| **Variable** | **Dysmenorrhea** | **Pain Free Control** | **Chi\_Square** | **p\_value** |
| --- | --- | --- | --- | --- |
| avg\_anterior\_jz\_m | 6.2 [5.2-7.8] (n=33) | 7.4 [5.2-7.5] (n=9) | 0.000000000 | 1.00000000 |
| avg\_anterior\_jz\_v1\_s1 | 5.7 [4.2-7.0] (n=70) | 5.3 [4.1-8.6] (n=17) | 0.041368210 | 0.83882884 |
| avg\_anterior\_jz\_v1\_s2 | 5.7 [4.0-6.7] (n=66) | 4.7 [3.6-6.2] (n=14) | 1.104602171 | 0.29325833 |
| avg\_anterior\_jz\_v2\_s1 | 5.2 [4.6-6.3] (n=34) | 5.9 [5.1-7.5] (n=14) | 1.136573437 | 0.28637754 |
| avg\_anterior\_jz\_v2\_s2 | 5.4 [4.4-7.1] (n=32) | 5.8 [4.5-6.6] (n=14) | 0.009118541 | 0.92392480 |
| avg\_anterior\_outer\_m | 6.4 [4.8-7.8] (n=32) | 7.3 [6.0-8.9] (n=9) | 3.224337748 | 0.07255114 |
| avg\_anterior\_outer\_v1\_s1 | 7.7 [6.1-9.4] (n=70) | 5.8 [4.6-7.5] (n=16) | 5.405407189 | 0.02007447 |
| avg\_anterior\_outer\_v1\_s2 | 6.9 [5.3-9.4] (n=67) | 6.4 [6.1-7.6] (n=13) | 0.040865014 | 0.83979870 |
| avg\_anterior\_outer\_v2\_s1 | 7.6 [6.2-9.6] (n=34) | 6.1 [5.1-9.6] (n=14) | 2.309552392 | 0.12858107 |
| avg\_anterior\_outer\_v2\_s2 | 6.7 [5.4-8.6] (n=32) | 5.7 [5.3-9.1] (n=14) | 0.275835866 | 0.59944362 |
| avg\_contractions\_m | 3.0 [2.0-5.1] (n=35) | 3.2 [1.5-4.6] (n=7) | 0.002598256 | 0.95934696 |
| avg\_contractions\_v1\_s1 | 3.0 [1.2-6.0] (n=74) | 2.0 [0.4-5.8] (n=18) | 0.826661740 | 0.36323960 |
| avg\_contractions\_v1\_s2 | 3.5 [2.0-5.0] (n=73) | 4.0 [1.0-6.8] (n=15) | 0.002523749 | 0.95993359 |
| avg\_contractions\_v2\_s1 | 4.0 [2.0-5.0] (n=35) | 2.0 [0.0-4.2] (n=15) | 2.501435656 | 0.11374257 |
| avg\_contractions\_v2\_s2 | 4.2 [3.0-6.0] (n=34) | 2.5 [0.8-5.4] (n=16) | 1.962339595 | 0.16126332 |
| avg\_frame\_duration\_m | 28.9 [19.8-38.4] (n=32) | 21.7 [19.6-24.2] (n=6) | 1.540064103 | 0.21460826 |
| avg\_frame\_duration\_v1\_s1 | 23.4 [15.9-31.0] (n=54) | 17.8 [14.9-35.5] (n=9) | 0.046682099 | 0.82894066 |
| avg\_frame\_duration\_v1\_s2 | 21.5 [16.3-35.5] (n=57) | 18.0 [11.4-21.0] (n=10) | 2.913003096 | 0.08786812 |
| avg\_frame\_duration\_v2\_s1 | 24.9 [20.5-35.1] (n=29) | 30.1 [22.9-32.7] (n=7) | 0.115430702 | 0.73404410 |
| avg\_frame\_duration\_v2\_s2 | 19.2 [15.4-27.3] (n=30) | 25.4 [11.7-30.5] (n=11) | 0.007792208 | 0.92965931 |
| avg\_posterior\_jz\_m | 7.0 [4.8-8.5] (n=34) | 5.3 [5.1-7.2] (n=9) | 0.431568065 | 0.51122052 |
| avg\_posterior\_jz\_v1\_s1 | 5.8 [4.2-7.5] (n=71) | 5.4 [4.0-9.1] (n=17) | 0.046946494 | 0.82846444 |
| avg\_posterior\_jz\_v1\_s2 | 5.9 [4.5-7.3] (n=68) | 4.9 [4.3-7.1] (n=14) | 0.702245165 | 0.40203031 |
| avg\_posterior\_jz\_v2\_s1 | 5.7 [4.7-7.4] (n=35) | 5.9 [4.6-8.0] (n=14) | 0.167666871 | 0.68219371 |
| avg\_posterior\_jz\_v2\_s2 | 5.5 [5.1-6.7] (n=33) | 6.1 [5.3-8.0] (n=14) | 0.589285714 | 0.44269546 |
| avg\_posterior\_outer\_m | 7.1 [4.8-8.6] (n=33) | 7.8 [5.9-10.0] (n=9) | 0.790355946 | 0.37399252 |
| avg\_posterior\_outer\_v1\_s1 | 7.9 [6.3-9.6] (n=70) | 7.3 [5.8-8.8] (n=16) | 1.863194918 | 0.17225651 |
| avg\_posterior\_outer\_v1\_s2 | 7.3 [6.2-9.7] (n=65) | 7.2 [5.6-8.5] (n=14) | 1.054957895 | 0.30436800 |
| avg\_posterior\_outer\_v2\_s1 | 8.3 [7.2-10.7] (n=35) | 7.1 [5.7-8.8] (n=14) | 2.682259299 | 0.10147167 |
| avg\_posterior\_outer\_v2\_s2 | 8.6 [6.7-10.2] (n=33) | 7.3 [6.0-9.6] (n=14) | 1.195484559 | 0.27422604 |