

# VOICE IN HEALTH SUMMIT

Establishing Voice Tech for Patient Engagement, Vocal Biomarkers and Clinical Trials

Boston, MA | May 20-22, 2019

**Workshop, Monday May 20<sup>th</sup> 2019**

## Voice in Health 101

As the next wave of digital innovation, the use of voice is beginning its implementation into the healthcare and pharma industries. With the field being so broad, there is a need for those involved to understand the full cohort. Led by the pioneers of the industry, this workshop will provide the voice in health community the opportunity to be fully in the know and ready for the conference ahead.

### Workshop leaders:

**Jim Harper**, Co-Founder and COO, [Sonde Health](#)

**Uma Vaidyanathan**, Senior Scientific Program Manager, [RDoC](#)

### Agenda

1:00 Presentation: What Role can Voice Play in Healthcare and Drug Development?

1:30 Breakout Discussions:

Splitting into smaller working groups, each group will discuss their current views on voice in health as a concept and their views on the different facets of the industry.

- Are we comfortable with the how the use of voice is being pursued in health?
- Generally speaking, how do payers, pharma and regulatory authorities view the use of voice in digital health?
- What lessons can we draw on from working with other related industries?
- What remaining questions do we have about voice in health?

2:30 Refreshment Break

3:00 Feedback Discussions:

Representative(s) from each group share the main points from their discussion to the whole group. Additional questions from moderators and other group members will be raised during this collaborative discussion.

Summary thoughts will then be shared by the moderator(s) and all participants will leave with the below:

**Leave this workshop with:**

- Fundamental questions answered around how voice can aid healthcare and drug development
- A deeper understanding of the current payer and provider perspectives on the use of voice in health and how these are looking to be advanced
- Up-to-date information on the different ways pharma are involved in the industry
- A fundamental understanding of the current privacy and security challenges
- A stronger appreciation of the crucial questions facing the industry that will be tackled during the rest of the Summit.

4:00 End of Workshop

**Conference Day 1, Tuesday May 21<sup>st</sup> 2019**

8:00 Registration, Breakfast & Networking

**Voice in Health - Demonstrating the Value of Voice**

9:00 **Chair's Opening Presentation - a Brief History and Future Direction**

- Official welcome to the summit
- What are the key takeaways we are aiming to achieve by the end of this summit?
- How will we know that we have achieved these goals?
- What evidence is there to support the voice in health movement?
- A look at the potential of voice in health field and how it can use utilised to further the industry.

**Jim Harper**, Co-Founder and COO, [Sonde Health](#)

9:25 Presentation - **Using Voice and Audio for Disease Diagnosis, Management and Scalability within Healthcare**

- Using voice (and personal smart devices) to elevate healthcare and reach everyone
- How can voice and audio aid disease diagnostics and management?

**Tony Keating**, Chief Executive Officer, [ResApp Health](#)

9:50 Interactive Panel and Open Q&A - **How do we Demonstrate the Value and Evidence of Voice Tech in Health?**

- What are the key factors to consider when demonstrating the value of voice?
- Where is voice the best answer in health and not “just a novelty”?
- Discussion on how the industry of voice in health can have a positive ROI
- What are the different strategies for implementing voice into the health industry and how can they improve the current approaches?
- How will the implementation of voice in health change the healthcare ecosystem?

**Tal Wenderow**, Chief Executive Officer, [Beyond Verbal](#)

**James Wyman**, Chief Operating Officer, [Pillo Health](#)

**Liam Kaufman**, Chief Executive Officer, [Winterlight Labs](#)

10:30

**Morning Refreshments & Networking**

**Patient Engagement Through Voice**

11:00 Presentation - **How can Voice be used to Improve Disease Management for Patients?**

- How can voice be used to better engage patients who suffer from illnesses such as heart Disease?
- Can voice technology be proactive enough to fully engage patients, ask the right questions and prompt the right responses?

**Oskar Kiwic**, CEO & Lead Designer, [CardioCube](#)

11:25 Presentation - **How can Voice be used to Aid Patient Engagement in the Home?**

- How can voice improve patient engagement in their own home?
- What is the best way to engage these patients? - Devices, smart speakers, apps?
- What are the restrictions of using voice to engage patients at home and how can we overcome them?

**Amar Kendale**, Chief Product Officer, [Livongo](#)

11:50 Interactive Panel and Open Q&A - **How can we Improve Patient Engagement Through the use of Voice Tech?**

- How important can voice be when it comes to improving patient engagement?
- What are the low-hanging fruit opportunities that are being explored?
- How can voice aid the flow of personal data from patients to clinicians and physicians?
- What is the target audience that will benefit from the use of voice in healthcare and how can it be opened to a wider user base?
- How do we address the install base challenges associated with voice tech adoption?

**Amar Kendale**, Chief Product Officer, [Livongo](#)

**Wolf Shlagman**, Chief Executive Officer, [Care Angel](#)

**Oskar Kiwic**, CEO & Lead Designer, [CardioCube](#)

**Tony Keating**, Chief Executive Officer, [ResApp Health](#)

12:30

**Long-Table Lunch & Networking**

2:00 **Vocal Points - The Crucial Questions facing Voice Tech**

Break off into smaller teams, hang your corporate hat at the door and work together to solve some of the industries most pressing issues. You will have the opportunity to work alongside the industry leaders to construct the fundamentals of the industry and advance your own understanding.

