/mol)	298 (93.7%)	267 (94.0%)	249 (95.4%)	278 (93.9%)	296 (94.9%)
Cigarette smoking?	276 (86.8%)	250 (88.0%)	211 (80.8%)	241 (81.4%)	270 (86.5%)
Diabetes present?	275 (86.5%)	250 (88.0%)	209 (80.1%)	239 (80.7%)	270 (86.5%)
Renal problems?	271 (85.2%)	246 (86.6%)	201 (77.0%)	236 (79.7%)	266 (85.3%)
Vascular event?	274 (86.2%)	246 (86.6%)	201 (77.0%)	237 (80.1%)	266 (85.3%)
Pregnancy since donation (females only)	286 (89.9%)	264 (93.0%)	228 (87.4%)	265 (89.5%)	287 (92.0%)

**Table 12 Living Kidney follow-up data, 11 years**

Variable	2020	2021	2022	2023	2024
Frequency	356	316	280	262	289
Was donor still alive?	292 (82.0%)	277 (87.7%)	216 (77.1%)	207 (79.0%)	232 (80.3%)
Systolic blood pressure - maximum (mmHg)	304 (85.4%)	289 (91.5%)	240 (85.7%)	221 (84.4%)	241 (83.4%)
Diastolic blood pressure - minimum (mmHg)	304 (85.4%)	289 (91.5%)	240 (85.7%)	221 (84.4%)	241 (83.4%)
Serum Creatinine (micromol/L)	296 (83.1%)	283 (89.6%)	234 (83.6%)	212 (80.9%)	232 (80.3%)
Donor PCR Result (g/mol)	332 (93.3%)	305 (96.5%)	267 (95.4%)	244 (93.1%)	272 (94.1%)
Donor ACR Result (g/mol)	328 (92.1%)	297 (94.0%)	264 (94.3%)	251 (95.8%)	267 (92.4%)
Cigarette smoking?	301 (84.6%)	285 (90.2%)	229 (81.8%)	212 (80.9%)	240 (83.0%)
Diabetes present?	298 (83.7%)	285 (90.2%)	229 (81.8%)	212 (80.9%)	240 (83.0%)
Renal problems?	296 (83.1%)	282 (89.2%)	219 (78.2%)	212 (80.9%)	235 (81.3%)
Vascular event?	295 (82.9%)	282 (89.2%)	219 (78.2%)	212 (80.9%)	236 (81.7%)
Pregnancy since donation (females only)	322 (90.4%)	292 (92.4%)	251 (89.6%)	229 (87.4%)	262 (90.7%)

**Table 13 Living Kidney follow-up data, 12 years**

Variable	2020	2021	2022	2023	2024
Frequency	386	351	312	284	256
Was donor still alive?	333 (86.3%)	318 (90.6%)	247 (79.2%)	220 (77.5%)	209 (81.6%)
Systolic blood pressure - maximum (mmHg)	343 (88.9%)	327 (93.2%)	280 (89.7%)	231 (81.3%)	220 (85.9%)
Diastolic blood pressure - minimum (mmHg)	343 (88.9%)	327 (93.2%)	280 (89.7%)	231 (81.3%)	220 (85.9%)
Serum Creatinine (micromol/L)	335 (86.8%)	318 (90.6%)	270 (86.5%)	227 (79.9%)	214 (83.6%)
Donor PCR Result (g/mol)	371 (96.1%)	338 (96.3%)	303 (97.1%)	264 (93.0%)	243 (94.9%)
Donor ACR Result (g/mol)	365 (94.6%)	335 (95.4%)	289 (92.6%)	264 (93.0%)	239 (93.4%)
Cigarette smoking?	339 (87.8%)	324 (92.3%)	263 (84.3%)	227 (79.9%)	219 (85.5%)
Diabetes present?	337 (87.3%)	320 (91.2%)	261 (83.7%)	226 (79.6%)	216 (84.4%)
Renal problems?	335 (86.8%)	319 (90.9%)	257 (82.4%)	223 (78.5%)	213 (83.2%)
Vascular event?	337 (87.3%)	319 (90.9%)	256 (82.1%)	224 (78.9%)	212 (82.8%)
Pregnancy since donation (females only)	356 (92.2%)	332 (94.6%)	280 (89.7%)	246 (86.6%)	238 (93.0%)

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**Table 14 Living Kidney follow-up data, 13 years**

