**Supplemental Digital Content**

**Supplemental Figure 1.** Study enrollment schema

Diagram

Description automatically generated

**Supplemental Table 1.** DPS-recorded ingestion events versus pill counts, by month over study period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Month 1** | **Month 2** | **Month 3** | **Total** |
| Total DPS-recorded ingestion events | 411 | 368 | 320 | 1,099 |
| Reader-detected ingestion events | 337 | 323 | 262 | 922 |
| Manually-reported ingestion events | 74 | 45 | 58 | 177 |
| Total expected ingestion events from pill counts | 402 | 421 | 369 | 1,192 |
| % of total expected ingestions recorded by DPS | 100%\* | 87% | 87% | 92% |

\* In Month 1, the total number of DPS-recorded ingestion events (411) exceeded the total expected ingestion events from pill counts (402), as a result of one participant returning nine more unused pills than anticipated at the end of the month. These nine unused pills corresponded with nine manually-reported ingestions by one participant during Month 1.

**Supplemental Figure 2.** Schematic of reconciliation surrounding manually-reported digital pill system ingestion events

![Diagram

Description automatically generated]()