Topics to include :-

- *Data samples - A limiting factor in this field is the lack of usable data sets that can be tested in a clinical setting. How can this be overcome to help further this industry?*

**Jim Harper**, Co-Founder & COO, [Sonde Health](#)

- *Reimbursement - How can this technology produce a revenue stream and how can payers be informed that this tech has a positive ROI?*

**Maura Rosenfeld**, Chief Business Development Officer, [Healthymize](#)

- *Security and Privacy - Voice technology is becoming a staple in the home as a lifestyle tool, but many are concerned when discussing private and sensitive data using this interface. How can users be educated to mitigate this and invite this technology into their homes?*

3:30

## Afternoon Refreshments & Networking

### Vocal Biomarkers in Clinical Trials

#### 4:10 Presentation - **A look at Vocal Biomarkers currently in Clinical Trials**

- What disease is this vocal biomarkers looking to identify and how does it do this?
- How far through the clinic are the studies?
- Preclinical and clinical data? (How big is the trial, what is it testing, results so far)

**Claudio Hasler**, Chief Executive Officer, [Peak Profiling](#)

#### 4:35 Presentation - **The use of Big Data in Voice-Related Monitoring**

- VOICE, as a body's sensor
- Extraction of vocal biomarkers for personalized healthcare screening
- leveraging BIG DATA and automation to scale up the processes and accuracy
- Changing the way of healthcare delivery and patient monitoring

**Tal Wenderow**, Chief Executive Officer, [Beyond Verbal](#)

#### 5:00 Interactive Panel and Open Q&A - **Implementing and Scaling Vocal Biomarkers in Clinical Trials**

- How far out are we from seeing FDA-approved Vocal biomarkers being used in healthcare environment?
- How viable are vocal biomarkers as a diagnostics tool?
- What clinical trial workflows need to change to fully utilise voice as a biomarker?
- What discussions are pharma having about expanding vocal biomarker work beyond pilot studies?
- As an industry, how confident are we in the accuracy of vocal biomarker measurement?
- How far away is the use of vocal biomarkers in diagnostic testing?
- Is collaboration the key to furthering the field?

**Jim Schwoebel**, Chief Executive Officer, [Neurolex](#)

**Claudio Hasler**, Chief Executive Officer, [Peak Profiling](#)

**Joel Schwartz**, Quantitative Medicine & Clinical Tech Group, [Biogen](#)

**Guillermo Cecchi**, Principal Research Staff Member, [IBM](#)

**5:40 Close of Day 1**

**Conference Day 2, Wednesday May 22<sup>th</sup> 2019**

**8:00 Breakfast & Networking**

**9:00 Chair's Opening Remarks**

**Jim Schwoebel**, Chief Executive Officer, [Neurolex](#)

**Voice: Patients, Privacy & Security**

**9:10 Hackathon Feedback Session**

Obtain the consolidated feedback from Day 1's Hackathon sessions. Each of the hosts will provide the summarised notes from each of the sessions so that attendees have actionable insights to implement after the event.

**Jim Harper**, Co-Founder & COO, [Sonde Health](#)

**Maura Rosenfeld**, Chief Business Development Officer, [Healthymize](#)

9:40 Interactive Panel and Open Q&A - **How can we Overcome the Security, Privacy and Ethical Challenges facing Voice?**

- What is the current sentiment in the voice in health industry towards security and privacy?
- How can healthcare-focused companies advance dialogue with big tech?
- Are perceived issues with privacy influencing the number of startups in the field?
- What are the factors to consider for startups when pursuing HIPAA compliance?
- As this industry scales, is now the time for the industry to be aligned on security and privacy?
- What are the ethical implications that need to be considered when dealing with voice data?

**Rupal Patel**, Chief Executive Officer, [Vocal ID](#)

**Cris De Luca**, Global Head of Digital Innovation, [Johnson & Johnson](#)

**Adam Landman**, Chief Information Officer, [Brigham and Women's Hospital](#)

**Maria Yancheva**, Co-Founder and Chief Technology Officer, [Winterlight Labs](#)

10:20

**Morning Refreshments & Networking**

### **Implementation, Collaboration and Scaling Voice in Health**

11:00 Presentation - **How can Voice Technology be used in Optimizing Clinical Trials?**

- Why does voice tech help improve engagement in clinical trials?
- Has voice technology been proven to increase cooperation and accuracy in clinical trials?

**Joel Schwartz**, Quantitative Medicine & Clinical Tech Group, [Biogen](#)

11:30 Presentation - **Development and Implementation of Voice Technology in a Healthcare Environment**

- A look at the work Ellipsis Health are doing with voice in the health industry
- How are Ellipsis Health collaborating with hospitals to aid in the implementation on this tech?

**Mainul Mondal**, Chief Executive Officer, [Ellipsis Health](#)

12:00

**Long-Table Lunch & Networking**

1:15 Interactive Panel and Open Q&A - **Scaling Voice in Health for Robust Longevity and Summit Takeaways**

- What are key opportunities we need to work on further as an industry to scale voice in health?
- What lessons can be learnt from other areas of digital health?
- How do we engage other areas of the healthcare ecosystem better?
- What are the key takeaways from this summit that we, as an industry, all agree on?
- How are we going to use the learnings from the last three days to drive this industry forward?
- What can we do to ensure a positive ROI for products and services utilizing voice in health industry?

**Maura Rosenfeld**, Chief Business Development Officer, [Healthymize](#)

**Mainul Mondal**, Chief Executive Officer, [Ellipsis Health](#)

**Taha Jangda**, General Partner, [HealthX Ventures](#)

1:55 **Chair's Summary**

- Summarizing the list of robust takeaways for this audience and the industry

**Jim Schwoebel**, Chief Executive Officer, [Neurolex](#)

2:05 Close of Voice in Health 2019