| **rowname** | **level** | **Dysmenorrhea** | **Endometriosis** | **Fibroid** | **Pain.Free.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.. |  | 24.0 [21.0, 31.2] | 29.0 [23.0, 33.2] | 36.0 [32.0, 42.5] | 24.0 [21.0, 33.0] |
| 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.. |  | 72.0 [65.0, 82.0] | 75.0 [68.8, 85.5] | 80.0 [69.5, 90.5] | 7.0 [1.0, 20.0] |
| Average.menstrual.pain..last.90.days.with.use.of.NSAIDs...median..IQR.. |  | 47.5 [27.0, 62.2] | 58.0 [35.2, 67.0] | 47.0 [33.0, 66.0] | 2.0 [0.0, 8.8] |
| Days.of.missed.work.school.activities.due.to.menstrual.pain..last.90.days...mean..SD.. |  | 2.1 (2.8) | 5.4 (6.8) | 3.7 (2.8) | NaN (NA) |
| Average.length.of.menstrual.cycle..mean..SD.. |  | 18.8 (12.3) | 16.1 (14.0) | 16.9 (11.8) | 19.2 (12.5) |
| Average.length.of.menstrual.period..mean..SD.. |  | 5.7 (1.3) | 6.6 (1.6) | 6.7 (1.3) | 5.0 (1.2) |
| 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.. |  | 0.3 (0.8) | 0.9 (1.9) | 1.0 (2.1) | 0.5 (1.1) |
| Number.of.deliveries..mean..SD.. |  | 1.4 (1.6) | 1.6 (1.9) | 0.8 (1.2) | 1.8 (1.5) |
| Number.of.vaginal.births..mean..SD.. |  | 1.0 (1.5) | 0.4 (0.5) | 0.7 (0.8) | 1.7 (1.4) |
| BMI..median..IQR.. |  | 23.5 [21.4, 27.6] | 23.5 [21.5, 25.5] | 23.9 [22.6, 27.3] | 22.5 [21.3, 25.4] |
| 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.. |  | 3.7 (1.9) | 3.8 (1.5) | 3.4 (2.4) | 0.0 (0.2) |
| Visit.1..Baseline.maximum.cramping.pain..mean..SD.. |  | 5.9 (1.9) | 6.0 (2.4) | 4.8 (2.1) | 0.2 (0.5) |
| Visit.1..Pain.between.cramps.scan.1..mean..SD.. |  | 3.5 (2.0) | 3.8 (1.8) | 3.7 (2.3) | 0.1 (0.3) |
| Visit.1..Maximum.cramping.pain.scan.1..mean..SD.. |  | 6.2 (1.9) | 6.1 (1.8) | 6.5 (2.3) | 0.4 (0.9) |
| Visit.1..Pain.between.cramps.90.minutes.post.drug..mean..SD.. |  | 2.5 (1.9) | 2.9 (2.3) | 2.0 (2.3) | 0.1 (0.3) |
| Visit.1..Maximum.cramping.pain.90.minutes.post.drug..mean..SD.. |  | 3.8 (2.2) | 3.8 (2.9) | 3.2 (2.1) | 0.2 (0.6) |
| Visit.1..Pain.between.cramps.pre.scan.2..mean..SD.. |  | 2.4 (2.0) | 2.6 (2.6) | 2.2 (2.4) | 0.1 (0.3) |
| Visit.1..Maximum.cramping.pain.pre.scan.2..mean..SD.. |  | 3.7 (2.2) | 3.5 (3.2) | 3.2 (2.3) | 0.3 (0.7) |
| Visit.1..Pain.between.cramps.scan.2..mean..SD.. |  | 2.4 (2.0) | 2.3 (2.4) | 2.5 (2.3) | 0.1 (0.3) |
| Visit.1..Maximum.cramping.pain.scan.2..mean..SD.. |  | 4.3 (2.4) | 4.1 (3.1) | 4.5 (2.4) | 0.3 (0.8) |
| Visit.2..Baseline.pain.between.cramps..mean..SD.. |  | 3.9 (2.0) | 4.5 (1.3) | 4.4 (1.3) | 0.1 (0.2) |
| Visit.2..Baseline.maximum.cramping.pain..mean..SD.. |  | 6.1 (1.6) | 6.5 (1.3) | 5.8 (1.3) | 0.2 (0.4) |
| Visit.2..Pain.between.cramps.scan.1..mean..SD.. |  | 4.1 (2.0) | 5.0 (0.8) | 4.4 (1.2) | 0.1 (0.2) |
