

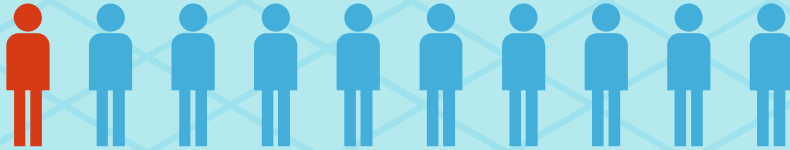
DiaBEATes

Diabetes management web app

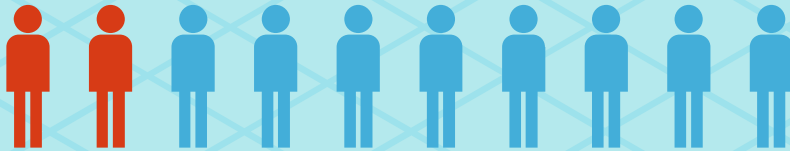
<https://youtu.be/-0VloumQcVY>

Current statistics in Singapore

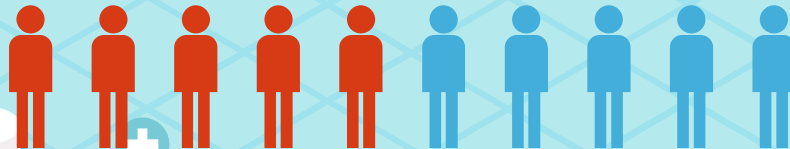
1 in 10 are diagnosed with Type 2 diabetes



2 in 10 diagnosed are aged 60 - 69

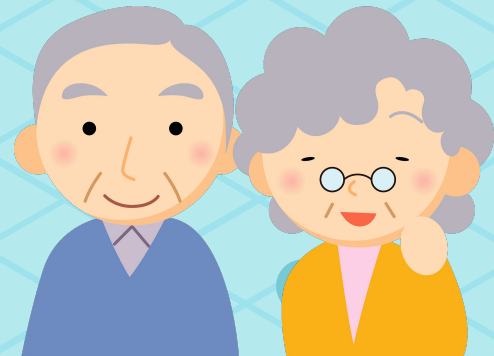


5 in 10 Singaporeans will be diagnosed with type 2 diabetes at the age of 70



Most affected: Elderly (our target audience)

Help them better manage their diabetes so that their conditions do not worsen



What proper management encompass?

Prevention



Weight



Healthy diet



Exercise

Treatment



Insulin



Medicine



Measure Glucose Level

Lack of application

Lack of elderly-friendly application to manage diabetes

Manual Tracking = Tedious

Many steps and calculation, can be confusing

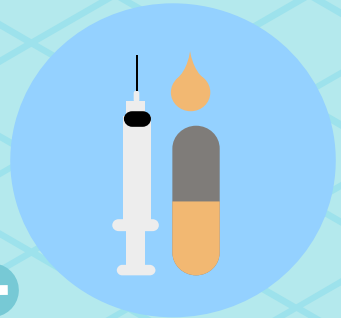
Lack of application
=
More likely to not managing properly
=
Conditions worsen

Solution 1: Insulin Calculator

- Calculates amount of insulin needed after meal
- Easier calculation
- Guides and reminders

Key features:

- Calculate amount of insulin needed depending on carbohydrate intake
- Directs to nearby clinic if current glucose level is too high
- Important details at a glance for easy reference



Solution 2: Glucose Tracker

- Better see their overall glucose level for the day
- Allows them to show it to their doctor
 - Identify and adjust insulin intake
- Gain insights on glucose levels during different periods
 - May increase during travelling/seasonal periods

Key features:

- Add, Delete, Reset Data
- Data saved in local storage
- Filter specific data for different periods

Solution 3: Healthy Recipe Finder

- Quickly search for recipes with ingredients found at home
- Provides diabetic-friendly food options
- Labels for patients to check nutrition of food

Key features:

- Search using keyword(s)
 - Ingredients
 - Labels (e.g. 'healthy' or 'low-fat')
- Display cards of recipe options from API
- Carbohydrates and diet labels for quick reference



Solution 4: Nearby Clinics

- Allow patients to easily find clinics
- Get directions to clinics
- Search for clinics islandwide in database

Key features:

- Search using keyword(s)
 - Ingredients
 - Labels (e.g. 'healthy' or 'low-fat')
- Display cards of recipe options from API
- Carbohydrates and diet labels for quick reference

Front-end



Back-end



{j s o n}

APIs/JS Libraries



Edamam
Recipe
Search API



Google Maps



Chart
JS

Beyond the Lab



- Collaborative coding
- Version control



netlify

- Web hosting
- GitHub integration



Thank you!