

SUPPLEMENTARY MATERIAL

Title:

Evaluating the Impact of mySugr® Mobile Health Application on Glycemic Control in People with Diabetes Mellitus in India: A Real-World Data Analysis

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Table S1: SUS Score Calculation

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Weighted Average Score	SUS Score
Weights Questions	5	4	3	2	1		
Q1	0.51	0.31	0.11	0.04	0.03	4.24	3.24
Q2	0.07	0.18	0.22	0.20	0.34	2.47	2.5
Q3	0.50	0.31	0.12	0.04	0.03	4.22	3.2
Q4	0.15	0.20	0.15	0.17	0.34	2.66	2.3
Q5	0.50	0.29	0.14	0.07	0.01	4.19	3.2
Q6	0.06	0.16	0.20	0.24	0.35	2.34	2.7
Q7	0.47	0.27	0.20	0.05	0.02	4.12	3.1
Q8	0.08	0.18	0.19	0.19	0.37	2.43	2.6
Q9	0.44	0.38	0.12	0.06	0.00	4.21	3.2
Q10	0.18	0.31	0.22	0.06	0.23	3.14	1.9
							28
						Good	70

SUS score calculation steps:

Responses received in percentage are converted to proportions.

Likert Scale Values used as weights -

- Strongly Agree: 5
- Agree: 4
- Neutral: 3
- Disagree: 2
- Strongly Disagree: 1

Weighted Average Score -

The weighted average score is calculated for each response option. This involves multiplying the number of responses for each option by the corresponding Likert scale value, summing these products, and then dividing by the total number of responses.

SUS Score Calculation -

1. For odd-numbered questions: Subtract 1 from the user response.
2. For even-numbered questions: Subtract 5 from the user response.
3. Sum the adjusted scores: This gives a total score.
4. Multiply the total score by 2.5: This scales the score to a range of 0 to 100.

Example Calculation -

Likert Scale Values:

- Strongly Agree: 5
- Agree: 4
- Neutral: 3
- Disagree: 2
- Strongly Disagree: 1

Weighted Average Scores:

- Strongly Agree: 0.514
- Agree: 0.3084
- Neutral: 0.1121
- Disagree: 0.037
- Strongly Disagree: 0.028

SUS Score Calculation:

- For each response, apply the odd/even adjustment.
- Sum the adjusted scores.
- Multiply by 2.5 to get the final SUS score.