| **rowname** | **level** | **Dysmenorrhea** | **Endometriosis** | **Fibroid** | **Healthy.Control** |
| --- | --- | --- | --- | --- | --- |
| n |  | 112 | 16 | 15 | 29 |
| Race.... | Asian | 18 (16.1) | 0 (0.0) | 0 (0.0) | 3 (10.3) |
| X | Black | 15 (13.4) | 4 (25.0) | 10 (66.7) | 3 (10.3) |
| X.1 | Missing | 2 (1.8) | 0 (0.0) | 1 (6.7) | 0 (0.0) |
| X.2 | Multiple Race | 6 (5.4) | 2 (12.5) | 0 (0.0) | 2 (6.9) |
| X.3 | Other | 4 (3.6) | 1 (6.2) | 0 (0.0) | 0 (0.0) |
| X.4 | White | 67 (59.8) | 9 (56.2) | 4 (26.7) | 21 (72.4) |
| Age..median..IQR.. |  | 24.00 [21.00, 31.25] | 29.00 [23.00, 33.25] | 36.00 [32.00, 42.50] | 24.00 [21.00, 33.00] |
| Ethnicity.... | Hispanic or Latino/a/x | 19 (17.0) | 3 (18.8) | 0 (0.0) | 4 (13.8) |
| X.5 | Missing | 3 (2.7) | 0 (0.0) | 1 (6.7) | 0 (0.0) |
| X.6 | Not Hispanic or Latino/a/x | 90 (80.4) | 13 (81.2) | 14 (93.3) | 25 (86.2) |
| Education.... | Associate's Degree | 5 (4.5) | 1 (6.2) | 0 (0.0) | 0 (0.0) |
| X.7 | Bachelor's Degree | 47 (42.0) | 7 (43.8) | 7 (46.7) | 9 (31.0) |
| X.8 | Completed High School | 8 (7.1) | 1 (6.2) | 0 (0.0) | 3 (10.3) |
| X.9 | Grade School | 0 (0.0) | 1 (6.2) | 0 (0.0) | 0 (0.0) |
| X.10 | Postgraduate Degree | 19 (17.0) | 3 (18.8) | 5 (33.3) | 9 (31.0) |
| X.11 | Some College | 33 (29.5) | 3 (18.8) | 3 (20.0) | 8 (27.6) |
| Employment.... | Disabled | 0 (0.0) | 0 (0.0) | 1 (6.7) | 0 (0.0) |
| X.12 | Student | 34 (30.4) | 3 (18.8) | 1 (6.7) | 11 (37.9) |
| X.13 | Unemployed | 8 (7.1) | 0 (0.0) | 0 (0.0) | 1 (3.4) |
| X.14 | Work Full-time | 34 (30.4) | 10 (62.5) | 9 (60.0) | 13 (44.8) |
| X.15 | Work Part-time | 36 (32.1) | 3 (18.8) | 4 (26.7) | 4 (13.8) |
| Do.you.smoke.cigarettes..... | No | 105 (93.8) | 14 (87.5) | 14 (93.3) | 27 (93.1) |
| X.16 | Not currently, but I used to | 4 (3.6) | 1 (6.2) | 1 (6.7) | 1 (3.4) |
| X.17 | Yes | 3 (2.7) | 1 (6.2) | 0 (0.0) | 1 (3.4) |
| Do.you.drink.alcohol..... | No | 37 (33.0) | 5 (31.2) | 4 (26.7) | 7 (24.1) |
| X.18 | Not currently, but I used to | 8 (7.1) | 3 (18.8) | 1 (6.7) | 1 (3.4) |
| X.19 | Yes | 67 (59.8) | 8 (50.0) | 10 (66.7) | 21 (72.4) |
| Average.menstrual.pain..last.90.days.without.pain.relievers...median..IQR.. |  | 72.00 [65.00, 82.00] | 75.00 [68.75, 85.50] | 80.00 [69.50, 90.50] | 7.00 [1.00, 20.00] |
| Average.menstrual.pain..last.90.days.with.use.of.NSAIDs...median..IQR.. |  | 47.50 [27.00, 62.25] | 58.00 [35.25, 67.00] | 47.00 [33.00, 66.00] | 2.00 [0.00, 8.75] |
| Days.of.missed.work.school.activities.due.to.menstrual.pain..last.90.days...mean..SD.. |  | 2.12 (2.75) | 5.36 (6.82) | 3.67 (2.77) | NaN (NA) |
