**AGG MENT**

* Crude model

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 30000 | 25.1253 | 1.6092 | 21.8964 | 28.2490 |
| **betaAM** | 30000 | -0.5076 | 0.0342 | -0.5748 | -0.4400 |
| **betadrugs** | 30000 | -0.0621 | 1.6408 | -3.2953 | 3.1877 |
| **sigma2** | 30000 | 99.3801 | 6.4250 | 86.8075 | 111.9 |

* Full model

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 30000 | 16.7955 | 4.2897 | 8.4327 | 25.2658 |
| **betaAM** | 30000 | -0.5321 | 0.0345 | -0.6042 | -0.4693 |
| **betadrugs** | 30000 | -0.4309 | 1.8067 | -3.9197 | 3.1761 |
| **betaage** | 30000 | 0.0787 | 0.0561 | -0.0334 | 0.1849 |
| **betabmi** | 30000 | 0.0399 | 0.1155 | -0.1810 | 0.2679 |
| **betaadh** | 30000 | 2.3206 | 1.6066 | -0.7497 | 5.5006 |
| **betarace** | 30000 | -0.2928 | 1.1163 | -2.5291 | 1.8564 |
| **betadrink** | 30000 | -0.3842 | 1.8045 | -3.9399 | 3.0409 |
| **betasmoke** | 30000 | 1.7588 | 1.0908 | -0.4329 | 3.8490 |
| **betamarij** | 30000 | 1.2815 | 0.9647 | -0.6425 | 3.1463 |
| **betaincmed** | 30000 | 1.0576 | 1.3245 | -1.6439 | 3.5467 |
| **betainchigh** | 30000 | 2.5336 | 1.5428 | -0.6001 | 5.4581 |
| **betaeduc** | 30000 | 1.1195 | 1.3705 | -1.6466 | 3.7563 |
| **sigma2** | 30000 | 98.6715 | 6.7182 | 85.7448 | 112.0 |

* Final model

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 30000 | 19.4077 | 3.8767 | 11.5768 | 26.6034 |
| **betaAM** | 30000 | -0.5363 | 0.0354 | -0.6096 | -0.4696 |
| **betadrugs** | 30000 | -0.2167 | 1.7480 | -3.4630 | 3.3566 |
| **betaage** | 30000 | 0.0910 | 0.0564 | -0.0254 | 0.1973 |
| **betabmi** | 30000 | 0.00921 | 0.1081 | -0.1952 | 0.2233 |
| **betaadh** | 30000 | 2.5114 | 1.5783 | -0.6865 | 5.4813 |
| **betarace** | 30000 | -0.2294 | 1.1231 | -2.3310 | 2.0777 |
| **betaincmed** | 30000 | 0.6213 | 1.3022 | -1.8418 | 3.1895 |
| **betainchigh** | 30000 | 2.0207 | 1.4518 | -0.7472 | 4.8331 |
| **sigma2** | 30000 | 98.7970 | 6.6311 | 86.0100 | 111.9 |

**AGG PHYS**

* Crude model

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 30000 | 14.6658 | 2.0748 | 10.7181 | 18.7656 |
| **betaAP** | 30000 | -0.3119 | 0.0396 | -0.3869 | -0.2316 |
| **betadrugs** | 30000 | -3.6182 | 1.2908 | -6.0633 | -1.0520 |
| **sigma2** | 30000 | 61.7200 | 4.0422 | 53.7386 | 69.4947 |

