### Supplemental Table 4. Diagnostic accuracy of the criteria for eGFRc changes when estimating ESRD in subgroups

| Change in eGFRc | Subgroups |  |  |  |  |  |  |  |  |
|-----------------|-----------|---|---|---|---|---|---|---|---|
|                 | SEh | SPF | PPV | NPV | DOR | ACC | SEh | SPF | PPV | NPV | DOR | ACC |
| 6.0% (10.0%)    |     |     |     |     |     |     |     |     |     |     |     |     |
| Age < 65 yr     |     |     |     |     |     |     |     |     |     |     |     |     |
| Age ≥ 65 yr     |     |     |     |     |     |     |     |     |     |     |     |     |
| Female sex      |     |     |     |     |     |     |     |     |     |     |     |     |
| Male sex        |     |     |     |     |     |     |     |     |     |     |     |     |
| No DM           |     |     |     |     |     |     |     |     |     |     |     |     |
| DM              |     |     |     |     |     |     |     |     |     |     |     |     |
| eGFR ≥ 60 mL/min/1.73 m² |     |     |     |     |     |     |     |     |     |     |     |     |
| eGFR < 60 mL/min/1.73 m² |     |     |     |     |     |     |     |     |     |     |     |     |
| Proteinuria ≥ 1+|     |     |     |     |     |     |     |     |     |     |     |     |
| 20.0%           |     |     |     |     |     |     |     |     |     |     |     |     |
| Age < 65 yr     |     |     |     |     |     |     |     |     |     |     |     |     |
| Age ≥ 65 yr     |     |     |     |     |     |     |     |     |     |     |     |     |
| Female sex      |     |     |     |     |     |     |     |     |     |     |     |     |
| Male sex        |     |     |     |     |     |     |     |     |     |     |     |     |
| No DM           |     |     |     |     |     |     |     |     |     |     |     |     |
| DM              |     |     |     |     |     |     |     |     |     |     |     |     |
| eGFR ≥ 60 mL/min/1.73 m² |     |     |     |     |     |     |     |     |     |     |     |     |
| eGFR < 60 mL/min/1.73 m² |     |     |     |     |     |     |     |     |     |     |     |     |
| Proteinuria ≥ 1+|     |     |     |     |     |     |     |     |     |     |     |     |
| 30.0%           |     |     |     |     |     |     |     |     |     |     |     |     |
| Age < 65 yr     |     |     |     |     |     |     |     |     |     |     |     |     |
| Age ≥ 65 yr     |     |     |     |     |     |     |     |     |     |     |     |     |
| Female sex      |     |     |     |     |     |     |     |     |     |     |     |     |
| Male sex        |     |     |     |     |     |     |     |     |     |     |     |     |
| No DM           |     |     |     |     |     |     |     |     |     |     |     |     |
| DM              |     |     |     |     |     |     |     |     |     |     |     |     |
| eGFR ≥ 60 mL/min/1.73 m² |     |     |     |     |     |     |     |     |     |     |     |     |
| eGFR < 60 mL/min/1.73 m² |     |     |     |     |     |     |     |     |     |     |     |     |
| Proteinuria ≥ 1+|     |     |     |     |     |     |     |     |     |     |     |     |

