Tandem Patient Reported Outcomes (PROs)

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August 26, 2019

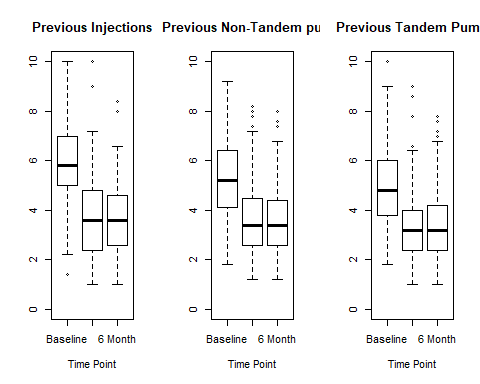
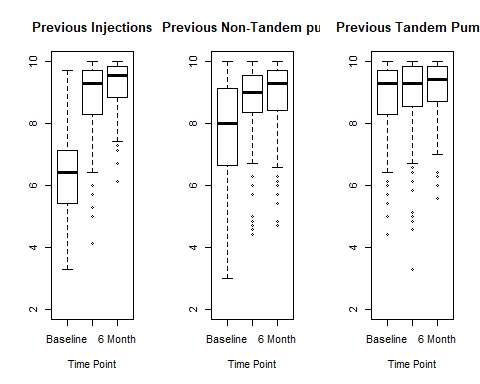
##Summary Stats **Table 1: Patient Demographics - By Method**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | Injections (n=82) | Non-Tandem Pump (n=159) | Tandem Pump (n=300) | P Value |
| **Respondent Type** |  |  |  | 1e-04 |
| A Parent/Guardian/Caregiver of someone with Diabetes | 28 (34%) | 20 (13%) | 50 (17%) |  |
| Person with Diabetes | 54 (66%) | 139 (87%) | 250 (83%) |  |
| **Age at 6 mo Survey, years** | 31.83Â±18.86 | 38.79Â±15.13 | 38.3Â±16.99 | 0.0043 |
| **Age, categorical** |  |  |  | 2e-04 |
| <18 | 28 (34%) | 21 (13%) | 51 (17%) |  |
| >=18 | 54 (66%) | 138 (87%) | 249 (83%) |  |
| **Duration of diabetes at baseline (years)** | 10.55Â±13.34 | 22.91Â±12.9 | 19.87Â±14.37 | <0.0001 |
| **HbA1c at baseline** | 7.51Â±1.49 | 7.18Â±1.01 | 7.03Â±1.02 | 0.0021 |
| **Any previous CGM use?**\*\* |  |  |  | <0.0001 |
| No | 13 (16%) | 9 (6%) | 5 (2%) |  |
| Yes | 69 (84%) | 150 (94%) | 295 (98%) |  |

##Missing Data **Table 2a: Survey Missing Data**

|  |  |
| --- | --- |
| Characteristic | All (n=1061) |
| **Baseline fully completed** | 985 (93%) |
| **2mo fully completed** | 446 (42%) |
| **4mo fully completed** | 547 (52%) |
| **6mo fully completed** | 658 (62%) |
| **All time points Complete** | 384 (36%) |
| **In Cohort - baseline, mid-point, and 6 month complete** | 541 (51%) |

There are 541 patients that met the final inclusion criteria for the analysis. Of those 541 patients, 384 (70.98%) finished a 2 month survey, so that time point was used as the mid-point. 157 (29.02%) did not have a 2 month survey, but did have a 4 month survey, so this was used as the mid-point.

##Survey Data - plots  ##Survey Data - results

**Table 4: Satisfaction changes, by previous method**

|  |  |  |
| --- | --- | --- |
| Previous Method | Change from Baseline to Mid-Point | Change from Mid-Point to 6 Month |
| Injections | 2.32 (95% CI: 1.9,2.75) | 0.31 (95% CI: 0.05,0.57) |
| Non-Tandem Pump | 1.13 (95% CI: 0.73,1.53) | 0.02 (95% CI: -0.22,0.27) |
| Tandem Pump | 0.18 (95% CI: -0.19,0.56) | 0.03 (95% CI: -0.2,0.26) |

**Table 5: Diabetes Burden changes, by previous method**

|  |  |  |
| --- | --- | --- |
| Previous Method | Change from Baseline to Mid-Point | Change from Mid-Point to 6 Month |
| Injections | -1.64 (95% CI: -2.11,-1.17) | -0.14 (95% CI: -0.5,0.23) |
| Non-Tandem Pump | -0.99 (95% CI: -1.44,-0.55) | -0.23 (95% CI: -0.57,0.11) |
| Tandem Pump | -1.04 (95% CI: -1.45,-0.62) | -0.09 (95% CI: -0.41,0.23) |

##Supplement: **Table S1: Satisfaction changes, by previous method - DIABETICS ONLY**

|  |  |  |
| --- | --- | --- |
| Previous Method | Change from Baseline to Midpoint | Change from Midpoint to 6 Months |
| Injections | 2.28 (95% CI: 1.82,2.73) | 0.4 (95% CI: 0.1,0.69) |
| Non-Tandem Pump | 0.98 (95% CI: 0.6,1.36) | 0.1 (95% CI: -0.15,0.34) |
| Tandem Pump | 0.13 (95% CI: -0.23,0.49) | 0.16 (95% CI: -0.07,0.39) |

**Table S2: Diabetes Burden changes, by previous method - DIABETICS ONLY**

|  |  |  |
| --- | --- | --- |
| Previous Method | Change from Baseline to Mid-Point | Change from Midpoint to 6 months |
| Injections | -2.04 (95% CI: -2.57,-1.52) | 0.13 (95% CI: -0.29,0.55) |
| Non-Tandem Pump | -1.27 (95% CI: -1.7,-0.83) | -0.07 (95% CI: -0.42,0.28) |
| Tandem Pump | -1.3 (95% CI: -1.71,-0.89) | 0.08 (95% CI: -0.25,0.41) |

**Table S1: 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**\*\* |  |  |  | 2e-04 |
| A Parent/Guardian/Caregiver of someone with Diabetes | 240 (23%) | 142 (28%) | 98 (18%) |  |
| Other (Please Specify) | 0 (0%) | 0 (0%) | 0 (0%) |  |
| Person with Diabetes | 809 (77%) | 366 (72%) | 443 (82%) |  |
| **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%) |  |