**Appendix S1**: **Differences in study centres with respect to sociodemographic and clinical variables**

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| --- | --- | --- | --- | --- | --- | --- |
| **Variable**  **(Prevalence category)** | **A (n=43)**  **(Low Prev.)** | **B (n=73)**  **(High Prev.)** | **C (n=61)**  **(Low Prev.)** | **D (n=65)**  **(Med. Prev.)** | **E (n=64)**  **(Med. Prev.)** | **p-value** |
| **Group**  In-centre  Home HD | 39 (90.7%)  4 (9.3%) | 38 (52.1%)  35 (47.9%) | 50 (82.0%)  11 (18.0%) | 43 (66.2%)  22 (33.8%) | 43 (67.2%)  21 (32.8%) | <0.0011 |
| **Age** – Mean (SD) | 57.84 (15.71) | 50.45 (13.32) | 55.72 (12.63) | 55.49 (13.68) | 56.53 (14.59) | 0.0332 |
| **Ethnicity** – Non-white | 3/42 (7.1%) | 17 (23.3%) | 3 (4.9%) | 11 (16.9%) | 3 (4.7%) | 0.0022 |
| **Gender** – Female | 17 (39.5%) | 24 (32.9%) | 23 (37.7%) | 16 (24.6%) | 18 (28.1%) | 0.391 |
| **Education**  Post-high school | 12/42 (28.6%) | 33/69 (47.8%) | 1/54 (1.9%) | 13/64 (20.3%) | 18 (28.1%) | <0.0011 |
| **Employment**  Retired  Unemployed  Salaried/self-employed | 22 (51.2%)  14 (32.6%)  7 (16.3%) | 26 (36.6%)  25 (35.2%)  20 (28.2%) | 19 (31.1%)  13 (21.3%)  29 (47.5%) | 26 (40.6%)  28 (43.8%)  10 (15.6%) | 35 (54.7%)  17 (26.6%)  12 (18.8%) | <0.0011 |
| **IMD rank**  Median (IQR) | 18253 (7612-25548) | 11062 (3233-23682) | 19228 (9379-25517) | 10630 (4161-18346) | 11344 (5397-22670) | 0.0043 |
| **IMD – quintile**  1 (least deprived)  2  3  4  5 (most deprived) | 9 (20.9%)  12 (27.9%)  6 (14.0%)  8 (18.6%)  8 (18.6%) | 14 (19.2%)  9 (12.3%)  10 (13.7%)  14 (19.2%)  26 (35.6%) | 13 (21.3%)  17 (27.9%)  14 (23.0%)  8 (13.1%)  9 (14.8%) | 6 (9.2%)  7 (10.8%)  14 (21.5%)  16 (24.6%)  22 (33.8%) | 11 (17.2%)  9 (14.1%)  10 (15.6%)  14 (21.9%)  20 (31.3%) | 0.0571 |
| **CCI**  Median (IQR) | 5.0 (3.0-6.0) | 4.0 (3.0-5.0) | 4.0 (2.0-5.3) | 4.0 (3.0-6.0) | 4.0 (3.0-6.0) | 0.493 |
| **Training centre dist.** Median (IQR) | 4.2 (3.6-13.4) | 9.6 (6.4-13.1) | 15.1 (7.5-26.0) | 12.3 (7.6-15.6) | 7.0 (4.9-15.1) | <0.0013 |
| **Partner employment**  Retired  Unemployed  Salaried/self-employed | 12 (63.2%)  1 (5.3%)  6 (31.6%) | 14 (29.8%)  10 (21.3%)  23 (48.9%) | 15 (45.5%)  3 (9.1%)  15 (45.5%) | 17 (51.5%)  4 (12.1%)  12 (36.4%) | 21 (56.8%)  5 (13.5%)  11 (29.7%) | 0.191 |
| **BMI**  Median (IQR) | 24.9 (21.7-32.3) | 26.1 (24.1-30.4) | 26.8 (22.2-33.2) | 26.6 (22.7-30.9) | 27.0 (24.5-32.3) | 0.723 |
| **Accommodation**  Home owner  Living with parents  Rental/friend/Res. home | 29 (67.4%)  4 (9.3%)  10 (23.3%) | n=72  42 (58.3%)  8 (11.1%)  22 (30.6%) | n=58  50 (86.2%)  0 (0%)  8 (13.8%) | 36 (55.4%)  6 (9.2%)  23 (35.4%) | 33 (51.6%)  5 (7.8%)  26 (40.6%) | 0.0051 |
