| **Variable** | **Dysmenorrhea** | **Pain Free Control** | **Chi\_Square** | **p\_value** |
| --- | --- | --- | --- | --- |
| avg\_anterior\_jz\_m | 6.2 [5.2-7.8] (n=33) | 6.5 [5.2-7.6] (n=8) | 0.027065708 | 0.86932449 |
| avg\_anterior\_jz\_v1\_s1 | 5.9 [4.4-6.6] (n=45) | 5.1 [4.0-6.0] (n=11) | 1.172248804 | 0.27893965 |
| avg\_anterior\_jz\_v1\_s2 | 6.0 [4.2-6.7] (n=43) | 4.4 [3.3-5.3] (n=10) | 3.517583676 | 0.06072091 |
| avg\_anterior\_jz\_v2\_s1 | 5.2 [4.6-6.3] (n=21) | 5.2 [4.2-5.8] (n=9) | 0.320020481 | 0.57159534 |
| avg\_anterior\_jz\_v2\_s2 | 5.5 [4.6-6.9] (n=19) | 5.2 [3.6-6.0] (n=9) | 0.658802178 | 0.41698314 |
| avg\_anterior\_outer\_m | 6.4 [4.8-7.8] (n=32) | 7.3 [6.0-9.6] (n=8) | 2.526481560 | 0.11194959 |
| avg\_anterior\_outer\_v1\_s1 | 7.1 [6.3-9.1] (n=45) | 6.1 [4.8-7.7] (n=10) | 1.950616928 | 0.16252039 |
| avg\_anterior\_outer\_v1\_s2 | 7.0 [5.4-9.6] (n=43) | 6.4 [6.2-9.2] (n=9) | 0.000146263 | 0.99035068 |
| avg\_anterior\_outer\_v2\_s1 | 8.4 [7.2-9.6] (n=21) | 7.2 [5.8-11.0] (n=9) | 0.061955965 | 0.80343075 |
| avg\_anterior\_outer\_v2\_s2 | 6.3 [4.6-8.7] (n=19) | 6.1 [5.3-10.0] (n=9) | 0.049001815 | 0.82480938 |
| avg\_contractions\_m | 3.0 [2.0-5.1] (n=35) | 3.1 [0.8-3.8] (n=6) | 0.167026492 | 0.68276809 |
| avg\_contractions\_v1\_s1 | 3.0 [2.0-5.0] (n=48) | 1.5 [0.0-2.5] (n=11) | 2.829814741 | 0.09252903 |
| avg\_contractions\_v1\_s2 | 3.8 [2.0-5.0] (n=48) | 2.5 [0.5-4.4] (n=10) | 0.671512959 | 0.41252462 |
| avg\_contractions\_v2\_s1 | 4.0 [2.0-5.0] (n=21) | 1.5 [0.0-2.0] (n=9) | 6.196500959 | 0.01280031 |
| avg\_contractions\_v2\_s2 | 4.5 [2.0-7.0] (n=21) | 1.0 [0.0-3.0] (n=9) | 4.590705507 | 0.03214578 |
| avg\_frame\_duration\_m | 28.9 [19.8-38.4] (n=32) | 20.0 [19.4-23.4] (n=5) | 1.438815789 | 0.23033107 |
| avg\_frame\_duration\_v1\_s1 | 25.5 [19.9-37.8] (n=37) | 35.5 [30.8-74.4] (n=5) | 1.312759271 | 0.25189568 |
| avg\_frame\_duration\_v1\_s2 | 26.9 [17.3-41.0] (n=38) | 18.5 [12.5-28.1] (n=6) | 2.063157895 | 0.15089717 |
| avg\_frame\_duration\_v2\_s1 | 24.7 [19.9-35.6] (n=19) | 32.7 [28.0-42.0] (n=4) | 1.289473684 | 0.25614497 |
| avg\_frame\_duration\_v2\_s2 | 22.0 [15.8-30.1] (n=19) | 25.5 [23.8-35.9] (n=5) | 0.668210526 | 0.41367620 |
| avg\_posterior\_jz\_m | 7.0 [4.8-8.5] (n=34) | 6.1 [4.9-7.3] (n=8) | 0.296655857 | 0.58598653 |
| avg\_posterior\_jz\_v1\_s1 | 5.8 [4.5-7.1] (n=46) | 5.0 [3.7-5.7] (n=11) | 1.546560957 | 0.21364386 |
| avg\_posterior\_jz\_v1\_s2 | 6.2 [4.8-6.9] (n=44) | 4.7 [3.5-5.7] (n=10) | 2.789362521 | 0.09489197 |
| avg\_posterior\_jz\_v2\_s1 | 5.8 [4.4-7.4] (n=22) | 4.7 [4.5-5.5] (n=9) | 1.485147910 | 0.22297082 |
| avg\_posterior\_jz\_v2\_s2 | 5.8 [5.1-6.6] (n=20) | 5.5 [4.2-6.7] (n=9) | 0.375555556 | 0.53999148 |
| avg\_posterior\_outer\_m | 7.1 [4.8-8.6] (n=33) | 7.0 [5.8-9.1] (n=8) | 0.370464974 | 0.54275093 |
| avg\_posterior\_outer\_v1\_s1 | 7.8 [6.6-10.1] (n=45) | 8.0 [5.9-9.1] (n=10) | 0.321916375 | 0.57045824 |
| avg\_posterior\_outer\_v1\_s2 | 7.6 [6.1-9.9] (n=42) | 7.3 [6.7-9.0] (n=10) | 0.174663073 | 0.67600041 |
| avg\_posterior\_outer\_v2\_s1 | 8.6 [7.0-10.8] (n=22) | 8.1 [5.6-10.2] (n=9) | 0.371212121 | 0.54234430 |
| avg\_posterior\_outer\_v2\_s2 | 8.5 [6.5-10.0] (n=20) | 8.0 [6.0-10.4] (n=9) | 0.142222222 | 0.70608174 |