

Activating communities to generate and utilize data to affect policy change for improved health and well being

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An **under-utilized renewable resource** on the planet to promote human & planetary wellness . . .



are residents themselves!

(through community-engaged citizen science)





The “**OUR VOICE**” Citizen Science Research Initiative

Empowers residents to assess & advocate for healthier neighborhoods & communities (with local decision-makers)

Facilitators of this process can be researchers, community organizations, govt. groups, or local opinion leaders or residents themselves



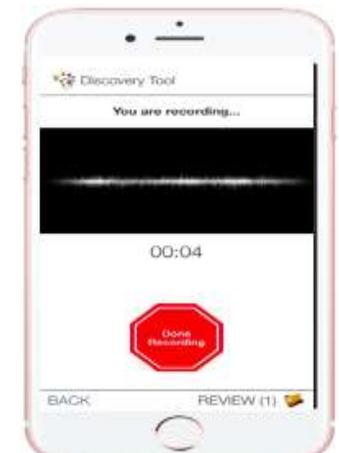
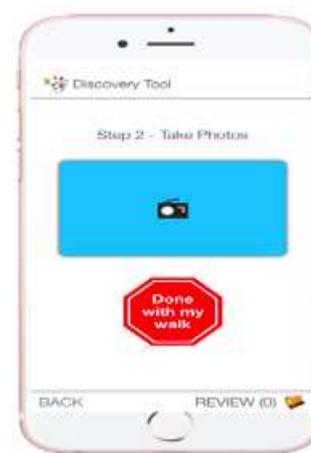


It starts with an easy-to-use mobile app: **Stanford Healthy Neighborhood Discovery Tool**

Buman et al. Am J Prev Med, 2013



- Used by residents, ***irrespective of 'tech literacy' or language***, to assess community features that *promote or hinder* healthy living or daily well-being
- Tool used to collect neighborhood info via **GPS Route tracking/ Geo-coded Photos & Audio narratives**; as few as 8-10 residents needed to get “saturation” around top barriers & enablers of healthy living





Next, in a facilitated process, Residents:

- **share** their photos & “stories” collected on their walks with other residents
- **build consensus** around high-priority yet realistic areas for change
- share their data with **key decision makers** & develop possible solutions
- **formulate action steps** to activate local changes (e.g., a safe, age-friendly walking route for Israeli seniors, with support of local businesses)



Upstate New York



Australia



Israel



The Discovery Tool Data Portal

- Facilitators log in to secure data base with unique IDs
- Allows for facilitators to view and process Discovery Tool data
 - Auto-transcription of narratives; combined walk maps; facial blurring
- Data returned to citizen scientists for analysis and interpretation

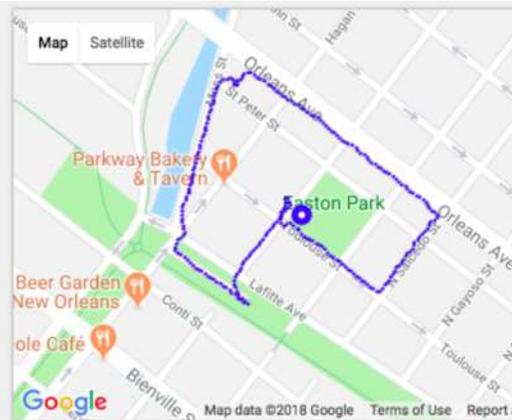
Photo Previews



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Good or Bad for the community



I took the photo because as you can see from the left of the picture, there is a sidewalk, and then we have a crosswalk going across the street, but it leads to a ditch. So that needs to be fixed. There needs to be an extension of the sidewalk to the sidewalk on the side there to the right.



Our Voice Toolkit

- A library of evaluation measures to facilitate and track impact
- Customizable recruitment and training materials
- Meeting facilitation guides and Discovery Tool user manuals
- Action planning templates
- IRB/ethics protocol and consent document information



Our Voice Community Meeting #1 - Facilitation Guide
Suggested time to complete: 60-90 minutes

What you need for the meeting

- Space for the meeting
- A sign-in sheet and some extra paper and pens
- A white board or charted paper/markers and tape
- Copies of the Discovery Tool data your team collected (printed photos and transcripts)
- Meeting notes template
- [optional] Copies of the Community Advocacy Handbook

Topic	Time	Activities
Intro	5-10min	<ul style="list-style-type: none"> • Participants sign in and update contact info. • Explain meeting purpose.
A. Data Review	15-20 min	<ul style="list-style-type: none"> • Review the Discovery Tool data (using print-outs, slides, or another format) • As a group, identify positive and negative features of the environment • Write these on whiteboard/charted paper
B. Grouping Data & Prioritizing for Action	15-20 min	<ul style="list-style-type: none"> • As a group, divide the data into common themes - write these on whiteboard/charted paper • Identify theme priorities based on importance and feasibility - highlight or circle the top priorities
C. Brainstorm solutions	10-15 min	<ul style="list-style-type: none"> • Discuss potential solutions to priority challenges • Brainstorm potential partners and potential opposition • Write these on whiteboard/charted paper
D. Strategies for engagement	10-15 min	<ul style="list-style-type: none"> • Brainstorm ways to engage potential partners and deal with potential opposition • Write these on whiteboard/charted paper
E. Next Steps and Wrap-up	10-15 min	<ul style="list-style-type: none"> • Summarize findings and agreements • Agree on next steps • Plan for next meeting • [optional] Distribute "Community Participant Handbook" for future advocacy

Making an Action Plan

WHAT is the change that needs to be made?

WHY is it important for this change to be made? What difference will it make?

WHERE does this change need to be made to make the greatest impact?

WHEN does this change need to be made? What is the timeline?



So far:
19 countries
6 continents

'Our Voice' Global Citizen Science Research Network for Health Equity, 2018

(Robert Wood Johnson Foundation planning grant)



Our Voice Global Network

A global community committed to continuous quality improvement, dissemination, and celebration of successes