| **Marital status**  Married or partner  Single  Divorced or separated  Widowed | 22 (51.2%)  14 (32.6%)  3 (7.0%)  4 (9.3%) | 48 (65.8%)  17 (23.3%)  4 (5.5%)  4 (5.5%) | 40 (65.6%)  13 (21.3%)  6 (9.8%)  2 (3.3%) | 34 (52.3%)  17 (26.2%)  9 (13.8%)  5 (7.7%) | 37 (57.8%)  12 (18.8%)  10 (15.6%)  5 (7.8%) | 0.311\* |
| **Childcare**  >18 yrs; independent  <18 / >18yrs(dependent)  No children | 26 (61.9%)  4 (9.5%)  12 (28.6%) | 28 (39.4%)  14 (19.7%)  29 (40.8%) | 21 (38.2%)  6 (10.9%)  28 (50.9%) | 30 (52.6%)  12 (21.1%)  15 (26.3%) | 36 (58.1%)  11 (17.7%)  15 (24.2%) | 0.0271 |
| **Smoking status**  Never smoked  Ex-smoker  Current | 40 (93.0%)  1 (2.3%)  2 (4.7%) | 43 (59.7%)  18 (25.0%)  11 (15.3%) | 33 (57.9%)  19 (33.3%)  5 (8.8%) | 28 (43.8%)  26 (40.6%)  10 (15.6%) | 31 (48.4%)  21 (32.8%)  12 (18.8%) | <0.0011 |
| **Mobility**  Independent  Walking Aid/Limited  Wheelchair Bound | 34 (79.1%)  7 (16.3%)  2 (4.7%) | 65 (89.0%)  5 (6.8%)  3 (4.1%) | 51 (83.6%)  6 (9.8%)  4 (6.6%) | 47 (72.3%)  13 (20.0%)  5 (7.7%) | 42 (65.6%)  16 (25.0%)  6 (9.4%) | 0.0101\*\* |
| **Cause of ESRD**  Hypertension  Diabetic Nephropathy  Glomerulonephritis  Polycystic Kidneys  Renovascular Disease  Chronic Pyelonephritis  Others  Unknown | 7 (16.7%)  8 (19.0%)  4 (9.5%)  9 (21.4%)  1 (2.4%)  4 (9.5%)  2 (4.8%)  7 (16.7%) | 6 (8.2%)  12 (16.4%)  12 (16.4%)  14 (19.2%)  0 (0%)  6 (8.2%)  19 (26.0%)  4 (5.5%) | 5 (8.2%)  17 (27.9%)  17 (27.9%)  4 (6.6%)  1 (1.6%)  1 (1.6%)  9 (14.8%)  7 (11.5%) | 6 (9.2%)  9 (13.8%)  4 (6.2%)  6 (9.2%)  2 (3.1%)  7 (10.8%)  13 (20.0%)  18 (27.7%) | 0 (0%)  11 (17.2%)  12 (18.8%)  9 (14.1%)  5 (7.8%)  3 (4.7%)  12 (18.8%)  12 (18.8%) | <0.0011 |
| **HD vintage (in years)** Median (IQR) | 2.28 (0.96-4.03) | 2.35 (0.97-5.10) | 1.62 (0.52-4.58) | 1.62 (0.84-4.45) | 3.43 (1.94-5.69) | 0.0253 |
| **Previous PD** | 10 (23.3%) | 24 (32.9%) | 17 (27.9%) | 15 (23.1%) | 26 (40.6%) | 0.181 |
| **Previous Transplant** | 9/42 (21.4%) | 19 (26.0%) | 23 (37.7%) | 14 (21.5%) | 19 (29.7%) | 0.251 |
| **Vision**  Blind or poor vision | 11/42 (26.2%) | 6 (8.2%) | 11 (18.0%) | 10/64 (15.6%) | 9/63 (14.3%) | 0.141 |
| **Diabetes** | 11/42 (26.2%) | 18 (24.7%) | 16 (26.2%) | 18/63 (28.6%) | 14 (21.9%) | 0.941 |
| **Heart failure** | 2 (4.7%) | 5 (6.8%) | 0 (0%) | 3 (4.6%) | 4 (6.3%) | N/A\*\*\* |
| **Solid organ malignancy** | 4 (9.3%) | 10 (13.7%) | 3 (4.9%) | 11 (16.9%) | 7 (10.9%) | 0.281 |
| **Intra cranial events**  (stroke, TIA or bleed) | 7 (16.3%) | 6 (8.2%) | 2 (3.3%) | 10 (15.4%) | 3 (4.7%) | 0.0441 |
| **Caregiver –** alone | 14/42 (33.3%) | 16 (21.9%) | 17/56 (30.4%) | 10/60 (16.7%) | 23 (35.9%) | 0.0931 |

1Chi-squared test 2One-way ANOVA 3Kruskal-Wallis test

\*As married or partner vs other three groups due to small expected frequencies

\*\*As independent vs other two groups due to small expected frequencies

\*\*\*Too few numbers to assess formally (p>0.05 from chi-squared test where assumptions about expected frequencies are broken)