The Diabetes Technology Revolution: Utilizing Tech Tools & Data to Improve Patient Outcomes

Amy Tenderich
DiabetesMine

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Please refer to learning goals and objectives.
Learners must attend the full activity and complete the evaluation in order to claim continuing education credit/hours.

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Connecting Stakeholders
Why Tech Tools?

- RECORD KEEPING of activity, food, BG levels, etc.
- REAL-TIME MONITORING of bodily functions via sensors/wearables
- REMINDERS to take meds, test glucose, schedule labs, etc.
- ID TRENDS/LEARNING – what can all this data tell us?

What Patients Need

- Education – good understanding of their disease and how meds & tools work
- Help w/ regular tweaking of routines/ dosing
- Reminders for med refills, labs, appointments
- Motivation to keep it all up!

What HCPs Need: A “Feedback Loop”

- Efficient method to pull up the right patient data when and where needed
- Sufficient time & compensation to spend on data analysis
- Easy, clear method to communicate back to the patient what’s next

Getting Real: What Patients Want

- A sense of well-being and normalcy
- To feel in control
- Easy, no-hassle steps they can take
- Recognition of how darn hard this is! (aka empathy)

Life is Mobile!
Takeaways on Diabetes Technology

- Even the most engaged users don’t download much
- Numbers & charts don’t help; identifying trends and making recommendations does
- Design for simple, but not primitive
- Make it easy, easy, easy!

Approach to Usability

- Ease-of-use is key
- Massive PWD involvement within each organization
- Massive PWD community feedback
- Rapid iteration and re-release

Honorable Mention
Glucose Control
Glooko

“Free data acquisition for all users, and then taking that data and making it useful for patient decision making. Bravo!”

Finalist
Glucose Control
MySugr

“Easy-to-use app to track BG, carbs, insulin, etc. & motivating through use of game to tame the ‘monster.’”

“I love that I can just print the report and give it to my doctor.”
“Gives suggestions based on CGM readings; easiest program I have seen to date and very helpful.”

“You can easily toggle between charts, graphs and data logs… So easy to use and helpful. Love it!”

Data Tools Evolution

- Data Acquisition 1990s - 2006
- Data Analysis 2006 to present
- actionable insights Working on it

Tech Tools Panel

Richard Laurits
Rick Alt linger
Anton Kittelberger
Jeff Dachis
Howard Lock

CDE Tech Panelists

Aimee Jose
Gary Scheiner
Toby Smithson

Richard Laurits
1. Aug 13th
2. June 15th
3. July 27th
What we do:

- 140+ compatible devices

Diasend® is a universal cloud-based diabetes data management system.

For the patient

1. Register and create an account. Download the software diasend® on your computer at www.diasend.com.
2. Connect the device via a USB port on your computer.
3. Log in at diasend.com to enter your data.

- Free for patients
- Ability to view uploaded data on a computer or via the diasend® app.

For the clinic

- Log in at diasend.com to view sensor data.
- Connect the device to Diasend® software.
- Export sensor data to any computer with internet access.

- Data analysis in 30 seconds
- www.diasend.com/projected

Diasend® Mobile

With NFC and Bluetooth

23 countries
3,000 clinics
15 languages
400,000 active patients

Project Type 2
EMBARKING ON A NEW JOURNEY
“Diasend’s ability to integrate pump, meter and BGM data into the same reports allows us to detect patterns and establish cause/effect relationships rather than playing guessing games.”

– Gary Scheiner (2014 AADE Diabetes Educator of the year)
Glooko Helps PWDs and Care Teams Make Better Decisions

- Data-Driven Insights
- Blood Glucose Data
- Medication Data
- Diet/Carbohydrate Data
- Insulin Data
- Exercise & Biometric Data

Glooko provides a holistic view of factors impacting blood glucose, so patients & CDEs can better understand where adjustments are needed.

Glooko’s Remote Monitoring Platform enables clinicians to easily assess their patient population and identify who needs follow up.

Optimizing Patient Care Remotely

- Tools using patient generated data can help providers optimize a patient’s care plan and monitor adherence, without the need for an office visit.
- Glooko algorithms help providers optimize patient insulin pump settings.
- Glooko’s Remote Monitoring Platform enables providers to remotely adjust insulin for patients starting on long acting insulin.

