**Supplement S1 - Economic evaluation of population-based type 2 diabetes mellitus screening at different healthcare settings in Vietnam**

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S1 Table. Incremental analysis of different T2DM screening strategy in Vietnam under societal perspective (US dollar 2019).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Screening option** | **Total cost** | **Total QALYs** | **Incremental Cost\*** | **Incremental QALYs\*** | **ICER** |
| **Screening from age of 30+** |   |   |   |   |   |
| Annual screening at CHS | 936.8 | 20.539 | - | - |   |
| Annual screening at DHC | 1,035.3 | 20.565 | 98.5 | 0.026 | 3,789.1 |
| 3-yearly screening at CHS | 1,208.1 | 20.257 | 172.8 | -0.308 | Dominated |
| No screening | 1,259.1 | 20.107 | 223.8 | -0.458 | Dominated |
| 3-yearly screening at DHC | 1,276.3 | 20.285 | 240.9 | -0.28 | Dominated |
| One-off screening at CHS | 1,277.3 | 20.113 | 241.9 | -0.452 | Dominated |
| One-off screening at DHC | 1,291.0 | 20.118 | 255.7 | -0.447 | Dominated |
| **Screening from age of 35+** |   |   |   |   |   |
| Annual screening at CHS | 830.9 | 19.159 | - | - |   |
| Annual screening at DHC | 926.1 | 19.188 | 95.3 | 0.029 | 3,285 |
| 3-yearly screening at CHS | 1,050.3 | 18.889 | 124.2 | -0.299 | Dominated |
| No screening | 1,082.9 | 18.742 | 156.8 | -0.446 | Dominated |
| One-off screening at CHS | 1,102.5 | 18.75 | 176.4 | -0.438 | Dominated |
| 3-yearly screening at DHC | 1,115.8 | 18.919 | 189.7 | -0.269 | Dominated |
| One-off screening at DHC | 1,117.2 | 18.755 | 191.0 | -0.433 | Dominated |
| **Screening from age 40+** |   |   |   |   |   |
| Annual screening at CHS | 724.5 | 17.618 | - | - | - |
| Annual screening at DHC | 815.7 | 17.65 | 91.2 | 0.032 | 2,851 |
| 3-yearly screening at CHS | 894.6 | 17.364 | 78.9 | -0.286 | Dominated |
| No screening | 910.7 | 17.222 | 95.0 | -0.428 | Dominated |
| One-off screening at CHS | 931.6 | 17.232 | 115.9 | -0.418 | Dominated |
| One-off screening at DHC | 947.3 | 17.239 | 131.6 | -0.411 | Dominated |
| 3-yearly screening at DHC | 956.9 | 17.395 | 141.2 | -0.255 | Dominated |
| **Screening from age of 45+** |   |   |   |   |   |
| Annual screening at CHS | 620.6 | 15.931 | - | - | - |
| Annual screening at DHC | 707.0 | 15.966 | 86.3 | 0.035 | 2,467 |
| 3-yearly screening at CHS | 745.7 | 15.697 | 38.7 | -0.269 | Dominated |
| No screening | 747.4 | 15.565 | 40.5 | -0.401 | Dominated |
| One-off screening at CHS | 769.6 | 15.577 | 62.7 | -0.389 | Dominated |
| One-off screening at DHC | 786.2 | 15.586 | 79.2 | -0.38 | Dominated |
| 3-yearly screening at DHC | 803.8 | 15.73 | 96.8 | -0.236 | Dominated |

*(\*) Incremental costs and QALYs were calculated after ruling out the strongly dominated alternatives*