Tandem Patient Reported Outcomes (PROs)

Kristen Campbell

August 16, 2019

##Summary Stats **Table 1a: Patient Demographics - Inclusion/Exclusion**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | All (n=1061) | 0 (n=520) | 1 (n=541) | P Value |
| Which.of.the.options.below.do.you.identify.with….Selected.Choice |  |  |  | 7e-04 |
| A Parent/Guardian/Caregiver of someone with Diabetes | 233 (22%) | 138 (27%) | 95 (18%) |  |
| Other (Please Specify) | 17 (2%) | 9 (2%) | 8 (1%) |  |
| Person with Diabetes | 799 (76%) | 361 (71%) | 438 (81%) |  |
| Age.at.time.of.6.months.survey…Data.from.our.customer.databse..CRM. | 36.22Â±17.43 | 34.92Â±17.89 | 37.46Â±16.91 | 0.0178 |
| Age, categorical |  |  |  | 0.1053 |
| <18 | 218 (21%) | 118 (23%) | 100 (18%) |  |
| >=18 | 843 (79%) | 402 (77%) | 441 (82%) |  |
| Duration of diabetes at baseline (years) | 18.25Â±14.27 | 17.16Â±14.14 | 19.28Â±14.34 | 0.0223 |
| What.was.your.HbA1c.value.from.your.last.HbA1c.test. | 7.26Â±1.31 | 7.41Â±1.52 | 7.15Â±1.11 | 0.0029 |
| Any previous CGM use? |  |  |  | 0.0834 |
| No | 66 (6%) | 39 (8%) | 27 (5%) |  |
| Yes | 975 (94%) | 461 (92%) | 514 (95%) |  |
| Previous insulin method |  |  |  | 0.0506 |
| Injections | 184 (18%) | 102 (21%) | 82 (15%) |  |
| Non-Tandem Pump | 266 (26%) | 112 (23%) | 154 (28%) |  |
| Other | 13 (1%) | 6 (1%) | 7 (1%) |  |
| Tandem Pump | 574 (55%) | 276 (56%) | 298 (55%) |  |

**Table 1b: Patient Demographics - By Method**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Characteristic | All (n=541) | Injections (n=82) | Non-Tandem Pump (n=159) | Tandem Pump (n=300) | P Value |
| **Which.of.the.options.below.do.you.identify.with….Selected.Choice**\*\* |  |  |  |  | 2e-04 |
| A Parent/Guardian/Caregiver of someone with Diabetes | 97 (18%) | 28 (34%) | 19 (12%) | 50 (17%) |  |
| Other (Please Specify) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |  |
| Person with Diabetes | 444 (82%) | 54 (66%) | 140 (88%) | 250 (83%) |  |
| **Age.at.time.of.6.months.survey…Data.from.our.customer.databse..CRM.** | 37.46Â±16.91 | 31.83Â±18.86 | 38.79Â±15.13 | 38.3Â±16.99 | 0.0043 |
| **Age, categorical** |  |  |  |  | 2e-04 |
| <18 | 100 (18%) | 28 (34%) | 21 (13%) | 51 (17%) |  |
| >=18 | 441 (82%) | 54 (66%) | 138 (87%) | 249 (83%) |  |
| **Duration of diabetes at baseline (years)** | 19.28Â±14.34 | 10.55Â±13.34 | 22.91Â±12.9 | 19.87Â±14.37 | <0.0001 |
| **What.was.your.HbA1c.value.from.your.last.HbA1c.test.** | 7.15Â±1.11 | 7.51Â±1.49 | 7.18Â±1.01 | 7.03Â±1.02 | 0.0021 |
| **Any previous CGM use?**\*\* |  |  |  |  | <0.0001 |
| No | 27 (5%) | 13 (16%) | 9 (6%) | 5 (2%) |  |
| Yes | 514 (95%) | 69 (84%) | 150 (94%) | 295 (98%) |  |