* Full model

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 30000 | 15.5703 | 3.9218 | 7.5718 | 23.0309 |
| **betaAP** | 30000 | -0.3271 | 0.0456 | -0.4191 | -0.2396 |
| **betadrugs** | 30000 | -3.1038 | 1.4050 | -5.7468 | -0.2811 |
| **betaage** | 30000 | -0.1180 | 0.0449 | -0.2038 | -0.0302 |
| **betabmi** | 30000 | 0.0642 | 0.0886 | -0.1116 | 0.2386 |
| **betaadh** | 30000 | 1.3438 | 1.1991 | -1.0789 | 3.5520 |
| **betarace** | 30000 | -1.2079 | 0.8715 | -2.8013 | 0.5702 |
| **betadrink** | 30000 | -1.1025 | 1.3930 | -3.8107 | 1.5610 |
| **betasmoke** | 30000 | -0.7902 | 0.8074 | -2.3750 | 0.7574 |
| **betamarij** | 30000 | 0.6307 | 0.7509 | -0.7708 | 2.1392 |
| **betaincmed** | 30000 | 2.1205 | 1.0394 | 0.0234 | 4.0430 |
| **betainchigh** | 30000 | 2.7649 | 1.2423 | 0.3844 | 5.1673 |
| **betaeduc** | 30000 | 1.3629 | 1.0479 | -0.6011 | 3.4842 |
| **sigma2** | 30000 | 58.0287 | 3.9404 | 50.5090 | 65.9423 |

* Final model

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 30000 | 14.7989 | 3.7663 | 7.5900 | 22.1062 |
| **betaAP** | 30000 | -0.3152 | 0.0445 | -0.4026 | -0.2303 |
| **betadrugs** | 30000 | -3.6128 | 1.3146 | -5.9669 | -0.8246 |
| **betaage** | 30000 | -0.1158 | 0.0438 | -0.1980 | -0.0262 |
| **betabmi** | 30000 | 0.0746 | 0.0880 | -0.1001 | 0.2433 |
| **betaadh** | 30000 | 1.5434 | 1.2535 | -0.9391 | 3.9661 |
| **betarace** | 30000 | -1.0081 | 0.8552 | -2.6029 | 0.6921 |
| **betaincmed** | 30000 | 2.5800 | 0.9619 | 0.7087 | 4.4375 |
| **betainchigh** | 30000 | 3.5038 | 1.1172 | 1.3955 | 5.7371 |
| **sigma2** | 30000 | 58.0263 | 3.9308 | 50.3957 | 65.7037 |

**LEU3N**

* Crude

| * **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 50000 | 0.7330 | 0.0839 | 0.5804 | 0.9079 |
| **betalogvload** | 50000 | -0.0710 | 0.0181 | -0.1059 | -0.0356 |
| **betadrugs** | 50000 | -0.0167 | 0.0613 | -0.1350 | 0.1025 |
| **sigma2** | 50000 | 0.1352 | 0.00881 | 0.1181 | 0.1526 |

* Full

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 50000 | 1.2931 | 0.1772 | 0.9624 | 1.6430 |
| **betalogvload** | 50000 | -0.0896 | 0.0199 | -0.1275 | -0.0496 |
| **betadrugs** | 50000 | -0.0294 | 0.0661 | -0.1553 | 0.1040 |
| **betaage** | 50000 | -0.00007 | 0.00204 | -0.00402 | 0.00397 |
| **betabmi** | 50000 | -0.00865 | 0.00402 | -0.0161 | -0.00039 |
| **betaadh** | 50000 | -0.1436 | 0.0584 | -0.2577 | -0.0305 |
| **betarace** | 50000 | -0.0125 | 0.0419 | -0.0927 | 0.0705 |
| **betadrink** | 50000 | -0.0163 | 0.0665 | -0.1498 | 0.1088 |
| **betasmoke** | 50000 | -0.0460 | 0.0397 | -0.1265 | 0.0279 |
| **betamarij** | 50000 | -0.0456 | 0.0356 | -0.1150 | 0.0245 |
| **betaincmed** | 50000 | -0.1038 | 0.0523 | -0.2027 | 0.00254 |
| **betainchigh** | 50000 | -0.2021 | 0.0613 | -0.3225 | -0.0814 |
| **betaeduc** | 50000 | 0.0468 | 0.0527 | -0.0562 | 0.1490 |
| **sigma2** | 50000 | 0.1342 | 0.00913 | 0.1173 | 0.1531 |

