| **Table 3** | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Mean MSE and standard deviation* | | | | | | | | | | | | | | |
| Model | *ACT* | | *ECLSKmath* | | *ECLSKreading* | | *ECLSKschool* | | *ECLSKscience* | | *marriage* | | *Safety* | |
| *M* | *SD* | *M* | *SD* | *M* | *SD* | *M* | *SD* | *M* | *SD* | *M* | *SD* | *M* | *SD* |
| GLMM\_tree | 20,771.01 | 3,482.75 | 0.16 | 0.02 | 0.10 | 0.01 | 0.21 | 0.02 | 0.42 | 0.06 | 0.21 | 0.01 | 0.50 | 0.05 |
| Bart | 18,743.07 | 3,459.67 | 0.08 | 0.01 | 0.07 | 0.01 | 0.20 | 0.02 | 0.29 | 0.04 | 0.21 | 0.01 | 0.45 | 0.04 |
| BaBart\_N.1 | 20,288.13 | 3,142.28 | 0.14 | 0.02 | 0.10 | 0.01 | 0.20 | 0.02 | 0.37 | 0.05 | 0.21 | 0.01 | 0.47 | 0.05 |
| BaBart\_N.5 | 20,141.38 | 3,391.53 | 0.17 | 0.02 | 0.10 | 0.01 | 0.20 | 0.02 | 0.45 | 0.05 | 0.21 | 0.01 | 0.46 | 0.05 |
| BaBart\_N.10 | 20,656.03 | 3,601.45 | 0.17 | 0.03 | 0.11 | 0.01 | 0.21 | 0.02 | 0.46 | 0.06 | 0.21 | 0.01 | 0.46 | 0.04 |
| Smearing\_N.1\_palt.0 | 19,967.07 | 3,368.74 | 0.16 | 0.02 | 0.10 | 0.01 | 0.21 | 0.02 | 0.39 | 0.05 | 0.21 | 0.01 | 0.48 | 0.05 |
| Smearing\_N.5\_palt.0 | 20,512.81 | 3,620.50 | 0.17 | 0.03 | 0.11 | 0.01 | 0.23 | 0.02 | 0.40 | 0.06 | 0.21 | 0.01 | 0.48 | 0.06 |
| Smearing\_N.10\_palt.0 | 21,242.69 | 3,517.49 | 0.18 | 0.02 | 0.11 | 0.01 | 0.23 | 0.02 | 0.45 | 0.05 | 0.21 | 0.01 | 0.49 | 0.05 |
| Smearing\_N.1\_palt.0.25 | 21,092.56 | 3,964.25 | 0.27 | 0.03 | 0.22 | 0.03 | 0.21 | 0.02 | 0.51 | 0.06 | 0.21 | 0.01 | 0.51 | 0.03 |
| Smearing\_N.5\_palt.0.25 | 21,100.31 | 4,070.31 | 0.28 | 0.03 | 0.22 | 0.03 | 0.22 | 0.02 | 0.54 | 0.08 | 0.21 | 0.01 | 0.53 | 0.04 |
| Smearing\_N.10\_palt.0.25 | 21,249.19 | 4,018.93 | 0.28 | 0.03 | 0.22 | 0.03 | 0.23 | 0.02 | 0.57 | 0.08 | 0.21 | 0.01 | 0.54 | 0.04 |
| Smearing\_N.1\_palt.0.5 | 21,236.72 | 4,415.26 | 0.50 | 0.08 | 0.43 | 0.06 | 0.22 | 0.02 | 0.67 | 0.10 | 0.21 | 0.01 | 0.55 | 0.04 |
| Smearing\_N.5\_palt.0.5 | 21,345.76 | 4,224.39 | 0.49 | 0.05 | 0.42 | 0.05 | 0.23 | 0.02 | 0.71 | 0.10 | 0.21 | 0.01 | 0.56 | 0.03 |
| Smearing\_N.10\_palt.0.5 | 21,402.00 | 4,238.14 | 0.49 | 0.06 | 0.42 | 0.05 | 0.23 | 0.02 | 0.72 | 0.10 | 0.21 | 0.01 | 0.57 | 0.05 |