**Supplementary material**

**Supplementary Table 1**: Demographic characteristics of individuals admitted to the STEP clinic between February 1, 2019, and March 21, 2022, split into COVID-19 epochs ¥

|  |  |  |  |
| --- | --- | --- | --- |
|  | **COVID-19 Epoch** |  |  |
|  | ***Pre-pandemic*** | ***Early pandemic*** | ***Late pandemic***  | **Total** | **P value** |
|   | *N=29*  | *N=14*  | *N=58*  | *N=101* |  |
| **Age at Admission** |
| N Missing  | 0  | 0  | 0  | 0  |   |
| Mean (SD)  | 21 (4)  | 23 (4)  | 22 (4)  | 22 (4)  | 0.31  |
| Median (Range)  | 20 (16– 35)  | 22(18 – 35)  | 22 (15 – 32)  | 21 (15 – 35)  | 0.25  |
| **Years of education completed** |
| N (N Missing)  | 1  | 1  | 0  | 2  |   |
| Mean (SD)  | 12(2)  | 13 (1)  | 13 (2)  | 13 (2)  | 0.19  |
| Median (Range)  | 12 (9 – 16)  | 12(11 – 16)  | 13 (9 – 20)  | 12 (9 – 20)  | 0.23  |
| **First language** |
| Missing  | 0  | 0  | 2  | 2  |  |
| All Others  | 4 (14%)  | 1 (7%)  | 2 (4%)  | 7 (7%)  |  0.22  |
| English  | 25 (86%)  | 13 (93%)  | 54 (96%)  | 92 (93%)  |
| **Born in USA** |
| Missing  | 0  | 0  | 1   | 1  |   |
| No  | 5 (17%)  | 2 (14%)  | 4 (7%)  | 11 (11%)  |   0.26 |
| Yes  | 24 (83%)  | 12 (86%)  | 53 (93%)  | 89 (89%)  |
| **Household income before taxes, from all sources** |
| Missing  | 8  | 6  | 5  | 19   |  |
| Less than $40K  | 10 (48%)  | 3 (38%)  | 15 (28%)  | 28 (34%)  |    0.31 |
| On/above $40K  | 10 (48%)  | 3 (38%)  | 29 (55%)  | 42 (51%)  |
| Unknown/Refused  | 1 (5%)  | 2 (25%)  | 9 (17%)  | 12 (15%)  |
| **Total personal income before taxes, from all sources** |
| Missing  | 1  | 1   | 2  | 4  |   |
| Less than $40K  | 28 (100%)  | 13 (100%)  | 48 (86%)  | 89 (92%)  |   0.22  |
| On/above $40K  | 0 (0%)  | 0 (0%)  | 6 (11%)  | 6 (6%)  |
| Unknown/Refused  | 0 (0%)  | 0 (0%)  | 2 (4%)  | 2 (2%)  |
| **Racial background (self-report)** |
| Missing  | 0  | 0  | 0  | 0  |  |
| White  | 8 (28%)  | 1 (7%)  | 19 (33%)  | 28 (28%)  |    0.05   |
| Black  | 12 (41%)  | 11 (79%)  | 29 (50%)  | 52 (51%)  |
| Asian  | 1 (3%)  | 0 (0%)  | 1 (2%)  | 2 (2%)  |
| Interracial  | 4 (14%)  | 0 (0%)  | 8 (14%)  | 12 (12%)  |
| Others  | 4 (14%)  | 2 (14%)  | 1 (2%)  | 7 (7%)  |
| **Ethnicity** |
| Missing  | 0  | 0  | 0  | 0  |  |
| Non-Hispanic White  | 6 (21%)  | 1 (7%)  | 15 (26%)  | 22 (22%)  |   0.32   |
| Non-Hispanic Black  | 12 (41%)  | 11 (79%)  | 25 (43%)  | 48 (48%)  |
| Hispanic  | 4 (14%)  | 1 (7%)  | 10 (17%)  | 15 (15%)  |
| Non-Hispanic Others  | 7 (24%)  | 1 (7%)  | 8 (14%)  | 16 (16%)  |
| **Citizenship status**  |
| Missing | 0  | 0  | 1 | 1 |  |
| Permanent Resident | 3 (10%) | 0 (0%) | 0 (0%) | 3 (3%) | \*\*0.01 |
| Refugee | 1 (3%) | 1 (7%) | 0 (0%) | 2 (2%) |
| US citizen | 25 (86%) | 13 (93%) | 57 (100%) | 95 (95%) |

¥rounded to whole numbers*.*

**Supplementary table 2:** Number, percentage and rate of individuals recruited to the STEP clinic between February 1, 2014 and March 21, 2022, divided into epochs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Epoch (date range)** | **Number (N)** | **Percent** | **Cumulative (N)** | **Cumulative Percent** | **Rate (admissions/month)** |
| Pre-campaign (Feb 1, 2014–Jan 31, 2015)  | 23  | 8.46  | 23  | 8.46  | 1.9 |
| Mindmap campaign (Feb 1, 2015–Jan 31, 2019)  | 148  | 54.41  | 171  | 62.87  | 3.1 |
| Post campaign, pre pandemic  (Feb 1, 2019–Mar 14, 2020)  | 29  | 10.66  | 200  | 73.53  | 2.1 |
| Early pandemic (Mar 15, 2020-Sept 14, 2020)  | 14  | 5.15  | 214  | 78.67  | 2.3 |
| Late pandemic(Sept 15, 2020–March 21, 2022)  | 58  | 21.3  | 272  | 100  | 3.2 |

**Supplementary table 3:** Mean and median of *DUP*-*Total*, *DUP*-*Demand,* and *DUP*-*Supply* during the pre-, early, and late pandemic epochs¥.

|  |  |  |
| --- | --- | --- |
|  | **COVID-19 Epoch** | **Total** |
| ***Pre-pandemic*** | ***Early pandemic*** | ***Late pandemic*** |
| ***DUP*-*Total*(days)** |
| N (n missing)  | 29 (0)  | 14 (0)  | 56 (2)  | 99 (2)  |
| Mean (SD)  | 312 (282)  | 112 (153)  | 260 (262)  | 254 (261)  |
| Median (range)  | 208 (24-1020)  | 56 (8-560)  | 154 (1-885)  | 154 (1-1020)  |
| ***DUP*-*Demand* (days)** |
| N (n missing)  | 29 (0)  | 14 (0)  | 56 (2)  | 99 (2)  |
| Mean (SD)  | 175 (191)  | 97 (153)  | 92 (154)  | 117 (168)  |
| Median (range)  | 117 (17-714)  | 35 (2-541)  | 28 (0-690)  | 48 (0-714)  |
| ***DUP*-*Supply* (days)** |
| N (n missing)  | 29 (0)  | 14 (0)  | 56 (2)  | 99 (2)  |
| Mean (SD)  | 138 (215)  | 15 (10)  | 167 (246)  | 137 (223)  |
| Median (range)  | 31 (0-994)  | 16 (0-38)  | 29 (0-868)  | 20 (0-994)  |

¥rounded to whole numbers.