



Conflict of Interest

emojifit Diabetes - a new lifestyle approach

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By Decision Support Analytics Pty Ltd

This app is only available on the App Store for iOS devices.



This app is designed for both iPhone and iPad

Free

Category: Medical Updated: 06 July 2017 Version: 1.2.0 Size: 47.8 MB Languages: English, Arabic, Catalan, Chinese (Hong Kong), Croatian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Malay, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Ukrainian, Vietnamese Seller: Decision Support Analytics Pty Ltd © 2017 emojifit® Diabetes Rated 4+

Compatibility: Requires iOS 9.3 or later. Compatible with iPhone, iPad and iPod touch.

Customer Ratings

Description

emojifit Diabetes is a new lifestyle approach developed by Prof. Timothy Skinner, diabetes expert and health

Type 2 diabetes management is complex. Getting the right balance of activity, medication, food choices and fun is

Decision Support Analytics Pty Ltd Web Site | emojifit Diabetes - a new lifestyle approach Support |

What's New in Version 1.2.0

- 1. HealthyLiviing NT has joined to the "emojifit Diabetes Care Team".
- 2. Add new congratulation page and notification feedbacks when 4-week-plan is completed.
- 3. Add new emojis to the existing functionalities.

Screenshots iPhone | iPad Manage your Build y Type 2 Diabetes. profile eart, to make it pump, get bloc... v hard your blood is pushing n the walls of your BLOOD VES ... solesterol is the main type of far nat we worry about in the blood.

Your long term blood glucose test



What do we know about mobile applications for diabetes self-management? A review of reviews J Behav Med (2016) 39:981–994

Mobile Applications for Control and Self Management of Diabetes: A Systematic Review

J Med Syst (2016) 40: 210

Mobile Apps for the Management of Diabetes

Diabetes Care 2017;40:e145-e146 | https://doi.org/10.2337/dc17-0853

Effectiveness of mHealth interventions for patients with diabetes: An overview of systematic reviews

PLOS ONE | DOI:10.1371/journal.pone.0173160

Usability and clinical efficacy of diabetes mobile applications for adults with type 2 diabetes:

A systematic review

| DIABETES RESEARCH AND CLINICAL PRACTICE 131 (2017) 70-81

Mobile phone text messaging to improve medication adherence in secondary prevention of cardiovascular disease (Review)

Database of Systematic Reviews

Cochrane Database of Systematic Reviews 2017, Issue 4. Art. No.: CD011851.



Hood et al 13 systematic reviews 2016

Kitsiou et al 2017 15 systematic reviews 2008-2014







IDF EUROPE POSITION ON MOBILE APPLICATIONS IN DIABETES



February 2017

Digital Solutions for Health and Disease Management

Digital Health Discussion Paper May 2017

european public health alliance





Thousands of Apps for Diabetes?





Brzan et al 2016	Chavez et akl2017	Fu et al 2017
Free	Free	
		> 2 functions
		Usability assessment
Monitoring BG	Blood glucose testing	
Monitoring insulin dose	Medication or Insulin Dosage	
Nutrition	Nutrition	
Exercise	Activity	
Weight		
	Education	
	Health Feedback	
9 apps	4 apps	7 usability 12 efficacy studies (10apps)



Beneficial effects?

Hood et al 2016

- Much of the research consisted of small (n = 8–18), uncontrolled studies to establish feasibility, acceptability, and preliminary effectiveness of the apps
- studies that evaluated the benefit of added counseling combined with app usage did not find signifi- cant differences compared to using the app alone

Adler et al 2017

- Six out of seven trials showed a beneficial effect of mobile phone text messaging for medication adherence.
- No study provided SMS tailored to individual patient characteristics.

Fu et al 2017

- 4 out of 10 studies significant HbA1C reduction of 0.4–1.9% [31,35,41,42]
- Studies used app in conjunction with web and person support

Kitsiou et al 2017

- text-messaging and clinical feedback have a beneficial effect on glycemic control [MD of -0.5% (95% CI: -0.74, -0.26)
- transmission of BG measurements and clinical feedback, lead to statistically significant improvements in glycemic control [MD -0.8% (95% CI: -1.11, -0.5%).