* Final

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 50000 | 1.2247 | 0.1747 | 0.8845 | 1.5665 |
| **betalogvload** | 50000 | -0.0854 | 0.0195 | -0.1242 | -0.0475 |
| **betadrugs** | 50000 | -0.0363 | 0.0662 | -0.1595 | 0.1015 |
| **betaage** | 50000 | -0.00051 | 0.00198 | -0.00451 | 0.00326 |
| **betabmi** | 50000 | -0.00743 | 0.00411 | -0.0154 | 0.000659 |
| **betaadh** | 50000 | -0.1442 | 0.0600 | -0.2610 | -0.0283 |
| **betarace** | 50000 | -0.00362 | 0.0418 | -0.0850 | 0.0775 |
| **betaincmed** | 50000 | -0.0682 | 0.0475 | -0.1621 | 0.0263 |
| **betainchigh** | 50000 | -0.1508 | 0.0541 | -0.2528 | -0.0433 |
| **sigma2** | 50000 | 0.1344 | 0.00909 | 0.1172 | 0.1526 |

**LOG10VLOAD**

* Crude

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 25000 | 189.0 | 17.1463 | 156.6 | 224.0 |
| **betaLEU3N** | 25000 | -0.0225 | 0.0400 | -0.0990 | 0.0576 |
| **betadrugs** | 25000 | -154.7 | 29.0965 | -212.0 | -97.8893 |
| **sigma2** | 25000 | 31362.5 | 2047.1 | 27350.6 | 35343.9 |

* Full

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 25000 | 56.8805 | 53.9555 | -49.2710 | 162.5 |
| **betaLEU3N** | 25000 | -0.0548 | 0.0417 | -0.1344 | 0.0297 |
| **betadrugs** | 25000 | -147.8 | 29.7163 | -205.8 | -89.0292 |
| **betaage** | 25000 | -0.5286 | 0.9133 | -2.3032 | 1.2569 |
| **betabmi** | 25000 | 4.4746 | 1.8068 | 1.0663 | 8.1021 |
| **betaadh** | 25000 | 32.8477 | 20.9122 | -7.7104 | 73.9598 |
| **betarace** | 25000 | 18.4342 | 16.1595 | -13.4018 | 49.7974 |
| **betadrink** | 25000 | -3.8260 | 22.7401 | -47.8677 | 40.2294 |
| **betasmoke** | 25000 | -4.9920 | 15.5988 | -35.9340 | 25.0659 |
| **betamarij** | 25000 | 28.9643 | 14.8319 | 0.2438 | 58.1837 |
| **betaincmed** | 25000 | 13.3444 | 17.4236 | -20.4097 | 47.4132 |
| **betainchigh** | 25000 | -32.9758 | 19.4190 | -71.0015 | 4.5970 |
| **betaeduc** | 25000 | 12.4576 | 18.3374 | -23.8829 | 47.9779 |
| **sigma2** | 25000 | 29786.4 | 2014.9 | 25902.8 | 33742.3 |

* Final

| **Posterior Summaries and Intervals** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **N** | **Mean** | **Standard Deviation** | **95% HPD Interval** | |
| **betaint** | 25000 | 60.2158 | 54.2066 | -46.1752 | 167.1 |
| **betaLEU3N** | 25000 | -0.0521 | 0.0403 | -0.1315 | 0.0273 |
| **betadrugs** | 25000 | -152.6 | 29.1281 | -209.2 | -96.3227 |
| **betaage** | 25000 | -0.4338 | 0.9009 | -2.2031 | 1.3376 |
| **betabmi** | 25000 | 4.5474 | 1.7697 | 0.9709 | 7.8847 |
| **betaadh** | 25000 | 34.8005 | 20.7870 | -4.8339 | 76.3324 |
| **betarace** | 25000 | 18.1848 | 16.1385 | -14.3156 | 48.8382 |
| **betaincmed** | 25000 | 12.1473 | 17.5007 | -22.5218 | 46.0273 |
| **betainchigh** | 25000 | -33.8331 | 19.1764 | -72.4601 | 3.1400 |
| **betaeduc** | 25000 | 10.9180 | 18.4642 | -24.1120 | 48.5549 |
| **sigma2** | 25000 | 29957.4 | 2036.2 | 26133.4 | 34074.0 |