Supplementary Table 1: Balance of mean and standardized differences of factors after IPTW for survival benefit analysis

| Factor                        | Waitlisted | Transplanted | Standardized Difference |
|-------------------------------|------------|--------------|-------------------------|
| Age at listing                | 52.8       | 52.8         | 0.001                   |
| Female gender                 | 41.9%      | 41.5%        | -0.005                  |
| Race and Ethnicity            |            |              |                         |
| Non-Hispanic White            | 31.3%      | 31.3%        | 0.001                   |
| Black                         | 44.6%      | 44.5%        | -0.002                  |
| Asian                         | 4.4%       | 4.5%         | 0.001                   |
| Hispanic White                | 16.7%      | 16.7%        | 0.001                   |
| others                        | 3.0%       | 3.0%         | -0.002                  |
| BMI                           | 28.4%      | 28.4%        | -0.000                  |
| Blood type                    |            |              |                         |
| O                             | 51.4%      | 50.6%        | -0.001                  |
| A                             | 28.6%      | 29.3%        | 0.002                   |
| B                             | 16.2%      | 16.3%        | -0.001                  |
| AB                            | 3.8%       | 3.8%         | -0.002                  |
| Primary ESRD Diagnosis        |            |              |                         |
| DM                            | 41.1%      | 41.2%        | 0.001                   |
| HTN                           | 28.2%      | 28.3%        | 0.001                   |
| GN                            | 19.4%      | 19.3%        | -0.003                  |
| PKD                           | 3.4%       | 3.4%         | -0.000                  |
| others                        | 7.8%       | 7.8%         | 0.000                   |
| Dialysis vintage              | 2.54       | 2.54         | -0.001                  |
| PRA                           | 21.9       | 21.8         | -0.003                  |