CHARLES DARWIN UNIVERSITY

Issues

- Blood glucose centric
 - Lipids, BP, Smoking, Depression, Foot Care, Weight
- Behavioural Science
 - Few apps built around current evidence base
- Lack of Person Centered Decision Support
 - Engage with one or two domains, with no choice
- Apps not evaluated
 - Trials come with add ons
- Longterm engagement
 - 41% retention at 3 months sector
- Literacy
 - Health, Numeracy, Digital











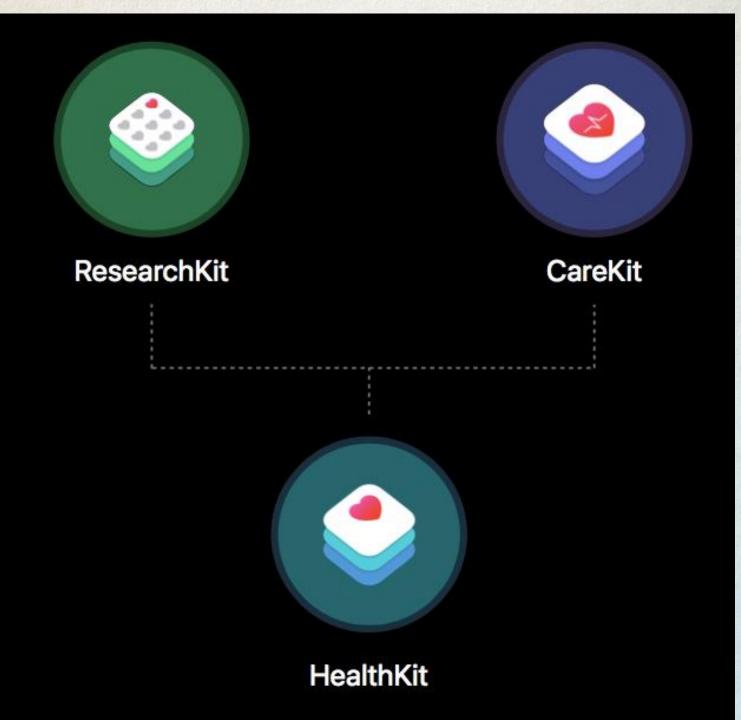
Conclusion

No app that I could recommend to individuals or organizations that was asking me

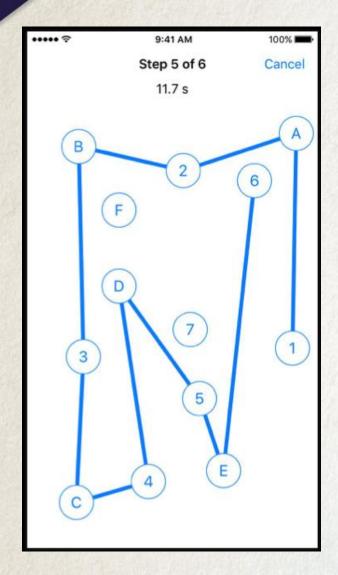
Develop one

Costs too much time, money and effort

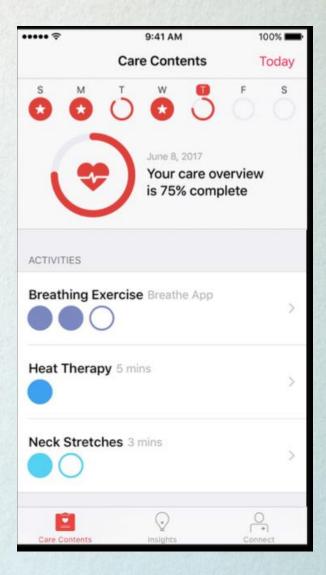


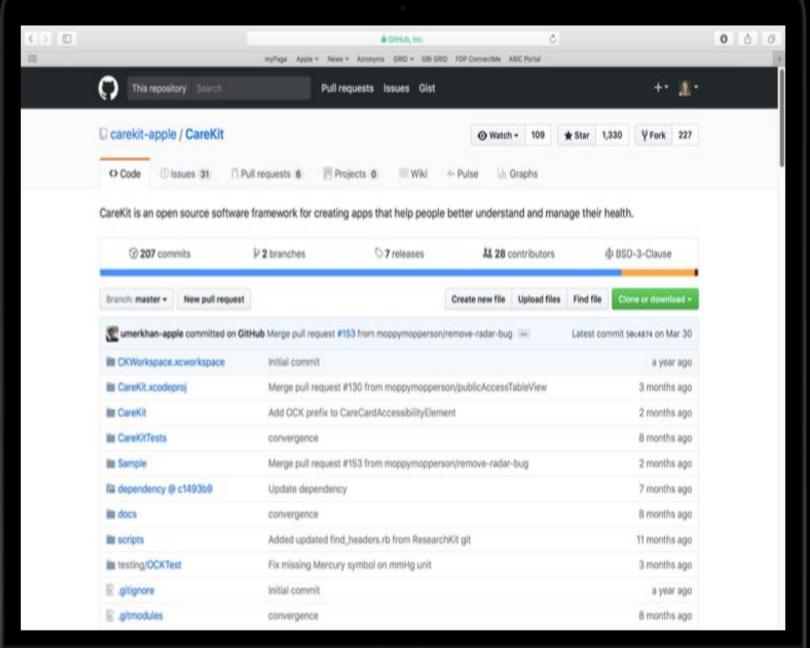














Conclusion

No app that I could recommend to individuals or organizations that was asking me

Feasible and viable for researchers and clinicians to develop and test an app

(April 2016 start, Nov 2016 demo, Mar 2017 launch)



What we need

- Development and experimentation driven by users, clinicians, designers, behavioral scientists and technologist
- We need to design for our most vulnerable groups – language / education / culture free

Reduces the risk of								
	Heart attacks	Strokes	Eye damage	Kidney damage	Circulation problems	Erectile dysfunction		
Lowering blood pressure	~	~	~	~	~	~		
Lowering cholesterol	>	>			~	~		
Lowering glucose levels	~	~	>	~	~	~		
Stopping Smoking	~	~	~	~	~	~		
Reducing waist/ changing shape	~	~			~			
Dealing with depression	>					~		
Taking aspirin	>	>						
Increasing physical activity	>	>	>	>	~	~		
Better food choices	~	~	~	~	~	·		





HEART

BP SYSTOLIC BP DIASTOLIC SMOKING

135	140	145	150	155	160	165	170	175
75	80	85	90	95	100	105	110	115
NONE			P/	ASSIV	E	SI	МОКЕ	R

BLOOD FATS

CHOLESTROL HDL

2	3	4	5	6	7	8	9	10	11
1.8+	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	0

BLOOD SUGARS

HbA1c FASTING

My Diabetes Risk Profile

6.5	7	7.5	8	8.5	9	10	10.5	11
6.5	7	7.5	8	8.5	9	10	10.5	11

MOOD

DEPRESSION

4	8	12	16	20	24	28	32	36
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What we need

- More experimentation driven by users, clinicians, designers, behavioral scientists and technologist
- We need to design for our most vulnerable groups – language / education / culture free
- We need a repository for information and reviews of diabetes apps to help people with diabetes and their care team



