**File 11: Economic model 3: Project local site data (before and after, deterministic sensitivity analysis)**

**File 11, Table 1: Economic model 3: one way sensitivity analyses for conf.2 data (questionnaire)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Baseline | | Follow up | |  |  |  |
|  |  | Mean | SD | Mean | SD | P value | Diff (fup-base) | ICER |
| **Primary** | **Total healthcare costs (hospitalisation, A&E) plus intervention** | 3372.58 | 13426.44 | 6128.24 | 4579.24 | 0.1678 | 2755.66 | 17,222.875 |
|  | **Total public sector costs (all above) plus intervention** | 27653.22 | 20141.76 | 27987.17 | 9919.39 | 0.91 | 333.95 | 2,087.1875 |
|  | **QALY (utility)** | 0.48 | 0.26 | 0.64 | 0.22 | <0.01 | 0.16 |  |
| **Sensitivity analysis: no intervention** | **Total healthcare costs (hospitalisation, A&E)** | 3372.58 | 5230.38 | 2516.4 | 4008.3 | 0.34 | -856.18 | -5,351.125 |
|  | **Total public sector costs (all above)** | 27653.22 | 20141.76 | 21894.55 | 10920.1 | 0.0666 | -5758.67 | -35,991.688 |
| **Sensitivity analysis: intervention costs increased by10%** | **Total healthcare costs (hospitalisation, A&E)** | 3372.58 | 5230.38 | 9218.28 | 11983.76 | <0.01 | 5845.7 | 36,535.625 |
|  | **Total public sector costs (all above)** | 27653.22 | 20141.76 | 28596.43 | 17175.36 | 0.792 | 943.21 | 5,895.0625 |
| **Sensitivity analysis: intervention costs increased by20%** | **Total healthcare costs (hospitalisation, A&E)** | 3372.58 | 13426.44 | 9827.54 | 12775.8 | 0.01 | 6454.96 | 40,343.5 |
|  | **Total public sector costs (all above)** | 27653.22 | 20141.76 | 29205.69 | 37967.4 | 0.7795 | 1552.47 | 9,702.9375 |
| **sensitivity analysis: mean hospitalisation cost@ fup=upper limit 95%CI** | **Total healthcare costs (hospitalisation, A&E) plus intervention** | 3372.58 | 5230.38 | 9607.48 | 14411.22 | <0.01 | 6234.9 | 38,968.125 |
|  | **Total public sector costs (all above) plus intervention** | 27653.22 | 20141.76 | 28985.63 | 43478.45 | 0.83 | 1332.41 | 8327.5625 |
| **sensitivity analysis: mean housing costs@fup=upper limit 95%CI** | **Total healthcare costs (hospitalisation, A&E) plus intervention** | 3372.58 | 13426.44 | 6128.24 | 4579.24 | 0.1678 | 2755.66 | 17,222.875 |
|  | **Total public sector costs (all above) plus intervention** | 27653.22 | 41479.84 | 30038.36 | 45057.53 | 0.77 | 2385.13 | 14,907.0625 |
| **sensitivity analysis: mean QALY@fup=lower limit 95%CI** | **Total healthcare costs (hospitalisation, A&E) plus intervention** | 3372.58 | 13426.44 | 6128.24 | 4579.24 | 0.1678 | 2755.66 | 27,556.6 |
|  | **Total public sector costs (all above) plus intervention** | 27653.22 | 20141.76 | 27987.17 | 9919.39 | 0.91 | 333.95 | 3,339.5 |
|  | **QALY (utility)** | 0.48 | 0.26 | 0.58 | 0.28 | 0.05 | 0.1 |  |

**File 11: Table 2: Economic model 3: one way sensitivity analyses for Conf.3 project data (audit data)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Baseline | | Follow up | |  |  |  |
|
|  |  | Mean | SD | Mean | SD | p | Diff (fup-base) | ICER |
| **Primary** | **Total healthcare costs (hospitalisation, A&E) plus intervention** | 5303.57 | 2613.91 | 5283.82 | 1478.33 | 0.9562 | -19.75 | -94.047619 |
|  | **QALY (utility)** | 0.54 | 0.28 | 0.76 | 0.11 | <0.01 | 0.21 |  |
| **Sensitivity analysis: no intervention** | **Total healthcare costs (hospitalisation, A&E)** | 5303.57 | 2608.27 | 3245.79 | 1477.09 | <0.01 | -2057.8 | -9799.04762 |
| **Sensitivity analysis: intervention costs increased by10%** | **Total healthcare costs (hospitalisation, A&E)** | 5303.57 | 2608.27 | 4812.16 | 5774.59 |  | -491.41 | -2340.04762 |
| **Sensitivity analysis: intervention costs increased by20%** | **Total healthcare costs (hospitalisation, A&E)** | 5303.57 | 2608.27 | 5015.82 | 6018.98 |  | -287.75 | -1370.2381 |
| **Sensitivity analysis: intervention costs increased by30%** | **Total healthcare costs (hospitalisation, A&E)** | 5303.57 | 2608.27 | 5219.48 | 6263.38 |  | -84.09 | -400.428571 |
| **Sensitivity analysis: mean hospitalisation cost@fup=upper limit 95%CI** | **Total healthcare costs (hospitalisation, A&E) plus intervention** | 5303.57 | 7955.35 | 4865.89 | 7298.83 | 0.735 | -437.68 | -2084.19048 |
| **sensitivity analysis: mean QALY@fup=lower limit 95%CI** | **QALY (utility)** | 0.54 | 0.28 | 0.61 | 0.22 | 0.1023 | 0.07257 | -272.151027 |