**Supplemental material**

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| **Supplemental Table 1: ICD-, procedure- and ATC-codes used to define comorbidities and outcome in the study population**   |
| **Diagnosis**   | **Type\***  | **Codes**  |
| **Comorbidities:**  |
| Cancer  | ICD-10 ICD-8  | DC00-DC97 109-140  |
| Diabetes  | ATC  | A10  |
| Hypertension  | ICD-10 ICD-8  | DI10-DI15 40009, 40019, 40029, 40039, 40099, 40199, 40299, 40399, 40499  |
| Chronic Obstructive Lung Disease  | ICD-10 ICD-8  | DJ42-DJ44 49100-49104, 49108, 49109, 49200,49201, 49208, 49209  |
| Cardiac Implantable Electronic Device  | NOMESCO  | BFCA0, BFCB0  |
| Prosthetic heart valve  | NOMESCO  | KFJF, KFKD, KFKH, KFMD, KFMH, KFGE  |
| Atrial Flutter  | ICD-10 ICD-8  | DI48 42793, 42794  |
| Chronic Kidney Disease  | ICD-10     ICD-8  | DN02-DN08, DN11, DN12, DN14, DN18, DN19, DN26, DN158-DN164, DN168, DQ61, DE112, DE132, DE142, DE120, DM321B, DQ612, DQ613, DQ615, DQ619 24902, 25002, 58200-58202, 58208, 58209, 58300-58302, 58308, 58309, 58499, 59009, 59320, 75310, 75311, 75319, 79299, 40399, 40499, 44609, 44629  |
| **Cardiovascular disease:**  |
| Heart Failure  | ICD-10 ICD-8  | DI42, DI50, DJ81 42599, 42709, 42710, 42711, 42719  |
| Ischemic Heart Disease  | ICD-10 ICD-8  | DI20-DI25 41009, 41099, 41109, 41199, 41209, 41299, 41309, 41399, 41409, 41499  |
| Peripheral Arterial Disease  | ICD-10 ICD-8  | DI70 44009, 44019, 44020, 4021, 44028, 44029, 44030, 44039, 44099  |
| **Infective disease:**  |
| Endocarditis  | ICD-10  | DI33, DI330, DI38, DI389, DI339, DI39, DI398  |
| Sepsis  | ICD-10  | DA40, DA41, DA499A, DR572  |
| Pneumonia  | ICD-10  | DJ13, DJ14, DJ15, DJ18  |
| \*ICD: International Classification of diseases, NOMESCO: The Nordic Medico-Statistical Committee, ATC: Anatomical Therapeutic Chemical  |

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| Supplemental table 2: Test of overdispersion |
|  | Dialysis modality | Dispersion value | p-value |
| CVD | PD | 0.971 | <0.001 |
| HD | 0.963 | <0.001 |
| Pneumonia | PD | 1.034 | <0.001 |
| HD | 1.065 | 0.02 |
| IE | PD | 0.970 | 0.01 |
| HD | 0.966 | <0.001 |
| Sepsis | PD | 0.997 | 0.04 |
| HD | 0.991 | <0.001 |
| *P-value <0.05 is considered significant.* *CVD = cardiovascular disease; IE = infective endocarditis; HD = hemodialysis; PD = peritoneal dialysis* |

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| Supplemental table 3: Secondary diagnosis among PD and HD on the same admission as their IE or pneumonia as primary diagnosis |
| Secondary diagnosis | Patients with primary diagnosis Infective Endocarditis (IE) | Patients with primary diagnosis Pneumonia |
|  | Peritoneal dialysis | Hemodialysis | Peritoneal dialysis | Hemodialysis |
| Pneumonia (%) | < 3% | < 3% | - | - |
| Sepsis (%) | < 3% | < 3 % | 4% | 5% |
| IE (%) | - | - | < 3% | < 3% |
| *IE = infective endocarditis; % = percentage of; PD = peritoneal dialysis; HD = hemodialysis* |

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| Supplemental table 4: Number of events of CVD, pneumonia, infective endocarditis (IE) and sepsis among kidney transplant patients. |
| Outcome (N) | **Calendar period (years)** |
|  | 1996-2000(n = 721) | 2001-2005(n = 818) | 2006-2009(n=511) | 2010-2013(n=693) | 2014-2017(n=579) |
| CVD | 8  | 11 | 13 | 17 | 6 |
| Pneumonia | < 3 | 11 | 7 | < 3 | <3 |
| IE | < 3 | < 3 | < 3 | < 3 | < 3 |
| Sepsis | < 3 | <3 | 4 | 15 | 22 |
| *N = number of events; CVD = cardiovascular disease, IE = infective endocarditis; n= number of patients initiating a kidney transplant process*  |

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***Supplemental Figure 1:*** *Each calendar period has been analyzed separately. Rate ratios have been adjusted for age, gender and calendar period. CI = confidence interval*