Variable	2020	2021	2022	2023	2024
Frequency	296	382	352	313	282
Was donor still alive?	241 (81.4%)	334 (87.4%)	278 (79.0%)	254 (81.2%)	218 (77.3%)
Systolic blood pressure - maximum (mmHg)	251 (84.8%)	348 (91.1%)	315 (89.5%)	271 (86.6%)	224 (79.4%)
Diastolic blood pressure - minimum (mmHg)	251 (84.8%)	348 (91.1%)	315 (89.5%)	271 (86.6%)	224 (79.4%)
Serum Creatinine (micromol/L)	245 (82.8%)	337 (88.2%)	310 (88.1%)	260 (83.1%)	223 (79.1%)
Donor PCR Result (g/mol)	283 (95.6%)	366 (95.8%)	336 (95.5%)	288 (92.0%)	266 (94.3%)
Donor ACR Result (g/mol)	276 (93.2%)	363 (95.0%)	334 (94.9%)	282 (90.1%)	257 (91.1%)
Cigarette smoking?	246 (83.1%)	341 (89.3%)	292 (83.0%)	263 (84.0%)	228 (80.9%)
Diabetes present?	245 (82.8%)	339 (88.7%)	292 (83.0%)	260 (83.1%)	224 (79.4%)
Renal problems?	244 (82.4%)	337 (88.2%)	284 (80.7%)	260 (83.1%)	221 (78.4%)
Vascular event?	244 (82.4%)	338 (88.5%)	284 (80.7%)	259 (82.7%)	222 (78.7%)
Pregnancy since donation (females only)	257 (86.8%)	356 (93.2%)	306 (86.9%)	277 (88.5%)	248 (87.9%)

**Table 15 Living Kidney follow-up data, 14 years**

Variable	2020	2021	2022	2023	2024
Frequency	291	291	383	350	310
Was donor still alive?	249 (85.6%)	254 (87.3%)	299 (78.1%)	274 (78.3%)	266 (85.8%)
Systolic blood pressure - maximum (mmHg)	253 (86.9%)	267 (91.8%)	338 (88.3%)	286 (81.7%)	274 (88.4%)
Diastolic blood pressure - minimum (mmHg)	253 (86.9%)	267 (91.8%)	338 (88.3%)	286 (81.7%)	274 (88.4%)
Serum Creatinine (micromol/L)	250 (85.9%)	255 (87.6%)	326 (85.1%)	281 (80.3%)	270 (87.1%)
Donor PCR Result (g/mol)	277 (95.2%)	282 (96.9%)	363 (94.8%)	323 (92.3%)	297 (95.8%)
Donor ACR Result (g/mol)	276 (94.8%)	277 (95.2%)	362 (94.5%)	321 (91.7%)	288 (92.9%)
Cigarette smoking?	252 (86.6%)	260 (89.3%)	314 (82.0%)	280 (80.0%)	277 (89.4%)
Diabetes present?	251 (86.3%)	257 (88.3%)	314 (82.0%)	278 (79.4%)	274 (88.4%)
Renal problems?	250 (85.9%)	256 (88.0%)	306 (79.9%)	278 (79.4%)	273 (88.1%)
Vascular event?	251 (86.3%)	257 (88.3%)	307 (80.2%)	278 (79.4%)	271 (87.4%)
Pregnancy since donation (females only)	268 (92.1%)	265 (91.1%)	343 (89.6%)	310 (88.6%)	289 (93.2%)

**Table 16 Living Kidney follow-up data, 15 years**

Variable	2020	2021	2022	2023	2024
Frequency	251	292	294	381	348
Was donor still alive?	214 (85.3%)	246 (84.2%)	228 (77.6%)	309 (81.1%)	288 (82.8%)
Systolic blood pressure - maximum (mmHg)	223 (88.8%)	255 (87.3%)	265 (90.1%)	322 (84.5%)	295 (84.8%)
Diastolic blood pressure - minimum (mmHg)	223 (88.8%)	255 (87.3%)	265 (90.1%)	322 (84.5%)	295 (84.8%)
Serum Creatinine (micromol/L)	216 (86.1%)	251 (86.0%)	252 (85.7%)	313 (82.2%)	290 (83.3%)
Donor PCR Result (g/mol)	245 (97.6%)	284 (97.3%)	283 (96.3%)	356 (93.4%)	325 (93.4%)
Donor ACR Result (g/mol)	237 (94.4%)	274 (93.8%)	278 (94.6%)	345 (90.6%)	323 (92.8%)
Cigarette smoking?	221 (88.0%)	251 (86.0%)	235 (79.9%)	313 (82.2%)	300 (86.2%)
Diabetes present?	219 (87.3%)	250 (85.6%)	234 (79.6%)	313 (82.2%)	293 (84.2%)
Renal problems?	216 (86.1%)	247 (84.6%)	230 (78.2%)	312 (81.9%)	291 (83.6%)
Vascular event?	218 (86.9%)	248 (84.9%)	229 (77.9%)	312 (81.9%)	290 (83.3%)
Pregnancy since donation (females only)	234 (93.2%)	260 (89.0%)	252 (85.7%)	345 (90.6%)	309 (88.8%)

