Simulation

| scenario | lower\_age | upper\_age | vill\_eff | comp\_eff | house\_eff | sub\_eff | lower\_95 | upper\_95 | point\_P | actual\_P | numV | numC | numH | numS |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 15 | 19 | 20 | 25 | 50 | 100 | 4.0 | 6.0 | 5.00 | 5 | 44 | 828 | 962 | 3,628 |
| 2 | 15 | 19 | 20 | 25 | 50 | 100 | 8.7 | 11.3 | 10.00 | 10 | 44 | 819 | 950 | 3,586 |
| 3 | 15 | 19 | 20 | 25 | 50 | 100 | 18.3 | 21.7 | 19.99 | 20 | 44 | 807 | 934 | 3,554 |
| 4 | 20 | 24 | 20 | 25 | 50 | 100 | 4.0 | 6.1 | 5.00 | 5 | 44 | 762 | 884 | 3,109 |
| 5 | 20 | 24 | 20 | 25 | 50 | 100 | 8.7 | 11.4 | 10.00 | 10 | 44 | 765 | 893 | 3,157 |
| 6 | 20 | 24 | 20 | 25 | 50 | 100 | 18.3 | 21.8 | 20.01 | 20 | 44 | 749 | 875 | 3,082 |
| 7 | 25 | 29 | 20 | 25 | 50 | 100 | 3.9 | 6.3 | 5.00 | 5 | 43 | 666 | 753 | 2,035 |
| 8 | 25 | 29 | 20 | 25 | 50 | 100 | 8.5 | 11.6 | 10.00 | 10 | 43 | 671 | 759 | 2,033 |
| 9 | 25 | 29 | 20 | 25 | 50 | 100 | 17.9 | 22.1 | 19.99 | 20 | 43 | 690 | 780 | 2,077 |
| 10 | 30 | 39 | 20 | 25 | 50 | 100 | 4.1 | 6.0 | 5.00 | 5 | 44 | 905 | 1,088 | 3,856 |
| 11 | 30 | 39 | 20 | 25 | 50 | 100 | 8.8 | 11.3 | 10.00 | 10 | 44 | 897 | 1,086 | 3,871 |
| 12 | 30 | 39 | 20 | 25 | 50 | 100 | 18.4 | 21.6 | 19.99 | 20 | 44 | 892 | 1,081 | 3,855 |
| 13 | 40 | 49 | 20 | 25 | 50 | 100 | 3.9 | 6.2 | 5.00 | 5 | 44 | 792 | 928 | 2,302 |
| 14 | 40 | 49 | 20 | 25 | 50 | 100 | 8.6 | 11.5 | 10.00 | 10 | 44 | 791 | 926 | 2,275 |
| 15 | 40 | 49 | 20 | 25 | 50 | 100 | 18.1 | 21.9 | 20.01 | 20 | 44 | 789 | 922 | 2,263 |
| 16 | 30 | 39 | 20 | 25 | 50 | 50 | 4.0 | 6.1 | 5.00 | 5 | 44 | 873 | 1,057 | 2,209 |
| 17 | 30 | 39 | 20 | 25 | 50 | 50 | 8.6 | 11.5 | 10.01 | 10 | 44 | 865 | 1,046 | 2,174 |
| 18 | 30 | 39 | 20 | 25 | 50 | 50 | 18.1 | 21.9 | 20.00 | 20 | 44 | 884 | 1,068 | 2,227 |
| 19 | 40 | 49 | 20 | 25 | 50 | 50 | 3.8 | 6.3 | 5.00 | 5 | 44 | 782 | 918 | 1,417 |
| 20 | 40 | 49 | 20 | 25 | 50 | 50 | 8.4 | 11.7 | 10.01 | 10 | 44 | 789 | 928 | 1,449 |
| 21 | 40 | 49 | 20 | 25 | 50 | 50 | 17.8 | 22.2 | 19.99 | 20 | 44 | 762 | 895 | 1,393 |
| 22 | 15 | 19 | 20 | 20 | 50 | 100 | 4.0 | 6.1 | 5.01 | 5 | 44 | 658 | 770 | 2,951 |
| 23 | 15 | 19 | 20 | 20 | 50 | 100 | 8.7 | 11.5 | 10.00 | 10 | 44 | 669 | 784 | 3,017 |
| 24 | 15 | 19 | 20 | 20 | 50 | 100 | 18.2 | 21.9 | 20.01 | 20 | 44 | 666 | 781 | 3,003 |
| 25 | 20 | 24 | 20 | 20 | 50 | 100 | 3.9 | 6.2 | 5.00 | 5 | 44 | 621 | 725 | 2,579 |
| 26 | 20 | 24 | 20 | 20 | 50 | 100 | 8.5 | 11.5 | 9.99 | 10 | 44 | 613 | 722 | 2,580 |
| 27 | 20 | 24 | 20 | 20 | 50 | 100 | 18.1 | 22.0 | 19.99 | 20 | 44 | 616 | 727 | 2,584 |
| 28 | 25 | 29 | 20 | 20 | 50 | 100 | 3.7 | 6.4 | 5.00 | 5 | 43 | 544 | 617 | 1,676 |
| 29 | 25 | 29 | 20 | 20 | 50 | 100 | 8.3 | 11.8 | 10.00 | 10 | 43 | 553 | 627 | 1,711 |
| 30 | 25 | 29 | 20 | 20 | 50 | 100 | 17.8 | 22.4 | 20.01 | 20 | 43 | 536 | 606 | 1,639 |
| 31 | 30 | 39 | 20 | 20 | 50 | 50 | 3.9 | 6.2 | 5.00 | 5 | 44 | 721 | 877 | 1,846 |
| 32 | 30 | 39 | 20 | 20 | 50 | 50 | 8.4 | 11.6 | 10.01 | 10 | 44 | 709 | 861 | 1,808 |
| 33 | 30 | 39 | 20 | 20 | 50 | 50 | 17.9 | 22.1 | 20.00 | 20 | 44 | 722 | 878 | 1,830 |
| 34 | 40 | 49 | 20 | 20 | 50 | 50 | 3.6 | 6.5 | 5.00 | 5 | 44 | 614 | 723 | 1,125 |
| 35 | 40 | 49 | 20 | 20 | 50 | 50 | 8.2 | 11.9 | 10.00 | 10 | 44 | 639 | 756 | 1,197 |
| 36 | 40 | 49 | 20 | 20 | 50 | 50 | 17.6 | 22.4 | 20.00 | 20 | 44 | 634 | 748 | 1,172 |