Enter search terms

Search



Categories

Please be aware that Beacon is not currently being updated - see more information

Diabetes Services

Websites (8)

Mobile Applications

Support Groups (3)

Filter by:

Target Audience
(Show all)

Mobile Platform
(Show all)

Beacon Rating
(Show all)

Deacon rating legend

About the Smiley Rating

bant



Platform: Apple

bant is a self-management mobile tool targeted at adolescents with type-1 diabetes. It is designed to allow you to quickly and easily record blood glucose readings throughout the day. (English, French, German, Italian, Russian and Spanish)

Few Touch



Platform: Other

The Few Touch mobile application is designed to be a diabetes self-management tool and is compatible with phones with a Windows operating system. (Norwegian)



beacon^{2.0}

Enter search terms

Search

Please be aware that Beacon is not currently being updated - see more information



Beacon is your portal to online applications for mental and physical disorders.

A panel of health experts categorise, review and rate websites and mobile applications. These ratings are provided to you along with the site link and access information. Reviews of internet support groups are now also included.

Improve your health by undertaking programs that have been found to work!



What we did?

- Used 20 years behavioural research and clinical practice to focus on user issues
- Took learning for development of self-management education programs (DESMOND, MEMO) to develop app processes
- Used accumalated evidence on motivation theory to design support and reminder systems
- Recruited graphic designer to develop emojis & pictograms
- Reviewed evidence base on social messaging to develop message strategy
- Developed ethical health promotion checklist for all posts
- Used the smell of an oily rag to fund writing the app software



What we have got?

- 3000 users in 30, countries giving lots of great feedback and information
- 420,000 thousand followers on facebook giving lots of great feedback and information
- 80% retention at 1 month
- Support to develop version 1.3 in Android



Conclusion

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Feasible and viable to develop and test an app (April 2016 start, Nov 2016 demo, Mar 2017 launch)

If we can do this, you can too

Please try, so we can learn