A woman with dark curly hair, wearing a white and black plaid shirt, is holding a young child with dark curly hair wearing a green jacket over a blue denim shirt. They are in a public setting, possibly a clinic or community center, with other people and a wheelchair visible in the background.

# Precision health: Why personalized care in the digital age will lift up health equity globally

Presented by:  
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CEO of Onduo  
Chief Clinical Officer, Verily Health Platform





# My Perspective: Viewing health equity across the ecosystem

Born and raised in  
small town Virginia

EM Residency,  
Minneapolis,  
HCMC

Healthcare  
management  
pivot,  
HSPH Degree

Government / Policy  
U.S. Department of Health  
and Human Services (ONC)

Verily/Onduo

MD,  
University of  
Virginia

Practicing Emergency  
Department Physician  
US Army, Private practice

Health System  
Franciscan Missionaries  
of Our Lady

Health Plan  
BCBS of Louisiana



A woman with dark skin and curly hair is sitting in a wheelchair, holding a baby. She is wearing a yellow cardigan over a blue and white striped shirt. The baby is wearing a pink shirt and has their hair in a bun. They are in a brightly lit area, possibly a hospital or a community center, with large windows in the background. The text is overlaid on the image.

Today's tools can help us build a stronger foundation

Healthcare delivery | Education | Economic stability employment |  
Transportation | Housing | Food |  
Community and social context | Social integration | Discrimination |  
Neighborhood & physical environment



Life expectancies are vastly different across communities






# Our Dilemma



**We need diverse data  
across healthcare.**



**But we need trust  
to get there.**

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**Trust is built on a series of promises kept.**

**AI and ML can build a healthy and equitable care delivery foundation.**

You can't change what you don't measure.







Precision care requires looking beyond a single data point, or fragmented view of a person's life.

# Health happens **at home and in our communities**

**20%**

Social and environmental factors

**40%**

Individual behaviors

**10%**

Healthcare

**30%**

Genetics



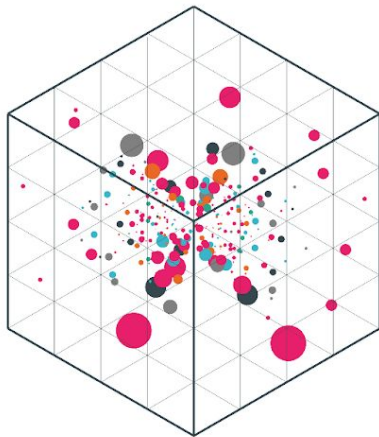


# People are not diabetics or hypertensives — people are people

- Chronic conditions are deeply intertwined in people's daily lives
- If we want to take care of a **person** we have to address the many dimensions of their health.



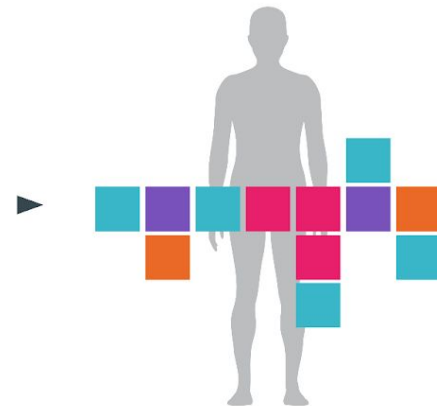
# Individuals' data + personal inputs power the dynamic, multi-condition care plan



**Clinical Phenotyping**  
Map patients in condition dimensional space




**Optimization Engine**  
Incorporate clinical and personal priorities as well as "signals" such as labs, medications, patient and clinician input. Then, dynamically change activity sequences in response



**Personalized Care Plan**  
Flow into care journey that optimizes for health



A close-up photograph of an older man with white hair and a goatee, wearing glasses and earbuds. He is smiling broadly, showing his teeth. He is wearing a white t-shirt. The background is a blurred outdoor setting with trees and a path, suggesting a park or a trail. The lighting is bright and natural, likely from the sun. A semi-transparent grey box is overlaid on the left side of the image, containing white text.

Bringing the promise of  
precision health to  
everybody and every  
body

**Onward. Together.**