Introducing the I’-chart: an improved individuals chart for quality improvement and control

2025-05-31

## Supplementary materials: Tables

### Diabetes HbA1c data

Table 1: Diabetes HbA1c data set. 43 observations of 3 variables: month = month of measurements, avg\_hba1c = average of HbA1c measurements, n = number of patients

| month | avg\_hba1c | n |
| --- | --- | --- |
| 2019-03-01 | 59.32243 | 214 |
| 2019-04-01 | 60.24138 | 203 |
| 2019-05-01 | 58.06604 | 212 |
| 2019-06-01 | 60.42437 | 238 |
| 2019-07-01 | 62.37500 | 96 |
| 2019-08-01 | 59.31452 | 248 |
| 2019-09-01 | 60.55556 | 234 |
| 2019-10-01 | 60.29167 | 168 |
| 2019-11-01 | 59.64948 | 194 |
| 2019-12-01 | 61.78761 | 226 |
| 2020-01-01 | 60.50935 | 214 |
| 2020-02-01 | 61.63380 | 213 |
| 2020-03-01 | 62.94118 | 119 |
| 2020-04-01 | 67.94340 | 53 |
| 2020-05-01 | 61.72283 | 184 |
| 2020-06-01 | 59.93361 | 241 |
| 2020-07-01 | 61.89247 | 93 |
| 2020-08-01 | 60.97183 | 213 |
| 2020-09-01 | 59.83083 | 266 |
| 2020-10-01 | 63.62105 | 190 |
| 2020-11-01 | 62.69444 | 216 |
| 2020-12-01 | 61.37714 | 175 |
| 2021-01-01 | 62.94215 | 121 |
| 2021-02-01 | 60.78378 | 148 |
| 2021-03-01 | 60.26230 | 244 |
| 2021-04-01 | 58.81264 | 182 |
| 2021-05-01 | 58.03653 | 219 |
| 2021-06-01 | 58.87793 | 213 |
| 2021-07-01 | 63.81143 | 70 |
| 2021-08-01 | 59.22905 | 179 |
| 2021-09-01 | 57.69643 | 224 |
| 2021-10-01 | 61.42289 | 201 |
| 2021-11-01 | 62.88889 | 99 |
| 2021-12-01 | 59.90000 | 120 |
| 2022-01-01 | 60.83091 | 165 |
| 2022-02-01 | 60.02439 | 164 |
| 2022-03-01 | 57.78947 | 171 |
| 2022-04-01 | 59.07333 | 150 |
| 2022-05-01 | 60.53571 | 168 |
| 2022-06-01 | 60.46012 | 163 |
| 2022-07-01 | 57.96036 | 111 |
| 2022-08-01 | 59.26316 | 190 |
| 2022-09-01 | 57.89529 | 191 |

### Bacteremia data

Table 2: Bacteremia data set. 24 observations of 5 variables: month = month of infection, ha\_infections: number of hospital acquired infections, risk\_days = number of patient days without infection, deaths = 30-day mortality after all-cause (community + hospital) infection, patients = number of patients with all-cause infection

| month | ha\_infections | risk\_days | deaths | patients |
| --- | --- | --- | --- | --- |
| 2017-01-01 | 24 | 32421 | 23 | 100 |
| 2017-02-01 | 29 | 29349 | 22 | 105 |
| 2017-03-01 | 26 | 32981 | 13 | 99 |
| 2017-04-01 | 16 | 29588 | 14 | 85 |
| 2017-05-01 | 28 | 30856 | 17 | 98 |
| 2017-06-01 | 16 | 30544 | 15 | 85 |
| 2017-07-01 | 14 | 26482 | 15 | 89 |
| 2017-08-01 | 18 | 27637 | 25 | 99 |
| 2017-09-01 | 27 | 30495 | 21 | 103 |
| 2017-10-01 | 30 | 30600 | 24 | 86 |
| 2017-11-01 | 28 | 31770 | 23 | 110 |
| 2017-12-01 | 24 | 31679 | 26 | 98 |
| 2018-01-01 | 16 | 32720 | 18 | 93 |
| 2018-02-01 | 25 | 29698 | 23 | 96 |
| 2018-03-01 | 20 | 32118 | 24 | 115 |
| 2018-04-01 | 25 | 30212 | 25 | 102 |
| 2018-05-01 | 22 | 31612 | 15 | 94 |
| 2018-06-01 | 28 | 30514 | 21 | 94 |
| 2018-07-01 | 23 | 26362 | 26 | 94 |
| 2018-08-01 | 23 | 28131 | 16 | 97 |
| 2018-09-01 | 17 | 29071 | 25 | 114 |
| 2018-10-01 | 22 | 28481 | 22 | 108 |
| 2018-11-01 | 21 | 29223 | 24 | 102 |
| 2018-12-01 | 22 | 28611 | 18 | 104 |