Open data platform and better applications that reduce the burden of Type 1 Diabetes.

Howard Look
President and CEO
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A new approach to diabetes technology

Non-Profit
Mission: Help as many people as possible with Type 1 Diabetes. Empower the industry, don’t compete.

Open Data Platform
Support standards. Catalyze innovation. Enable research, trials, and post-market efficacy studies.

Open Source
The Tidepool Team

Howard Look, CEO
VP Software and UX at TiVo (founder’s team), Pixar, and Amazon.
14 yr old daughter living with type 1

Brandon Arbiter, Product/BizDev
Ran decision support systems on founder’s team at FreshDirect
Living with type 1 since 2011

Steve McCanne, part-time CTO
Founder and CTO Riverbed and Jut.
CTO of Inktomi,
14 year old daughter living with type 1

Eric Tschetter, Development
Creator of Druid open source analytics platform, founder’s team at MetaMarkets.
Living with type 1 since 2012

Kent Quirk, VP Engineering
Disney, Playdom. Led large open source project at Linden Lab.
Uncle living with type 1

Sara Krugman, Interaction Design
Founder of line health care design studio. DiabetesMine Patient Voices Winner.
Living with type 1 since 1991

“A great team working on a great cause.”
- Hugo Campos
The Tidepool Team

Ian Jorgensen, Developer
Co-founder of Line and founder’s team at Ge.tt, acquired by E-conomic.
Living with type 1 since 2005

Nico Hery, Developer
Industrial Engineering, MS, ColumbiaU and former system developer at FreshDirect.
Close friends living with type 1

Jamie Bate, Developer
Application developer and formerly #4 ranked bicyclist in New Zealand.
Living with type 1 since 1990

Jana Beck, Data Visualization
DiabetesMine Patient Voices Winner and computational linguist, Univ. of Penn.
Living with type 1 since 2005

“A great team working on a great cause.”
- Hugo Campos
Our advisors

Executive Board
Steve McCanne Jut
Saleh Adi UCSF
Bryan Roberts Venrock
Howard Look Tidepool

Medical Advisory Board
Drs. Saleh Adi, Aaron Neinstein,
Jenise Wong, and Yao Sun UCSF

Advisors
Bruce Buckingham Stanford University
Howard Wolpert Joslin Diabetes Center
Garry Steil Boston Children’s Hospital
Boris Kovatchev U. of Virginia
Ed Damiano Boston University
Aaron Kowalski JDRF
Tom Peyser Previously Dexcom
Lane Desborough Medtronic Diabetes

“It's not an exaggeration to say that the Tidepool initiative will transform diabetes care.”

- Dr. Howard Wolpert,
Joslin Diabetes Center
The problem

Even if people are motivated to engage with their data, they can’t.

Long term complications: nerve damage, kidney failure, blindness

Short term dangers: seizure, coma, death
The problem

Data is trapped in proprietary silos. Software is hard to use.
Tidepool Apps and Platform

- blip
- Nutshell
- Decision Support
- AP telemetry

REST APIs

- Messaging and Notification APIs
- EHR APIs
- Visualization
- Data Authentication and Validation
- Cloud Data APIs
- Research APIs

Device Conduits

![Device images]
Solving problems

**Patients**
Life with type 1 is a series of guesses and a huge burden. Need ways to make things easier.

**Device Makers**
Building software is not in their wheelhouse. Need ways to add value, grow market, reduce customer acquisition costs.

**Clinicians**
Different software for every device. No way to see data in one place or find “teachable moments.”

**FDA**
Analyzing pre- and post-market efficacy and outcomes is costly, time consuming, and repetitive. It should be getting easier each time.

**Researchers**
Data is costly to acquire and low fidelity. Reinventing custom software for every study.

**Payers**
Need ways to reduce costs and demonstrate better outcomes with “ground truth” data.

“@Tidepool_org is killing it @ #dbminesummit... so much further along than i realized.”

- Kelly Close via @DiaTribeNews
Reducing the Burden of T1D

- **2013**
  - Tidepool Platform

- **2014**
  - Blip
  - Universal Device Uploader

- **2015**
  - Sonar
  - Nutshell

- **2016**
  - Closed-loop Trials and Commercialization
    - Remote Monitoring
    - Context-aware Research
Blip

The hub of your diabetes data.

- Designed in partnership with UCSF
- Pilot study at UCSF approved by IRB December 2013
- UCSF Pilot study patient recruiting starts May 2014

“Apps like blip and nutshell help make diabetes self-care more visualized, educational and effective.”

- Jiangfang Fei, JDRF
Nutshell

Situational recall, one meal at a time.

- Design input from Dr. Howard Wolpert, Joslin Diabetes Center
- Operational prototype complete
- Pilot study at Joslin in consideration for 2014

“[Nutshell is] a realistic way to truly simplify diabetes management!”
- Mike Hoskins, DiabetesMine
Sonar

Decision Support made easy.

Make pumps and CGMs easier to:
• Prescribe
• Set up
• Maintain
• Achieve effective therapy
Universal Device Uploader

Simple tool that makes it easy to get data from devices.

Runs in a browser.

Mac + PC compatible.
Remote Monitoring

“Tidepool’s work will accelerate closed loop research and development. It can also help make vendor-neutral post-market efficacy analysis possible.”

- Dr. Bruce Buckingham, Stanford