(Continued to the next page)
### Supplemental Table 4. Continued

| Change in eGFRc | Subgroups | YR1 group | | | YR3 group | | |
|----------------|-----------|-----------|---|---|---|---|---|
|                | SEN  | SPF  | PPV | NPV | DOR | ACC | SEN  | SPF  | PPV | NPV | DOR | ACC |
| 40.0%          | Age < 65 yr | 0.063 | 0.997 | 0.036 | 0.998 | 19.807 | 0.995 | 0.455 | 0.997 | 0.147 | 0.999 | 238.592 | 0.996 |
|                | Age ≥ 65 yr | 0.100 | 0.995 | 0.091 | 0.995 | 20.967 | 0.990 | 0.250 | 0.993 | 0.133 | 0.997 | 46.333 | 0.990 |
|                | Female sex | 0.182 | 0.995 | 0.095 | 0.998 | 46.339 | 0.993 | 0.455 | 0.994 | 0.179 | 0.999 | 149.964 | 0.993 |
|                | Male sex | 0.000 | 0.997 | 0.000 | 0.997 | 0.000 | 0.994 | 0.250 | 0.997 | 0.095 | 0.999 | 104.754 | 0.996 |
|                | No DM | 0.091 | 0.996 | 0.029 | 0.999 | 26.852 | 0.995 | 0.300 | 0.997 | 0.094 | 0.999 | 133.773 | 0.996 |
|                | DM | 0.067 | 0.996 | 0.200 | 0.987 | 18.464 | 0.983 | 0.444 | 0.988 | 0.235 | 0.995 | 63.631 | 0.983 |
|                | eGFR ≥ 60 mL/min/1.73 m² | 0.071 | 0.997 | 0.029 | 0.999 | 22.727 | 0.995 | 0.300 | 0.996 | 0.079 | 0.999 | 121.873 | 0.996 |
|                | eGFR < 60 mL/min/1.73 m² | 0.083 | 0.975 | 0.200 | 0.935 | 3.614 | 0.914 | 0.444 | 0.957 | 0.364 | 0.969 | 17.943 | 0.931 |
|                | No proteinuria | 0.000 | 0.996 | 0.000 | 0.999 | 0.000 | 0.995 | 0.000 | 0.997 | 0.000 | 0.999 | 0.000 | 0.996 |
|                | Proteinuria ≥ 1+ | 0.118 | 0.996 | 0.250 | 0.989 | 30.378 | 0.985 | 0.500 | 0.991 | 0.389 | 0.995 | 115.273 | 0.986 |
| 57.0%          | Age < 65 yr | 0.000 | 1.000 | 0.000 | 0.998 | 0.000 | 0.998 | 0.182 | 1.000 | 0.500 | 0.999 | 925.556 | 0.999 |
|                | Age ≥ 65 yr | 0.100 | 1.000 | 1.000 | 0.995 | UC | 0.995 | 0.000 | 0.999 | 0.000 | 0.996 | 0.000 | 0.995 |
|                | Female sex | 0.091 | 0.999 | 0.333 | 0.997 | 198.950 | 0.997 | 0.091 | 1.000 | 0.333 | 0.998 | 208.000 | 0.997 |
|                | Male sex | 0.000 | 1.000 | 0.000 | 0.997 | 0.000 | 0.999 | 0.125 | 1.000 | 0.333 | 0.999 | 427.714 | 0.998 |
|                | No DM | 0.091 | 1.000 | 0.250 | 0.999 | 296.367 | 0.999 | 0.000 | 1.000 | UC | 0.999 | UC | 0.999 |
|                | DM | 0.000 | 0.999 | 0.000 | 0.986 | 0.000 | 0.985 | 0.222 | 0.996 | 0.333 | 0.993 | 74.500 | 0.990 |
|                | eGFR ≥ 60 mL/min/1.73 m² | 0.000 | 1.000 | 0.000 | 0.999 | 0.000 | 0.998 | 0.200 | 1.000 | 0.400 | 0.999 | 832.083 | 0.999 |
|                | eGFR < 60 mL/min/1.73 m² | 0.083 | 0.994 | 0.500 | 0.936 | 14.727 | 0.931 | 0.000 | 0.994 | 0.000 | 0.948 | 0.000 | 0.942 |
|                | No proteinuria | 0.000 | 1.000 | 0.000 | 0.999 | 0.000 | 0.999 | 0.000 | 1.000 | 0.000 | 0.999 | 0.000 | 0.999 |
|                | Proteinuria ≥ 1+ | 0.059 | 0.999 | 0.500 | 0.988 | 85.750 | 0.988 | 0.143 | 0.998 | 0.500 | 0.991 | 106.417 | 0.989 |

ACC, diagnostic accuracy; DM, diabetes mellitus; DOR, diagnostic odds ratio; eGFR, estimated glomerular filtration rate; eGFRc, eGFR by the 2009 Chronic Kidney Disease-Epidemiology Collaboration creatinine equation; NPV, negative predictive value; PPV, positive predictive value; SEN, sensitivity; SPF, specificity; UC, uncalculable; YR1, 1-year eGFR group; YR3, 3-year eGFR group.