##Survey Data - summary **Table 2a: Survey Summary**

|  |  |
| --- | --- |
| Characteristic | All (n=541) |
| **First mid-point survey** |  |
| 2 mo | 384 (71%) |
| 4 mo | 157 (29%) |
| **Number of questions completed at baseline** |  |
| 0 | 0 (0%) |
| 1 | 0 (0%) |
| 2 | 0 (0%) |
| 7 | 0 (0%) |
| 12 | 541 (100%) |
| **Number of questions completed at midpoint** |  |
| 12 | 541 (100%) |
| **Number of questions completed at 6 mo** |  |
| 0 | 0 (0%) |
| 12 | 541 (100%) |

##Survey Data - plots

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Characteristic | All (n=541) | Injections (n=82) | Non-Tandem Pump (n=159) | Tandem Pump (n=300) | P Value |
| **Which.of.the.options.below.do.you.identify.with….Selected.Choice**\*\* |  |  |  |  | 2e-04 |
| A Parent/Guardian/Caregiver of someone with Diabetes | 97 (18%) | 28 (34%) | 19 (12%) | 50 (17%) |  |
| Other (Please Specify) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |  |
| Person with Diabetes | 444 (82%) | 54 (66%) | 140 (88%) | 250 (83%) |  |
| **Age.at.time.of.6.months.survey…Data.from.our.customer.databse..CRM.** | 37.46Â±16.91 | 31.83Â±18.86 | 38.79Â±15.13 | 38.3Â±16.99 | 0.0043 |
| **Age, categorical** |  |  |  |  | 2e-04 |
| <18 | 100 (18%) | 28 (34%) | 21 (13%) | 51 (17%) |  |
| >=18 | 441 (82%) | 54 (66%) | 138 (87%) | 249 (83%) |  |
| **Duration of diabetes at baseline (years)** | 19.28Â±14.34 | 10.55Â±13.34 | 22.91Â±12.9 | 19.87Â±14.37 | <0.0001 |
| **What.was.your.HbA1c.value.from.your.last.HbA1c.test.** | 7.15Â±1.11 | 7.51Â±1.49 | 7.18Â±1.01 | 7.03Â±1.02 | 0.0021 |
| **Any previous CGM use?**\*\* |  |  |  |  | <0.0001 |
| No | 27 (5%) | 13 (16%) | 9 (6%) | 5 (2%) |  |
| Yes | 514 (95%) | 69 (84%) | 150 (94%) | 295 (98%) |  |
| ##Survey Data - results |  |  |  |  |  |

**Table 4a: Benefit - baseline to midpoint**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| method\_cat | lsmean | SE | df | lower.CL | upper.CL |
| Injections | 2.2786345 | 0.2104689 | 528 | 1.8651752 | 2.6920938 |
| Non-Tandem Pump | 1.0666579 | 0.1900651 | 528 | 0.6932813 | 1.4400345 |
| Tandem Pump | 0.1240996 | 0.1787212 | 528 | -0.2269922 | 0.4751915 |

**Table 4b: Benefit - midpoint to 6 month**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| method\_cat | lsmean | SE | df | lower.CL | upper.CL |
| Injections | 0.3589216 | 0.1290828 | 528 | 0.1053426 | 0.6125006 |
| Non-Tandem Pump | 0.0978083 | 0.1165689 | 528 | -0.1311876 | 0.3268041 |
| Tandem Pump | 0.0952839 | 0.1096116 | 528 | -0.1200445 | 0.3106122 |

**Table 5a: Burden - baseline to midpoint**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| method\_cat | lsmean | SE | df | lower.CL | upper.CL |
| Injections | -1.757968 | 0.2319544 | 528 | -2.213635 | -1.3023010 |
| Non-Tandem Pump | -1.156424 | 0.2094677 | 528 | -1.567916 | -0.7449317 |
| Tandem Pump | -1.181416 | 0.1969657 | 528 | -1.568348 | -0.7944831 |

**Table 5b: Burden - midpoint to 6 month**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| method\_cat | lsmean | SE | df | lower.CL | upper.CL |
| Injections | -0.0744379 | 0.1786125 | 527 | -0.4253179 | 0.2764421 |
| Non-Tandem Pump | -0.1445370 | 0.1616989 | 527 | -0.4621905 | 0.1731165 |
| Tandem Pump | -0.0122423 | 0.1516837 | 527 | -0.3102213 | 0.2857367 |