| **Variable** | **Dysmenorrhea** | **Pain Free Control** | **Chi\_Square** | **df** | **p\_value** |
| --- | --- | --- | --- | --- | --- |
| avg\_contractions\_v1 | 3.2 [2.1-5.2] | 3.1 [0.8-4.8] | 0.154748342 | 1 | 0.69403835 |
| avg\_frame\_duration\_v1 | 27.8 [19.3-39.5] | 23.4 [20.0-24.5] | 0.809261084 | 1 | 0.36833880 |
| avg\_anterior\_jz\_v1 | 6.4 [5.2-8.3] | 7.4 [5.1-7.4] | 0.193465864 | 1 | 0.66004753 |
| avg\_anterior\_outer\_v1 | 6.3 [4.3-7.8] | 7.2 [6.0-8.6] | 1.966812786 | 1 | 0.16078657 |
| avg\_posterior\_jz\_v1 | 7.0 [4.8-8.6] | 5.3 [4.8-7.0] | 1.056265456 | 1 | 0.30406850 |
| avg\_posterior\_outer\_v1 | 7.2 [4.8-9.1] | 7.8 [5.7-9.3] | 0.270038748 | 1 | 0.60330578 |
| avg\_contractions\_v2 | 3.2 [2.1-5.2] | 0.0 [0.0-2.2] | 3.404019482 | 1 | 0.06503776 |
| avg\_frame\_duration\_v2 | 27.5 [19.8-38.4] | 20.0 [16.5-26.1] | 0.754464286 | 1 | 0.38506648 |
| avg\_anterior\_jz\_v2 | 6.4 [4.3-8.3] | 5.3 [5.1-7.4] | 0.159847967 | 1 | 0.68929653 |
| avg\_anterior\_outer\_v2 | 6.3 [4.3-7.8] | 8.0 [6.6-8.8] | 2.392922205 | 1 | 0.12188560 |
| avg\_posterior\_jz\_v2 | 7.0 [4.0-8.6] | 5.3 [4.8-7.0] | 0.409641290 | 1 | 0.52215163 |
| avg\_posterior\_outer\_v2 | 7.2 [4.7-9.3] | 7.8 [6.6-9.4] | 0.680653427 | 1 | 0.40936181 |
| avg\_contractions\_v1\_s1 | 3.0 [1.2-6.0] | 2.0 [0.4-5.8] | 0.826661740 | 1 | 0.36323960 |
| avg\_frame\_duration\_v1\_s1 | 23.4 [15.9-31.0] | 17.8 [14.9-35.5] | 0.046682099 | 1 | 0.82894066 |
| avg\_anterior\_jz\_v1\_s1 | 5.7 [4.2-7.0] | 5.3 [4.1-8.6] | 0.041368210 | 1 | 0.83882884 |
| avg\_anterior\_outer\_v1\_s1 | 7.7 [6.1-9.4] | 5.8 [4.6-7.5] | 5.405407189 | 1 | 0.02007447 |
| avg\_posterior\_jz\_v1\_s1 | 5.8 [4.2-7.5] | 5.4 [4.0-9.1] | 0.046946494 | 1 | 0.82846444 |
| avg\_posterior\_outer\_v1\_s1 | 7.9 [6.3-9.6] | 7.3 [5.8-8.8] | 1.863194918 | 1 | 0.17225651 |
| avg\_contractions\_v1\_s2 | 3.5 [2.0-5.0] | 4.0 [1.0-6.8] | 0.002523749 | 1 | 0.95993359 |
| avg\_frame\_duration\_v1\_s2 | 21.5 [16.3-35.5] | 18.0 [11.4-21.0] | 2.913003096 | 1 | 0.08786812 |
| avg\_anterior\_jz\_v1\_s2 | 5.7 [4.0-6.7] | 4.7 [3.6-6.2] | 1.104602171 | 1 | 0.29325833 |
| avg\_anterior\_outer\_v1\_s2 | 6.9 [5.3-9.4] | 6.4 [6.1-7.6] | 0.040865014 | 1 | 0.83979870 |
| avg\_posterior\_jz\_v1\_s2 | 5.9 [4.5-7.3] | 4.9 [4.3-7.1] | 0.702245165 | 1 | 0.40203031 |
| avg\_posterior\_outer\_v1\_s2 | 7.3 [6.2-9.7] | 7.2 [5.6-8.5] | 1.054957895 | 1 | 0.30436800 |
| avg\_contractions\_v2\_s1 | 4.0 [2.0-5.0] | 2.0 [0.0-4.2] | 2.501435656 | 1 | 0.11374257 |
| avg\_frame\_duration\_v2\_s1 | 24.9 [20.5-35.1] | 30.1 [22.9-32.7] | 0.115430702 | 1 | 0.73404410 |
| avg\_anterior\_jz\_v2\_s1 | 5.2 [4.6-6.3] | 5.9 [5.1-7.5] | 1.136573437 | 1 | 0.28637754 |
| avg\_anterior\_outer\_v2\_s1 | 7.6 [6.2-9.6] | 6.1 [5.1-9.6] | 2.309552392 | 1 | 0.12858107 |
| avg\_posterior\_jz\_v2\_s1 | 5.7 [4.7-7.4] | 5.9 [4.6-8.0] | 0.167666871 | 1 | 0.68219371 |
| avg\_posterior\_outer\_v2\_s1 | 8.3 [7.2-10.7] | 7.1 [5.7-8.8] | 2.682259299 | 1 | 0.10147167 |
| avg\_contractions\_v2\_s2 | 4.2 [3.0-6.0] | 2.5 [0.8-5.4] | 1.962339595 | 1 | 0.16126332 |
| avg\_frame\_duration\_v2\_s2 | 19.2 [15.4-27.3] | 25.4 [11.7-30.5] | 0.007792208 | 1 | 0.92965931 |
| avg\_anterior\_jz\_v2\_s2 | 5.4 [4.4-7.1] | 5.8 [4.5-6.6] | 0.009118541 | 1 | 0.92392480 |
| avg\_anterior\_outer\_v2\_s2 | 6.7 [5.4-8.6] | 5.7 [5.3-9.1] | 0.275835866 | 1 | 0.59944362 |
| avg\_posterior\_jz\_v2\_s2 | 5.5 [5.1-6.7] | 6.1 [5.3-8.0] | 0.589285714 | 1 | 0.44269546 |
| avg\_posterior\_outer\_v2\_s2 | 8.6 [6.7-10.2] | 7.3 [6.0-9.6] | 1.195484559 | 1 | 0.27422604 |