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### Technology-Enabled Diabetes Population Health Management



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Clinical Operations Manager, Coach  
One Drop, Informed Data Systems  
New York, NY

**The new frontier for diabetes educators #AADE19**

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### Disclosure to Participants

- Notice of Requirements For Successful Completion
  - 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
- Conflict of Interest (COI) and Financial Relationship Disclosures:
  - Presenter: Janice MacLeod, MA, RDN, LDN, FADE- Employee of Companion Medical
  - Presenter: Toby Smithson, MS, RDN, LD, CCP - Employee of Livongo Diabetes
  - Presenter: Rachel Head, MPH, RD, CDE - Employee of OneDrop
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### Objectives

- Define the leadership role of the diabetes educator in technology-enabled population health
- Gain an understanding how roles and responsibilities of all members of the healthcare team are evolving and new opportunities available for the diabetes educator
- Describe challenges and opportunities in the rapidly transforming health care environment and determine specific action steps to take now.

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### Thank you for posting!

Toby Smithson  @diabetesevryday  
 DiabetesEveryDay and TobySmithson  
 <http://bit.ly/DiabetesEveryDay>  
 Janice Macleod  @janiceRDCDE  
 Rachel Head  @rachelheadCDE

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### The missing piece in diabetes care



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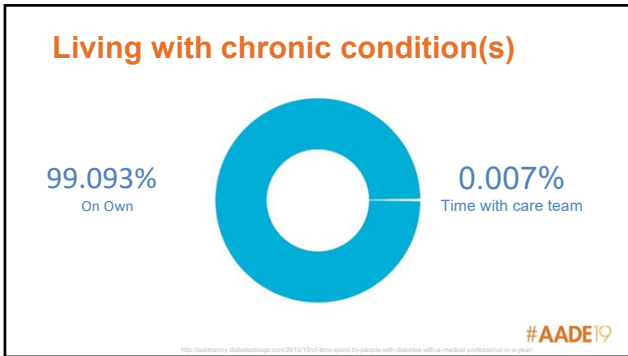
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amazon PRODUCT OVERVIEW POPULAR BRANDS HOW IT WORKS MAKERS AND INNOVATORS

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**Person-centered care**

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**Population Health:**  
Evidence-based, technology-enabled, clinically linked care

**VALIDATION**  
Clinically validated software making data useful

**CONNECTION**  
Connected Devices  
Gathering Data

**INDIVIDUALIZED PERSON-CENTERED CARE FOR POPULATIONS**  
ENABLES: Quadruple Aim

**INTEGRATION**  
New care models integrating evidence-based health technology tools

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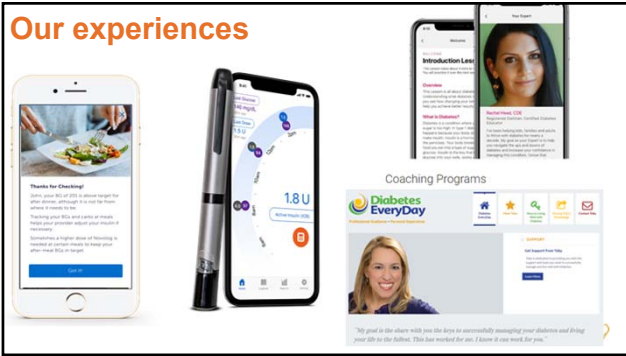
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**Project vision**

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**Pathways for getting started as an e-educator**

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### Diabetes educators lead transformation




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### The diabetes educator . . .

Technology-enabled diabetes population health services

- PGHD
- Remote Monitoring
- Data-Driven Virtual Care

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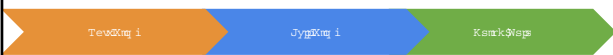
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### The virtual diabetes educator . . .



- Continue your current employment and...
  - Dabble with social media venues
  - Design a website and start blogging
  - Work part-time for a digital health company
- Work full-time for a digital health company
  - Start making connections at AADE Expo Hall
  - Look on LinkedIn for job postings and companies that are of interest
- Develop a website to use as your business card
  - More blog content = more social media posts
  - If you have an idea for an app, put a proposal together and seek a partner

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**Leveraging a digital health platform within your existing practice**

DANA learning courses:

- Harnessing the Power of Telehealth
- Connected Health and Digital Connections: A Look into the Future
  
- Work with apps in your practice
- Work with insulin pumps, CGMs, and other technologies for diabetes management

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**DANA**

[dana@aadnet.org](mailto:dana@aadnet.org) (sign in with your AADE membership)

- Identify and evaluate digital health platforms and general health and wellness apps
- Read news about the latest technology
- Participate in online learning (Harnessing the Power of Telehealth)

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**Technology Enabled Diabetes Population Health**

- Facilitates Self-Management
- Supports Shared Decision Making
- Creates practice improvement opportunities



AADE/WellDoc Diabetes Digital Health Learning Network, Population Health Diabetes Education: The Role of Digital Health and Patient Generated Health Data AADE17, Indianapolis, IN

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### Digital Health in Diabetes: The Evidence

**Technology-Enabled Diabetes Self-Management Support**

- Reductions in A1C ranged from 0.1% to 0.8%
- Interventions that were most effective included

**Technology Enabled Self-Management (TES) Feedback Loop**

- 1.Analyzed Patient Generated Health Data (PGHD)
- 2.Tailored individualized feedback
- 3.Two-way communication
- 4.Individualized education

Greenwood S, Gier F, Fagan K, Fagstad M. A Systematic Review of Reviews Evaluating Technology-Enabled Diabetes Self-Management Education and Support. *Journal of Diabetes Science and Technology*. DOI:10.1177/19382627173306153

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### Opportunities & Next Steps

- Explore e-education models, outcomes, economic impact
- Define current/potential uses within the DSMES paradigm and broader population health management initiatives
- Develop best practices:
  - licensure
  - accreditation/recognition
  - feedback mechanisms
- Increase awareness
- Ongoing reporting/surveillance

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## Resource

How Enterprising Educators Embrace the Golden Opportunity of Technology-Enabled Diabetes Services

JANICE HACCEDO, MA, RD, CDE  
RACHEL HEAD, MPH, RD, CDE  
TOBY SMITHSON, MS, RD, LD, CDE



MacLeod J, Head R, Smithson T. How Enterprising Educators Embrace the Golden Opportunity of Technology-Enabled Diabetes Services. *AADE In Practice*. 2019;7(3):12-19 <https://doi.org/10.1177/2325180319839208>

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