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**Table 17 Living Kidney follow-up data, 16 years**

Variable	2020	2021	2022	2023	2024
Frequency	240	254	292	286	384
Was donor still alive?	207 (86.2%)	222 (87.4%)	236 (80.8%)	229 (80.1%)	313 (81.5%)
Systolic blood pressure - maximum (mmHg)	218 (90.8%)	234 (92.1%)	262 (89.7%)	242 (84.6%)	333 (86.7%)
Diastolic blood pressure - minimum (mmHg)	218 (90.8%)	234 (92.1%)	262 (89.7%)	242 (84.6%)	333 (86.7%)
Serum Creatinine (micromol/L)	210 (87.5%)	229 (90.2%)	253 (86.6%)	234 (81.8%)	320 (83.3%)
Donor PCR Result (g/mol)	230 (95.8%)	246 (96.9%)	284 (97.3%)	271 (94.8%)	361 (94.0%)
Donor ACR Result (g/mol)	227 (94.6%)	245 (96.5%)	273 (93.5%)	268 (93.7%)	353 (91.9%)
Cigarette smoking?	211 (87.9%)	226 (89.0%)	245 (83.9%)	236 (82.5%)	324 (84.4%)
Diabetes present?	210 (87.5%)	224 (88.2%)	243 (83.2%)	233 (81.5%)	322 (83.9%)
Renal problems?	210 (87.5%)	223 (87.8%)	239 (81.8%)	231 (80.8%)	322 (83.9%)
Vascular event?	211 (87.9%)	225 (88.6%)	239 (81.8%)	233 (81.5%)	323 (84.1%)
Pregnancy since donation (females only)	223 (92.9%)	236 (92.9%)	258 (88.4%)	253 (88.5%)	354 (92.2%)

**Table 18 Living Kidney follow-up data, 17 years**

Variable	2020	2021	2022	2023	2024
Frequency	46	237	252	290	286
Was donor still alive?	37 (80.4%)	214 (90.3%)	206 (81.7%)	236 (81.4%)	238 (83.2%)
Systolic blood pressure - maximum (mmHg)	38 (82.6%)	218 (92.0%)	225 (89.3%)	249 (85.9%)	249 (87.1%)
Diastolic blood pressure - minimum (mmHg)	38 (82.6%)	218 (92.0%)	225 (89.3%)	249 (85.9%)	249 (87.1%)
Serum Creatinine (micromol/L)	38 (82.6%)	218 (92.0%)	216 (85.7%)	240 (82.8%)	240 (83.9%)
Donor PCR Result (g/mol)	45 (97.8%)	228 (96.2%)	238 (94.4%)	273 (94.1%)	273 (95.5%)
Donor ACR Result (g/mol)	43 (93.5%)	228 (96.2%)	239 (94.8%)	271 (93.4%)	261 (91.3%)
Cigarette smoking?	37 (80.4%)	215 (90.7%)	213 (84.5%)	241 (83.1%)	245 (85.7%)
Diabetes present?	37 (80.4%)	215 (90.7%)	212 (84.1%)	239 (82.4%)	243 (85.0%)
Renal problems?	37 (80.4%)	214 (90.3%)	208 (82.5%)	239 (82.4%)	242 (84.6%)
Vascular event?	37 (80.4%)	214 (90.3%)	207 (82.1%)	240 (82.8%)	242 (84.6%)
Pregnancy since donation (females only)	41 (89.1%)	223 (94.1%)	229 (90.9%)	252 (86.9%)	259 (90.6%)

