**Supporting Table 1. Transition Probabilities for the Usual Care Simulation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Probability** | **Base-Case** | **Min** | **Max** | **Distribution** | **Sources** |
| *Proportion Screened by FIT in a One-Year Period* |
| Usual Care | 0.024 | 0.020 | 0.121 | Triangular | Charlton 2014; Lewis 2012; Gupta 2013 |
| *Proportion Screened by Colonoscopy in a One-Year Period* |
| Usual Care | 0.020 | 0.000 | 0.020 | Triangular | Assumption |
| *Proportion with Positive FIT after Completing One FIT test* |
| Usual Care | 0.072 | 0.049 | 0.120 | Triangular | Brenner 2018; Tiro 2014; Charlton 2014 |
| *Proportion Completed Diagnostic Colonoscopy after Positive FIT* |
| Usual Care | 0.667 | 0.443 | 0.813 | Triangular | Brenner 2018; Baker 2014, Chubak 2016 |
| *Proportion with Polyps Removed after Diagnostic Colonoscopy* |
| Usual Care | 0.729 | 0.487 | 1.000 | Triangular | Kligman 2018 |
| *Proportion with Polyps Removed after Screening Colonoscopy* |
| Usual Care | 0.500 | 0.369 | 0.826 | Triangular | Kligman 2018 |

**Supporting Table 2. Cost Inputs for the Usual Care Simulation by Perspective**

|  |  |  |
| --- | --- | --- |
| **Item or Unit** | **Medicaid/State Perspective** | **Health Clinic/Facility Perspective** |
| *Materials and Equipment Costs* |
| Postage, printed materials, and mailer for Reminder+FIT | - | - |
| Postage, printed materials, and envelope for Reminder-Only | - | - |
| Administrative overhead | - | $8.00 |
| FIT kit | - | $2.04 |
| Equipment cost for FIT kit lab processing (non-personnel)\* | - | $3.57 |
| *Personnel Costs* |
| Assembling mailed packets | - | - |
| Processing FIT kits | - | $1.94 |
| Conducting reminder mailings | - | - |
| Conducting reminder phone calls | - | - |
| Communicating negative FIT results | $2.67 | $2.67 |
| Communicating positive FIT results | $3.76 | $3.76 |
| Preparing additional FIT kits | - | - |
| Providing patient navigation to FIT-positive patients | $37.65 | $37.65 |
| Attending trainings and intervention meetings | - | - |
| *Medicaid Reimbursement Rates* |
| FIT | $17.65 | -$17.65 |
| Colonoscopy without polypectomy\*\* | $462.63 | - |
| Colonoscopy with polypectomy\*\* | $624.39 | - |
| Polyp pathology\*\* | $74.21 | - |

\*We assumed that FIT kit and processing costs are borne by the health clinic/facility and reimbursed by Medicaid, whereas we assumed that Medicaid outsources these and pays only the reimbursement for the kit itself.

\*\*We assumed that the primary care health clinic/facility providing screening is not also providing colonoscopies and getting reimbursed for them.

**Supporting Table 3a. CRC Screenings, Costs, and Incremental Cost-Effectiveness Ratio (ICERs) for the Medicaid/State Perspective**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Probability (event)** | **Population Total Screenings\*** | **Population Total Screening Costs** | **Total Cost** **Per Person Screened** | **Incremental Screenings** | **Incremental Screening Costs** | **ICER Per Person Screened** |
| Reminder+FIT | 8131 | $1,400,584 | $172 | 6745 | $827,419 | $123 |
| Usual Care | 1386 | $573,165 | $414 | Reference | Reference | Reference |
| Reminder-Only | 5533 | $1,447,311 | $262 | 4147 | $874,146 | $211 |
| Usual Care | 1386 | $573,165 | $414 | Reference | Reference | Reference |

\*CRC screenings include both FIT and colonoscopies.

**Supporting Table 3b. CRC Screenings, Costs, and Incremental Cost-Effectiveness Ratios (ICERs) for the Health Clinic/Facility Perspective**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Probability (event)** | **Population Total Screenings\*** | **Population Total Screening Costs** | **Total Cost** **Per Person Screened** | **Incremental Screenings** | **Incremental Screening Costs** | **ICER Per Person Screened** |
| Reminder+FIT | 8131 | $926,589 | $114 | 6745 | $924,236 | $137 |
| Usual Care | 1386 | $2,353 | $2 | Reference | Reference | Reference |
| Reminder-Only | 5533 | $624,487 | $113 | 4147 | $622,134 | $150 |
| Usual Care | 1386 | $2,353 | $2 | Reference | Reference | Reference |

\*CRC screenings include both FIT and colonoscopies.