| Average.length.of.menstrual.cycle..mean..SD.. |  | 18.83 (12.35) | 16.07 (14.03) | 16.92 (11.79) | 19.17 (12.55) |
| Average.length.of.menstrual.period..mean..SD.. |  | 5.67 (1.33) | 6.62 (1.59) | 6.73 (1.33) | 4.97 (1.18) |
| Menstrual.Cycle.Regularity.... | Always regular (22-34 days) | 89 (79.5) | 13 (81.2) | 14 (93.3) | 27 (93.1) |
| X.20 | Sometimes irregular | 19 (17.0) | 3 (18.8) | 0 (0.0) | 2 (6.9) |
| X.21 | Usually or always irregular | 4 (3.6) | 0 (0.0) | 1 (6.7) | 0 (0.0) |
| Current.usage.of.birth.control.pills.... | No | 94 (83.9) | 13 (81.2) | 15 (100.0) | 16 (55.2) |
| X.22 | Yes | 18 (16.1) | 3 (18.8) | 0 (0.0) | 13 (44.8) |
| Past.usage.of.birth.control.pills.... | No | 79 (70.5) | 11 (68.8) | 7 (46.7) | 14 (48.3) |
| X.23 | Yes | 33 (29.5) | 5 (31.2) | 8 (53.3) | 15 (51.7) |
| Number.of.pregnancies..mean..SD.. |  | 0.27 (0.82) | 0.94 (1.95) | 1.00 (2.10) | 0.52 (1.09) |
| Number.of.deliveries..mean..SD.. |  | 1.41 (1.58) | 1.60 (1.95) | 0.83 (1.17) | 1.83 (1.47) |
| Number.of.vaginal.births..mean..SD.. |  | 1.00 (1.54) | 0.40 (0.55) | 0.67 (0.82) | 1.67 (1.37) |
| BMI..median..IQR.. |  | 23.46 [21.45, 27.63] | 23.47 [21.47, 25.48] | 23.91 [22.65, 27.31] | 22.46 [21.26, 25.39] |
| Painful.Bladder.Syndrome.or.Interstitial.Cystitis.... | 0 | 111 (99.1) | 16 (100.0) | 15 (100.0) | 29 (100.0) |
| X.24 | 1 | 1 (0.9) | 0 (0.0) | 0 (0.0) | 0 (0.0) |
| Chronic.Pelvic.Pain.... | 0 | 107 (95.5) | 11 (68.8) | 15 (100.0) | 29 (100.0) |
| X.25 | 1 | 5 (4.5) | 5 (31.2) | 0 (0.0) | 0 (0.0) |
| Fibroids.... | 0 | 110 (98.2) | 12 (75.0) | 3 (20.0) | 29 (100.0) |
| X.26 | 1 | 2 (1.8) | 4 (25.0) | 12 (80.0) | 0 (0.0) |
| Endometriosis.... | 0 | 110 (98.2) | 2 (12.5) | 15 (100.0) | 29 (100.0) |
| X.27 | 1 | 2 (1.8) | 14 (87.5) | 0 (0.0) | 0 (0.0) |
| Ovarian.Cysts.... | 0 | 103 (92.0) | 8 (50.0) | 9 (60.0) | 26 (89.7) |
| X.28 | 1 | 9 (8.0) | 8 (50.0) | 6 (40.0) | 3 (10.3) |
| Pelvic.Inflammatory.Disease.... | 0 | 112 (100.0) | 16 (100.0) | 15 (100.0) | 29 (100.0) |
| Dysmenorrhea.... | 0 | 96 (85.7) | 8 (50.0) | 12 (80.0) | 29 (100.0) |
| X.29 | 1 | 16 (14.3) | 8 (50.0) | 3 (20.0) | 0 (0.0) |
| Kidney.Stones.... | 0 | 111 (99.1) | 16 (100.0) | 15 (100.0) | 27 (93.1) |
| X.30 | 1 | 1 (0.9) | 0 (0.0) | 0 (0.0) | 2 (6.9) |
| Inflammatory.Bowel.Disease.... | 0 | 112 (100.0) | 16 (100.0) | 15 (100.0) | 28 (96.6) |
| X.31 | 1 | 0 (0.0) | 0 (0.0) | 0 (0.0) | 1 (3.4) |
| Irritable.Bowel.Disease.... | 0 | 103 (92.0) | 15 (93.8) | 15 (100.0) | 27 (93.1) |
| X.32 | 1 | 9 (8.0) | 1 (6.2) | 0 (0.0) | 2 (6.9) |