Glooko Makes Diabetes Management Easier!

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About us
34 employees (12 living with diabetes)
Headquartered in Vienna, office in San Diego
777,000 registered users

We are on our own

Diabetes sucks.

15 minutes with your doctor

We make diabetes suck less

Turns our lives upside-down
A truly user centric medical offering

Communication with CDE/Doctor
Today

Customers love us

Coaching at a fingertip
September 2016
- Access Coaching right in the Logbook App
- Watch personal video to get to know your Coach
- Therapy assessment so that coach gets to know you
- Jointly define Coaching goals

mySugr & You

Your personal diabetes coach
- Access Coaching right in the Logbook App
- Watch personal video to get to know your Coach
- Therapy assessment so that coach gets to know you
- Jointly define Coaching goals
- Chat based interface to work on your goals, and identified issues
A new way of working with patients

- No more tech setup needed, the Pod Pro comes preconfigured
- Patient tracks data
- Realtime access to patients' data
- Immediate weak spot detection with pattern recognition

One Drop | Mobile:
- Glucose: Fully Integrated
- Medication tracking & reminders
- Food: World's largest food library
- Activity: Integrated activity tracking
- Community and peer support
- News and information

Anton Kittelberger
anton@mysugr.com

One Drop | Chrome Bluetooth Glucose Monitoring System:
- Chroma
- Precise
- Unlimited Test Strips
One Drop | Experts:
12-Module Diabetes Digital Therapeutics Program
Ongoing 24/7 - Support
Supports active clinical engagement
Conducted entirely through the One Drop app

One Drop | Professional:
Browser based
Payer/Provider ready
Your care team or ours
Secure - Enterprise Grade
HIPAA Compliant
HITRUST Grade Encryption

One Drop Experts:
Redefines the way that diabetes education is delivered.

Developed based on the American Diabetes Association’s National Standards for Diabetes Self-Management Education and Support and the AADE7 Self-Care Behaviors.

A CDE At your fingertips:
Available anytime to answer questions and provide individualized support via simple text-based chat.

Specialized content and support:
For people with Type 1 and Type 2 diabetes.
Dramatically improved ACCESS:
No appointment necessary!
One Drop Experts is available whenever and wherever users need it.
Anytime care on their mobile phones.
Asynchronous/near-time communication.

Tools and skills:
Helping put diabetes management into practice.

Information:
Easy to understand, Easy to implement, Accessible anywhere.

Simple:
One Drop Experts presents important information in a way that is simple and easy to understand.

Actionable:
One Drop Experts gives users actions they can implement immediately to improve their diabetes management.

Data-Driven:
One Drop Experts uses data to empower users to manage their diabetes.
USERS LOVE ONE DROP EXPERTS

"Knowing that there is a real live person prompting and encouraging me makes a big difference to me."

"My history is that when I am accountable to someone outside of myself and have encouragement, I do well."

"I enjoy the slow pace lessons. The review is great...I think this will give some kind of routine to my day which I think is something that I have been in need of."

ONE DROP EXPERTS PROFESSIONAL WORKBENCH

Professional Workbench:
One Drop Professionals can view and sort their assigned users on an easy to use dashboard.

Scalable:
Manage hundreds of patients at a time
Stratify risk
Triage high risk individuals segment for alternative treatment

REAL-TIME DATA:
No cables
No reporting
No kiosks
No downloading
You see what they see - Instantly

Chat:
One Drop Experts message their users with simple, text-based chat.

One Drop Content:
Experts can easily share content with Participants from the One Drop library.
Or, from anywhere:
Any link
Any file
User information: One Drop Experts have easy access users' personal and diabetes treatment information.

Expert Notation: Experts can record notes on their sessions appended to each user record.

Disclosure Own publicly traded stock in Dexcom (DXCM)

Howard Look Founder and CEO AADE 2016 - San Diego
Tidepool

Proudly non-profit.
Freely available.
Simple and secure.
The Horace W. Goldsmith Foundation
Hundreds of Other Donors

Thank you!

Learn more at tidepool.org
Email us now: clinics@tidepool.org

AADE16
Embrace Change, Strengthen Our Future, Celebrate!