pain\_patients

2024-06-30

## R Markdown

| **Characteristic** | **N = 347**1 |
| --- | --- |
| **Age at last birthday (in years)** | 23.95 ± 10.85 |
| **Age Category** |  |
| *Adolescent (13 - 19)* | 119.0 (34.3%) |
| *Children (0 - 12)* | 34.0 (9.8%) |
| *Middle Aged Adult (40 - 59)* | 33.0 (9.5%) |
| *Old Adult (60+)* | 2.0 (0.6%) |
| *Young Adult (20 - 39)* | 159.0 (45.8%) |
| **Sex** |  |
| *Female* | 246.0 (70.9%) |
| *Male* | 101.0 (29.1%) |
| 1Mean ± SD; n (%) | |

| **Characteristic** | **N = 347**1 |
| --- | --- |
| **Duration of Orthodontic Treatment** |  |
| *> 2 years but < 4 years* | 67.0 (19.3%) |
| *> 4 years* | 47.0 (13.5%) |
| *1 - 2 years* | 116.0 (33.4%) |
| *Less than 1 year* | 117.0 (33.7%) |
| **Type of Orthodontic Appliance** |  |
| *Aligners* | 7.0 (2.0%) |
| *Conventional braces* | 268.0 (77.2%) |
| *Functional appliance* | 6.0 (1.7%) |
| *Lingual braces* | 6.0 (1.7%) |
| *Removable* | 7.0 (2.0%) |
| *Self ligating braces* | 53.0 (15.3%) |
| **Location of Orthodontic Treatment** |  |
| *Government owned clinic* | 179.0 (51.6%) |
| *Private clinic* | 168.0 (48.4%) |
| 1n (%) | |

| **Characteristic** | **N = 347**1 |
| --- | --- |
| **Pain/Discomfort Experience during Initial Installation** | 312.0 (89.9%) |
| **Pain/Discomfort Rating (1-10 Scale)** | 5.59 ± 2.78 |
| **Level of Pain Description** |  |
| *Distressing* | 58.0 (18.6%) |
| *Mild* | 64.0 (20.5%) |
| *Unbearable* | 7.0 (2.2%) |
| *Uncomfortable* | 165.0 (52.9%) |
| *Very Severe* | 18.0 (5.8%) |
| *Unknown* | 35 |
| **Duration of Pain/Discomfort (Hours)** |  |
| *> 6 days* | 49.0 (15.7%) |
| *1-3 days* | 156.0 (50.0%) |
| *4-6 days* | 107.0 (34.3%) |
| *Unknown* | 35 |
| 1n (%); Mean ± SD | |

| **Characteristic** | **N = 347**1 |
| --- | --- |
| **Informed about the possibility of Pain by Orthodontist** |  |
| *No* | 31.0 (8.9%) |
| *Not Sure* | 27.0 (7.8%) |
| *Yes* | 289.0 (83.3%) |
| **Pain Relief Recommendation** | 245.0 (70.6%) |
| **Pain Relief Recommendation Timing** |  |
| *After the pain started* | 90.0 (38.3%) |
| *Before the pain started* | 145.0 (61.7%) |
| *Unknown* | 112 |
| **Pain Relief Option Recommended** |  |
| *Chewing gum* | 3.0 (1.3%) |
| *Diclofenac* | 5.0 (2.2%) |
| *Gaggle with salt water* | 1.0 (0.4%) |
| *Hot water and salt* | 1.0 (0.4%) |
| *I’ve cream* | 1.0 (0.4%) |
| *Ibuprofen* | 29.0 (12.7%) |
| *Ibuprofen, Diclofenac* | 3.0 (1.3%) |
| *Ice cream* | 1.0 (0.4%) |
| *Mouthwash* | 1.0 (0.4%) |
| *Not Applicable,* | 1.0 (0.4%) |
| *Nothing* | 5.0 (2.2%) |
| *Paracetamol* | 132.0 (57.9%) |
| *Paracetamol,* | 1.0 (0.4%) |
| *Paracetamol, Chewing gum* | 3.0 (1.3%) |
| *Paracetamol, Cold stuff like ice cream* | 1.0 (0.4%) |
| *Paracetamol, Diclofenac* | 2.0 (0.9%) |
| *Paracetamol, Gargle salt water* | 1.0 (0.4%) |
| *Paracetamol, Ibuprofen* | 14.0 (6.1%) |
| *Paracetamol, Ibuprofen, Cold water/foods* | 1.0 (0.4%) |
| *Paracetamol, Ibuprofen, Diclofenac* | 4.0 (1.8%) |
| *Paracetamol, Ibuprofen, Diclofenac, Cold drinks and food e.g ice* | 1.0 (0.4%) |
| *Paracetamol, Ibuprofen, Ice cream* | 1.0 (0.4%) |
| *Paracetamol, Not Applicable* | 2.0 (0.9%) |
| *Paracetamol, Salt and water solution* | 1.0 (0.4%) |
| *Paracetamol, Salt water* | 1.0 (0.4%) |
| *Paracetamol, Warm water and salt* | 1.0 (0.4%) |
| *Rinse with warm water and salt* | 1.0 (0.4%) |
| *Salt & Water solution* | 1.0 (0.4%) |
| *Sensodyne toothpaste* | 1.0 (0.4%) |
| *Vitamin C & salt in warm water* | 1.0 (0.4%) |
| *Warm noodles* | 1.0 (0.4%) |
| *Warm water and salt* | 1.0 (0.4%) |
| *Warm water and salt rinse* | 1.0 (0.4%) |
| *Wax* | 4.0 (1.8%) |
| *Unknown* | 119 |
| **Action Taken for Pain Relief in the absence of Orthodontist recommendation** | 35.0 (34.3%) |
| *Unknown* | 245 |
| **Opinion on Orthodontic Pain Management Protocol** |  |
| *I don't know* | 63.0 (18.2%) |
| *No* | 31.0 (8.9%) |
| *Yes* | 253.0 (72.9%) |
| 1n (%) | |