**Table 19 Living Kidney follow-up data, 18 years**

Variable	2020	2021	2022	2023	2024
Frequency	27	47	231	255	294
Was donor still alive?	18 (66.7%)	36 (76.6%)	193 (83.5%)	196 (76.9%)	236 (80.3%)
Systolic blood pressure - maximum (mmHg)	19 (70.4%)	37 (78.7%)	212 (91.8%)	211 (82.7%)	247 (84.0%)
Diastolic blood pressure - minimum (mmHg)	19 (70.4%)	37 (78.7%)	212 (91.8%)	211 (82.7%)	247 (84.0%)
Serum Creatinine (micromol/L)	18 (66.7%)	36 (76.6%)	206 (89.2%)	199 (78.0%)	238 (81.0%)
Donor PCR Result (g/mol)	27 (100.0%)	47 (100.0%)	222 (96.1%)	238 (93.3%)	277 (94.2%)
Donor ACR Result (g/mol)	26 (96.3%)	38 (80.9%)	223 (96.5%)	238 (93.3%)	269 (91.5%)
Cigarette smoking?	20 (74.1%)	37 (78.7%)	199 (86.1%)	206 (80.8%)	246 (83.7%)
Diabetes present?	20 (74.1%)	37 (78.7%)	198 (85.7%)	203 (79.6%)	244 (83.0%)
Renal problems?	19 (70.4%)	36 (76.6%)	195 (84.4%)	202 (79.2%)	241 (82.0%)
Vascular event?	19 (70.4%)	37 (78.7%)	194 (84.0%)	202 (79.2%)	239 (81.3%)
Pregnancy since donation (females only)	24 (88.9%)	39 (83.0%)	207 (89.6%)	226 (88.6%)	266 (90.5%)

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**Table 20 Living Kidney follow-up data, 19 years**

Variable	2020	2021	2022	2023	2024
Frequency	25	27	48	232	252
Was donor still alive?	14 (56.0%)	19 (70.4%)	38 (79.2%)	195 (84.1%)	204 (81.0%)
Systolic blood pressure - maximum (mmHg)	17 (68.0%)	21 (77.8%)	41 (85.4%)	203 (87.5%)	211 (83.7%)
Diastolic blood pressure - minimum (mmHg)	17 (68.0%)	21 (77.8%)	41 (85.4%)	203 (87.5%)	211 (83.7%)
Serum Creatinine (micromol/L)	15 (60.0%)	19 (70.4%)	38 (79.2%)	197 (84.9%)	204 (81.0%)
Donor PCR Result (g/mol)	24 (96.0%)	26 (96.3%)	46 (95.8%)	222 (95.7%)	233 (92.5%)
Donor ACR Result (g/mol)	23 (92.0%)	25 (92.6%)	44 (91.7%)	219 (94.4%)	235 (93.3%)
Cigarette smoking?	16 (64.0%)	21 (77.8%)	39 (81.2%)	200 (86.2%)	207 (82.1%)
Diabetes present?	16 (64.0%)	21 (77.8%)	39 (81.2%)	198 (85.3%)	206 (81.7%)
Renal problems?	15 (60.0%)	20 (74.1%)	38 (79.2%)	196 (84.5%)	205 (81.3%)
Vascular event?	16 (64.0%)	20 (74.1%)	38 (79.2%)	197 (84.9%)	206 (81.7%)
Pregnancy since donation (females only)	21 (84.0%)	24 (88.9%)	43 (89.6%)	214 (92.2%)	224 (88.9%)

**Table 21 Living Kidney follow-up data, 20 years**

Variable	2020	2021	2022	2023	2024
Frequency	21	27	30	47	233
Was donor still alive?	16 (76.2%)	22 (81.5%)	20 (66.7%)	37 (78.7%)	197 (84.5%)
Systolic blood pressure - maximum (mmHg)	18 (85.7%)	24 (88.9%)	23 (76.7%)	38 (80.9%)	205 (88.0%)
Diastolic blood pressure - minimum (mmHg)	18 (85.7%)	24 (88.9%)	23 (76.7%)	38 (80.9%)	205 (88.0%)
Serum Creatinine (micromol/L)	17 (81.0%)	23 (85.2%)	21 (70.0%)	39 (83.0%)	201 (86.3%)
Donor PCR Result (g/mol)	20 (95.2%)	26 (96.3%)	28 (93.3%)	45 (95.7%)	223 (95.7%)
Donor ACR Result (g/mol)	21 (100.0%)	27 (100.0%)	27 (90.0%)	44 (93.6%)	222 (95.3%)
Cigarette smoking?	17 (81.0%)	23 (85.2%)	21 (70.0%)	38 (80.9%)	206 (88.4%)
Diabetes present?	17 (81.0%)	23 (85.2%)	21 (70.0%)	38 (80.9%)	203 (87.1%)
Renal problems?	17 (81.0%)	21 (77.8%)	21 (70.0%)	38 (80.9%)	200 (85.8%)
Vascular event?	17 (81.0%)	21 (77.8%)	21 (70.0%)	38 (80.9%)	201 (86.3%)
Pregnancy since donation (females only)	18 (85.7%)	24 (88.9%)	25 (83.3%)	43 (91.5%)	216 (92.7%)