| Chronic.Constipation.... | 0 | 108 (96.4) | 16 (100.0) | 15 (100.0) | 29 (100.0) |
| X.33 | 1 | 4 (3.6) | 0 (0.0) | 0 (0.0) | 0 (0.0) |
| Chronic.Diarrhea.... | 0 | 110 (98.2) | 16 (100.0) | 15 (100.0) | 28 (96.6) |
| X.34 | 1 | 2 (1.8) | 0 (0.0) | 0 (0.0) | 1 (3.4) |
| Migraine.Headaches.... | 0 | 103 (92.0) | 11 (68.8) | 12 (80.0) | 28 (96.6) |
| X.35 | 1 | 9 (8.0) | 5 (31.2) | 3 (20.0) | 1 (3.4) |
| Hypertension.... | 0 | 112 (100.0) | 15 (93.8) | 14 (93.3) | 28 (96.6) |
| X.36 | 1 | 0 (0.0) | 1 (6.2) | 1 (6.7) | 1 (3.4) |
| Arthritis.... | 0 | 108 (96.4) | 15 (93.8) | 15 (100.0) | 28 (96.6) |
| X.37 | 1 | 4 (3.6) | 1 (6.2) | 0 (0.0) | 1 (3.4) |
| Lower.Back.Pain.... | 0 | 103 (92.0) | 14 (87.5) | 14 (93.3) | 26 (89.7) |
| X.38 | 1 | 9 (8.0) | 2 (12.5) | 1 (6.7) | 3 (10.3) |
| Cancer.... | 0 | 112 (100.0) | 15 (93.8) | 15 (100.0) | 29 (100.0) |
| X.39 | 1 | 0 (0.0) | 1 (6.2) | 0 (0.0) | 0 (0.0) |
| Diabetes.... | 0 | 110 (98.2) | 15 (93.8) | 15 (100.0) | 29 (100.0) |
| X.40 | 1 | 2 (1.8) | 1 (6.2) | 0 (0.0) | 0 (0.0) |
| Fibromyalgia.... | 0 | 110 (98.2) | 15 (93.8) | 15 (100.0) | 29 (100.0) |
| X.41 | 1 | 2 (1.8) | 1 (6.2) | 0 (0.0) | 0 (0.0) |
| Visit.1..Baseline.pain.between.cramps..mean..SD.. |  | 3.66 (1.90) | 3.78 (1.48) | 3.40 (2.41) | 0.05 (0.22) |
| Visit.1..Baseline.maximum.cramping.pain..mean..SD.. |  | 5.91 (1.91) | 6.00 (2.40) | 4.82 (2.14) | 0.20 (0.52) |
| Visit.1..Pain.between.cramps.scan.1..mean..SD.. |  | 3.46 (1.97) | 3.78 (1.79) | 3.73 (2.28) | 0.10 (0.31) |
| Visit.1..Maximum.cramping.pain.scan.1..mean..SD.. |  | 6.19 (1.92) | 6.11 (1.83) | 6.55 (2.30) | 0.45 (0.89) |
| Visit.1..Pain.between.cramps.90.minutes.post.drug..mean..SD.. |  | 2.53 (1.94) | 2.89 (2.32) | 2.00 (2.26) | 0.10 (0.31) |
| Visit.1..Maximum.cramping.pain.90.minutes.post.drug..mean..SD.. |  | 3.77 (2.20) | 3.78 (2.95) | 3.20 (2.15) | 0.25 (0.64) |
| Visit.1..Pain.between.cramps.pre.scan.2..mean..SD.. |  | 2.42 (1.96) | 2.62 (2.56) | 2.20 (2.39) | 0.11 (0.32) |
| Visit.1..Maximum.cramping.pain.pre.scan.2..mean..SD.. |  | 3.74 (2.24) | 3.50 (3.21) | 3.18 (2.32) | 0.26 (0.65) |
| Visit.1..Pain.between.cramps.scan.2..mean..SD.. |  | 2.39 (1.99) | 2.33 (2.45) | 2.45 (2.30) | 0.11 (0.32) |
| Visit.1..Maximum.cramping.pain.scan.2..mean..SD.. |  | 4.33 (2.41) | 4.11 (3.10) | 4.45 (2.42) | 0.32 (0.82) |
| Visit.2..Baseline.pain.between.cramps..mean..SD.. |  | 3.87 (2.04) | 4.50 (1.29) | 4.38 (1.30) | 0.06 (0.24) |
| Visit.2..Baseline.maximum.cramping.pain..mean..SD.. |  | 6.13 (1.58) | 6.50 (1.29) | 5.75 (1.28) | 0.24 (0.44) |