Effect of Pain on Activities

Not at all, N = 1,5811

A little bit, N = 1,1361

Moderately, N = 9321

Quite, N = 5001

Extremely, N = 3621

**Activities**

    Brushing

61.0 (17.6%)

90.0 (25.9%)

94.0 (27.1%)

61.0 (17.6%)

41.0 (11.8%)

    Eating/Chewing

26.0 (7.5%)

63.0 (18.2%)

94.0 (27.1%)

61.0 (17.6%)

103.0 (29.7%)

    Mental Efficiency

167.0 (48.1%)

70.0 (20.2%)

61.0 (17.6%)

31.0 (8.9%)

18.0 (5.2%)

    Performing Household Chores

162.0 (46.7%)

85.0 (24.5%)

64.0 (18.4%)

25.0 (7.2%)

11.0 (3.2%)

    Physical Activities

153.0 (44.1%)

89.0 (25.6%)

55.0 (15.9%)

33.0 (9.5%)

17.0 (4.9%)

    Physical Exercise

156.0 (45.0%)

90.0 (25.9%)

53.0 (15.3%)

36.0 (10.4%)

12.0 (3.5%)

    Recreation and Hobbies

137.0 (39.5%)

99.0 (28.5%)

64.0 (18.4%)

35.0 (10.1%)

12.0 (3.5%)

    Sleep

104.0 (30.0%)

97.0 (28.0%)

78.0 (22.5%)

41.0 (11.8%)

27.0 (7.8%)

    Smiling

113.0 (32.6%)

96.0 (27.7%)

74.0 (21.3%)

34.0 (9.8%)

30.0 (8.6%)

    Socializing with Friends

106.0 (30.5%)

112.0 (32.3%)

74.0 (21.3%)

35.0 (10.1%)

20.0 (5.8%)

    Talking

57.0 (16.4%)

96.0 (27.7%)

99.0 (28.5%)

50.0 (14.4%)

45.0 (13.0%)

    Work

150.0 (43.2%)

82.0 (23.6%)

65.0 (18.7%)

36.0 (10.4%)

14.0 (4.0%)

    Yard Work or Shopping

189.0 (54.5%)

67.0 (19.3%)

57.0 (16.4%)

22.0 (6.3%)

12.0 (3.5%)

1 n (%)

Effect of Pain on Activities

No, N = 1,5811

Yes, N = 2,9301

**Activities**

    Brushing

61.0 (17.6%)

286.0 (82.4%)

    Eating/Chewing

26.0 (7.5%)

321.0 (92.5%)

    Mental Efficiency

167.0 (48.1%)

180.0 (51.9%)

    Performing Household Chores

162.0 (46.7%)

185.0 (53.3%)

    Physical Activities

153.0 (44.1%)

194.0 (55.9%)

    Physical Exercise

156.0 (45.0%)

191.0 (55.0%)

    Recreation and Hobbies

137.0 (39.5%)

210.0 (60.5%)

    Sleep

104.0 (30.0%)

243.0 (70.0%)

    Smiling

113.0 (32.6%)

234.0 (67.4%)

    Socializing with Friends

106.0 (30.5%)

241.0 (69.5%)

    Talking

57.0 (16.4%)

290.0 (83.6%)

    Work

150.0 (43.2%)

197.0 (56.8%)

    Yard Work or Shopping

189.0 (54.5%)

158.0 (45.5%)

1 n (%)

| **Characteristic** | **N = 347**1 |
| --- | --- |
| Require Family Support and Encouragement |  |
| No | 175.0 (54.7%) |
| Not Sure | 42.0 (13.1%) |
| Yes | 103.0 (32.2%) |
| Experience Tension or Anxiety |  |
| No | 196.0 (56.5%) |
| Not Sure | 45.0 (13.0%) |
| Yes | 106.0 (30.5%) |
| Irritable and Upset |  |
| No | 231.0 (66.6%) |
| Not Sure | 31.0 (8.9%) |
| Yes | 85.0 (24.5%) |
| Depressed or Discouraged |  |
| No | 298.0 (85.9%) |
| Not Sure | 18.0 (5.2%) |
| Yes | 31.0 (8.9%) |
| 1n (%) | |