**Supplementary Table 2.** One-way Sensitivity Analysis of ICER By Three Strategies

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **the price of NIPT (USD)** | 76.92 | 153.85 | 230.77 | 307.69 | 384.62 |
| ICER of contingent screening strategy compared with CMSS | 2 315 | 7 015 | 11 714 | 16 414 | 21 114 |
| ICER of universal screening strategy compared with CMSS | 57 877 | 135 353 | 212 830 | 290 306 | 367 783 |
| **the price of CMSS (USD)** | 6.15 | 12.31 | 18.46 | 24.62 | 30.77 |
| ICER of universal screening strategy compared with CMSS | 368 898 | 362 966 | 357 033 | 351 101 | 345 168 |
| **the incidence of DS (‰)** | 0.86 | 1.26 | 1.66 | 2.06 | 2.4 |
| ICER of contingent screening strategy compared with CMSS | 34 222 | 23 711 | 18 314 | 15 663 | 13 041 |
| ICER of universal screening strategy compared with CMSS | 614 737 | 419 134 | 318 444 | 264 000 | 220 598 |
| **the uptake rate of AC (%)** | 20 | 40 | 60 | 80 | 100 |
| ICER of universal screening strategy compared with CMSS | 5058 046 | 2522 540 | 1677 371 | 1254 787 | 1000194 |
| **uptake rate of NIPT (%)** | 20 | 40 | 60 | 80 | 100 |
| ICER of universal screening strategy compared with CMSS | -3 390 300 | 494 860 | 375 403 | 337 200 | 318 388 |
| **uptake rate of CMSS (%)** | 20 | 40 | 60 | 80 | 100 |
| ICER of universal screening strategy compared with CMSS | 283 509 | 308 454 | 339 585 | 379 529 | 432 646 |

DS, Down syndrome; CMSS, conventional maternal serum screening; NIPT, non-invasive prenatal testing; ICER: incremental cost-effectiveness ratio; AC:amniocentesis. The ICER of contingent vs CMSS regarding the uptake rate of NIPT and AC were meaningless values would not be shown here.