| Visit.2..Maximum.cramping.pain.scan.1..mean..SD.. |  | 6.7 (1.4) | 6.2 (0.5) | 7.1 (1.7) | 0.4 (0.6) |
| Visit.2..Pain.between.cramps.90.minutes.post.drug..mean..SD.. |  | 2.6 (2.2) | 2.8 (2.5) | 3.0 (2.2) | 0.0 (0.0) |
| Visit.2..Maximum.cramping.pain.90.minutes.post.drug..mean..SD.. |  | 3.8 (2.4) | 3.2 (2.5) | 3.9 (2.9) | 0.1 (0.3) |
| Visit.2..Pain.between.cramps.pre.scan.2..mean..SD.. |  | 2.6 (2.1) | 2.8 (2.5) | 2.6 (1.8) | 0.0 (0.0) |
| Visit.2..Maximum.cramping.pain.pre.scan.2..mean..SD.. |  | 3.8 (2.5) | 3.2 (2.5) | 4.4 (2.7) | 0.1 (0.2) |
| Visit.2..Pain.between.cramps.scan.2..mean..SD.. |  | 2.4 (2.2) | 2.2 (2.9) | 3.0 (2.3) | 0.0 (0.0) |
| Visit.2..Maximum.cramping.pain.scan.2..mean..SD.. |  | 4.1 (2.6) | 3.2 (3.0) | 5.0 (2.9) | 0.2 (0.4) |
| Menses.Visit..Baseline.average.cramping.pain..mean..SD.. |  | 3.8 (1.7) | 5.1 (1.7) | 5.2 (2.2) | 0.1 (0.3) |
| Menses.Visit..Baseline.maximum.cramping.pain..mean..SD.. |  | 6.3 (1.8) | 7.6 (0.8) | 7.6 (2.5) | 0.2 (0.4) |
| Menses.Visit..Average.cramping.pain.post.scan..mean..SD.. |  | 4.2 (2.0) | 5.2 (1.3) | 5.5 (2.1) | 0.1 (0.3) |
| Menses.Visit..Maximum.cramping.pain.post.scan..mean..SD.. |  | 6.7 (1.6) | 8.1 (0.7) | 7.5 (2.1) | 0.2 (0.7) |
| Non.menses.Visit..Baseline.average.cramping.pain..mean..SD.. |  | 0.0 (0.0) | 1.3 (1.5) | 0.2 (0.5) | 0.0 (0.0) |
| Non.menses.Visit..Baseline.maximum.cramping.pain..mean..SD.. |  | 0.0 (0.0) | 1.3 (1.5) | 0.2 (0.5) | 0.2 (0.4) |
| Non.menses.Visit..Average.cramping.pain.post.scan..mean..SD.. |  | 0.0 (0.0) | 1.3 (1.5) | 0.2 (0.5) | 0.0 (0.0) |
| Non.menses.Visit..Maximum.cramping.pain.post.scan..mean..SD.. |  | 0.0 (0.0) | 2.0 (1.0) | 0.5 (1.0) | 0.0 (0.0) |
| Days.of.menstrual.pain.in.an.average.month..mean..SD.. |  | 3.6 (2.7) | 6.6 (5.3) | 4.5 (2.3) | NaN (NA) |
| Sharp.menstrual.pain.severity..mean..SD.. |  | 54.6 (25.3) | 67.9 (17.8) | 64.8 (25.9) | 5.5 (11.3) |
| Pressing.menstrual.pain.severity..mean..SD.. |  | 55.2 (25.2) | 57.9 (32.2) | 68.8 (16.5) | 8.2 (10.6) |
| Dull.menstrual.pain.severity..mean..SD.. |  | 59.4 (20.7) | 67.7 (22.3) | 65.2 (22.9) | 12.4 (15.4) |
| Prickling.menstrual.pain.severity..mean..SD.. |  | 24.7 (25.7) | 27.9 (22.8) | 30.5 (33.4) | 1.0 (3.1) |
| Worst.menstrual.pain.last.12.months..mean..SD.. |  | 7.7 (1.7) | 8.1 (0.9) | 8.6 (1.4) | 1.8 (1.5) |
| group\_secondary\_eh19.... | Adenomyosis | 6 (7.9) | 2 (22.2) | 2 (18.2) | 0 (0.0) |
| X.42 | Dysmenorrhea | 60 (78.9) | 0 (0.0) | 2 (18.2) | 0 (0.0) |
| X.43 | Endometriosis | 0 (0.0) | 7 (77.8) | 0 (0.0) | 0 (0.0) |
| X.44 | Fibroid | 10 (13.2) | 0 (0.0) | 7 (63.6) | 1 (5.0) |
| X.45 | Pain Free Control | 0 (0.0) | 0 (0.0) | 0 (0.0) | 19 (95.0) |