| Visit.2..Pain.between.cramps.scan.1..mean..SD.. |  | 4.11 (2.00) | 5.00 (0.82) | 4.38 (1.19) | 0.06 (0.24) |
| Visit.2..Maximum.cramping.pain.scan.1..mean..SD.. |  | 6.73 (1.40) | 6.25 (0.50) | 7.12 (1.73) | 0.41 (0.62) |
| Visit.2..Pain.between.cramps.90.minutes.post.drug..mean..SD.. |  | 2.59 (2.17) | 2.75 (2.50) | 3.00 (2.20) | 0.00 (0.00) |
| Visit.2..Maximum.cramping.pain.90.minutes.post.drug..mean..SD.. |  | 3.84 (2.45) | 3.25 (2.50) | 3.88 (2.90) | 0.12 (0.33) |
| Visit.2..Pain.between.cramps.pre.scan.2..mean..SD.. |  | 2.58 (2.14) | 2.75 (2.50) | 2.62 (1.85) | 0.00 (0.00) |
| Visit.2..Maximum.cramping.pain.pre.scan.2..mean..SD.. |  | 3.82 (2.47) | 3.25 (2.50) | 4.38 (2.67) | 0.06 (0.24) |
| Visit.2..Pain.between.cramps.scan.2..mean..SD.. |  | 2.44 (2.22) | 2.25 (2.87) | 3.00 (2.27) | 0.00 (0.00) |
| Visit.2..Maximum.cramping.pain.scan.2..mean..SD.. |  | 4.07 (2.63) | 3.25 (2.99) | 5.00 (2.88) | 0.18 (0.39) |
| Menses.Visit..Baseline.average.cramping.pain..mean..SD.. |  | 3.82 (1.71) | 5.14 (1.68) | 5.25 (2.22) | 0.11 (0.33) |
| Menses.Visit..Baseline.maximum.cramping.pain..mean..SD.. |  | 6.31 (1.77) | 7.57 (0.79) | 7.62 (2.50) | 0.22 (0.44) |
| Menses.Visit..Average.cramping.pain.post.scan..mean..SD.. |  | 4.17 (1.97) | 5.21 (1.29) | 5.50 (2.08) | 0.11 (0.33) |
| Menses.Visit..Maximum.cramping.pain.post.scan..mean..SD.. |  | 6.69 (1.63) | 8.14 (0.69) | 7.50 (2.08) | 0.22 (0.67) |
| Non.menses.Visit..Baseline.average.cramping.pain..mean..SD.. |  | 0.00 (0.00) | 1.33 (1.53) | 0.25 (0.50) | 0.00 (0.00) |
| Non.menses.Visit..Baseline.maximum.cramping.pain..mean..SD.. |  | 0.00 (0.00) | 1.33 (1.53) | 0.25 (0.50) | 0.20 (0.45) |
| Non.menses.Visit..Average.cramping.pain.post.scan..mean..SD.. |  | 0.00 (0.00) | 1.33 (1.53) | 0.25 (0.50) | 0.00 (0.00) |
| Non.menses.Visit..Maximum.cramping.pain.post.scan..mean..SD.. |  | 0.00 (0.00) | 2.00 (1.00) | 0.50 (1.00) | 0.00 (0.00) |
| Days.of.menstrual.pain.in.an.average.month..mean..SD.. |  | 3.57 (2.69) | 6.64 (5.29) | 4.47 (2.33) | NaN (NA) |
| Sharp.menstrual.pain.severity..mean..SD.. |  | 54.58 (25.27) | 67.94 (17.77) | 64.79 (25.86) | 5.46 (11.33) |
| Pressing.menstrual.pain.severity..mean..SD.. |  | 55.17 (25.23) | 57.94 (32.25) | 68.79 (16.55) | 8.21 (10.61) |
| Dull.menstrual.pain.severity..mean..SD.. |  | 59.39 (20.74) | 67.69 (22.28) | 65.20 (22.94) | 12.38 (15.36) |
| Prickling.menstrual.pain.severity..mean..SD.. |  | 24.67 (25.69) | 27.94 (22.79) | 30.53 (33.42) | 1.03 (3.15) |
| Worst.menstrual.pain.last.12.months..mean..SD.. |  | 7.66 (1.70) | 8.11 (0.93) | 8.64 (1.36) | 1.76 (1.52) |