

Supplemental Table S1 for Incremental Cost-Effectiveness of Adding 13-valent Pneumococcal Conjugate Vaccine to Vaccine Recommendations for Adults Age 50 Years and Older

PPSV for high risk and PPSV+PCV at 65 for all

IPD Cases	28271.348
Hospitalized NBP Cases	766346.662
Non-hospitalized NBP Cases	1248296.097
Deaths due to IPD	3710.699
Deaths due to NBP	46140.962
QALYs	-369466.784
Life-years	-564754.018
Total Cost	22668393653.574
Medical Costs	22152294946.535
Vaccine Costs	516098707.039

PPSV for high risk and PPSV at 65

IPD Cases	28497.154
Hospitalized NBP Cases	771307.996
Non-hospitalized NBP Cases	1255547.610
Deaths due to IPD	3743.742
Deaths due to NBP	46473.371
QALYs	-372519.745
Life-years	-569381.279
Total Cost	22478910951.137
Medical Costs	22284276567.416
Vaccine Costs	194634383.721

PPSV for high risk and PCV at 65 for all

IPD Cases	29795.430
Hospitalized NBP Cases	766346.662
Non-hospitalized NBP Cases	1248296.097
Deaths due to IPD	3928.140
Deaths due to NBP	46140.962
QALYs	-371136.802
Life-years	-567498.376
Total Cost	22543073396.732
Medical Costs	22196414903.359
Vaccine Costs	346658493.373

PPSV for high risk and PPSV at 65 and PCV at 60

IPD Cases	28442.426
Hospitalized NBP Cases	769147.161
Non-hospitalized NBP Cases	1252093.863

Deaths due to IPD	3740.602
Deaths due to NBP	46340.589
QALYs	-371519.831
Life-years	-567874.636
Total Cost	22764946774.043
Medical Costs	22222767025.587
Vaccine Costs	542179748.456

PPSV for high risk and PPSV at 65 and PCV at 50

IPD Cases	28320.856
Hospitalized NBP Cases	768712.063
Non-hospitalized NBP Cases	1251117.055
Deaths due to IPD	3729.012
Deaths due to NBP	46325.275
QALYs	-371150.430
Life-years	-567411.884
Total Cost	22977183385.179
Medical Costs	22201911374.355
Vaccine Costs	775272010.824

PPSV for high risk and PPSV+PCV at 65 for all, higher QALY values

IPD Cases	28271.34769
Hospitalized NBP Cases	766346.6616
Non-hospitalized NBP Cases	1248296.097
Deaths due to IPD	3710.698841
Deaths due to NBP	46140.96185
QALYs	-441175.8894
Life-years	-564754.0182
Total Cost	22668393654
Medical Costs	22152294947
Vaccine Costs	516098707

PPSV for high risk and PPSV+PCV at 65 for all, rapid waning

IPD Cases	28324.58188
Hospitalized NBP Cases	766621.2476
Non-hospitalized NBP Cases	1248697.433
Deaths due to IPD	3718.711249
Deaths due to NBP	46159.35911
QALYs	-369505.7016
Life-years	-564854.8637
Total Cost	22676877474
Medical Costs	22160778767
Vaccine Costs	516098707

PPSV for high risk and PPSV+PCV at 65 for all, private price for vaccine cost

IPD Cases	28271.34769
Hospitalized NBP Cases	766346.6616
Non-hospitalized NBP Cases	1248296.097
Deaths due to IPD	3710.698841
Deaths due to NBP	46140.96185
QALYs	-369466.7843
Life-years	-564754.0182
Total Cost	22887300154
Medical Costs	22152294947
Vaccine Costs	735005207.5

PPSV for high risk and PPSV+PCV at 65 for all, Medicare price for vaccine cost

IPD Cases	28271.34769
Hospitalized NBP Cases	766346.6616
Non-hospitalized NBP Cases	1248296.097
Deaths due to IPD	3710.698841
Deaths due to NBP	46140.96185
QALYs	-369466.7843
Life-years	-564754.0182
Total Cost	22954006282
Medical Costs	22152294947
Vaccine Costs	801711335

PPSV for high risk and PPSV+PCV at 65 for all, no phasing of herd protection

IPD Cases	28425.57202
Hospitalized NBP Cases	769450.1099
Non-hospitalized NBP Cases	1252832.114
Deaths due to IPD	3736.461988
Deaths due to NBP	46348.89288
QALYs	-371634.6928
Life-years	-568000.0897
Total Cost	22750291935
Medical Costs	22234193228
Vaccine Costs	516098707

PPSV for high risk and PPSV+PCV at 65 for all, PPSV23 effective against NBP

IPD Cases	28271.34769
Hospitalized NBP Cases	745059.6893

Non-hospitalized NBP Cases	1216710.99
Deaths due to IPD	3710.698841
Deaths due to NBP	44733.8935
QALYs	-357122.8276
Life-years	-546202.0729
Total Cost	22123393228
Medical Costs	21607294520
Vaccine Costs	516098707