**Additional File 3**

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| **Sensitivity analysis by caliper widths: The number of participants and propensity score**  |
| Caliper widths | Discharge conference  | Number of participants | Propensity score(Estimated probability of receiving a discharge conference) | p values |
|  |  |   | Mean±SD  | Range (min, max) |  |
| 0.1 | Yes | 367 | 0.0827±0.0636 | (0.0134, 0.5587) | 0.9996 |
|  | No | 367 | 0.0827±0.0636 | (0.0134, 0.5536) |  |
| 0.05 | Yes | 366 | 0.0820±0.0625 | (0.0134, 0.5587) | 0.9944 |
|  | No | 366 | 0.0820±0.0624 | (0.0134, 0.5536) |  |
| 0.01 | Yes | 362 | 0.0788±0.0518 | (0.0134, 0.4596) | 0.9966 |
|  | No | 362 | 0.0788±0.0518 | (0.0134, 0.4615) |  |
| 0.005 | Yes | 351 | 0.0739±0.0416 |  (0.0134, 0.2480) | 0.9989 |
|  | No | 351 | 0.0739±0.0416 | (0.0134, 0.2477) |  |
| 0.001a | Yes | 304 | 0.0678±0.0356 | (0.0134, 0.2171) | 0.9996 |
|  | No | 304 | 0.0678±0.0356 | (0.0134, 0.2171) |  |
| 0.0005 | Yes | 257 | 0.0648±0.0349 | (0.0134, 0.2171) | 0.9998 |
|  | No | 257 | 0.0648±0.0349 | (0.0134, 0.2171) |  |
| 0.0001  | Yes | 172 | 0.0570±0.0315 | (0.0134, 0.2171) | 1.0000 |
|  | No | 172 | 0.0570±0.0315 | (0.0134, 0.2171) |  |
| a We choose the caliper of 0.001 to get a proper balance across the two groups by discharge conference or not.*Note.* SD means standard deviation.The propensity score was calculated for each patient in the dataset representing that patient’s conditional probability of receiving a discharge conference, given the observed characteristics of sex, age group, care-needs level of LTCI, prior utilization of LTCI facility services and home services, and health conditions (DPC group, one disease at non-DPC group, two or more diseases at non-DPC group), based on logistic regression analysis.  |