

HEALTHY BIRTH, GROWTH & DEVELOPMENT

knowledge integration

December 5, 2017

Welcome remarks and goal-setting

Thea Norman, Senior Program Officer, Quantitative Sciences









Thank you





Workshop: Goals and objectives

DAY 1

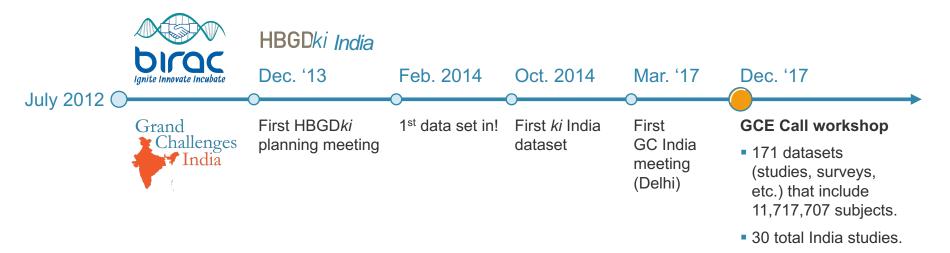
Familiarize with ki capabilities and tools DAY 2

Build a community of data scientists and research scientists

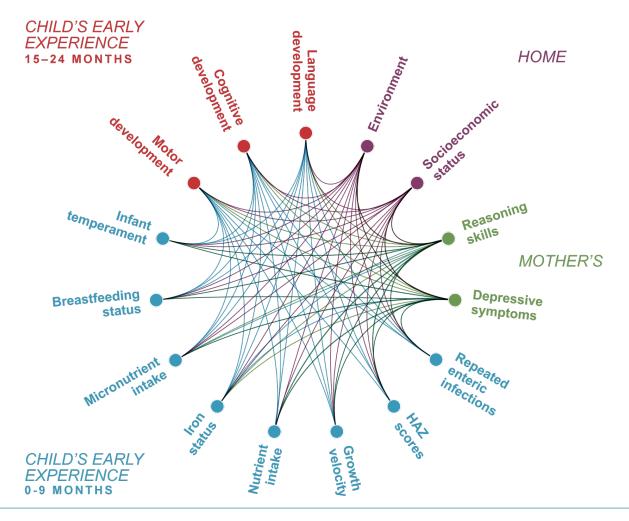
GOALS

Develop big ideas for the focus of the Call for Grand Challenges Explorations proposals

The road so far



The problem: Child health is complex















The right intervention for the right child at the right time





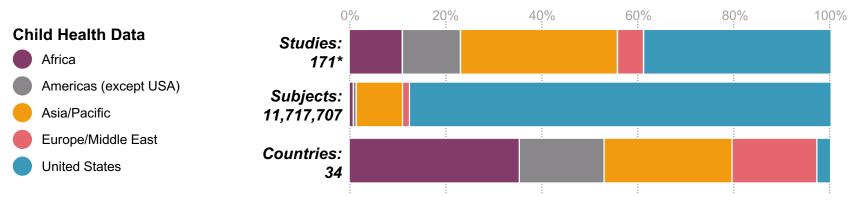








Our strategy: To get the right data



2415 outcomes & covariates: Demographic, Clinical, and Socioeconomic. *As of November 21, 2017





Our strategy: Great data scientists and powerful models

Causal

Describe how given insults or interventions affect growth or development

Population

Describe how populations at large are changing over time

Data

Analytics

Domain expertise

New business models

Mechanistic

Describe a relevant process underlying growth and development, e.g., mathematical model of the human gut

Empirical

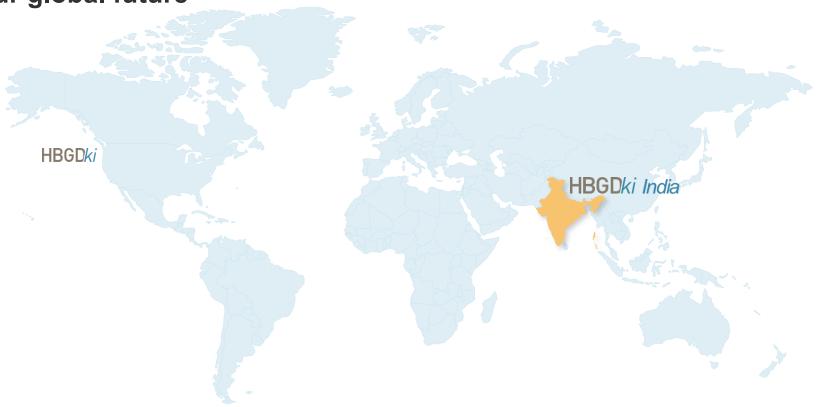
Describe trends inherent in observational data (as opposed to theoretical models that assume certain conditions)



Our strategy: Connecting data scientists and research scientists **HBGD**ki Data **Analytics Domain Expertise** Data Research scientist scientist



HBGDki India: Our global future





Our agenda:

Detailed schedule for Tue, Dec. 5, 2017

Morning session

TUESDAY, DECEMBER 5

Following each session, we will have a 5-minute table discussion followed by 5-minute group Q&A

Time	Session	Presenter
8:30am-9:15am	Registration and Getting Settled	
9:20am-9:50am	Welcome Opening Remarks His Thoughts	Dr. Shirshendu Mukherjee Dr. Renu Swarup & Dr. Steven Buchsbaum Prof. K. VijayRaghavan (Chairman BIRAC & Secretary DBT)
9:50am-10:00am	Overview & Goals of Workshop	Thea Norman
10:00am-10:30am	Fostering Innovation: From Ideas to Implementation	Ted Grasela
10:30am-10:45am	Tea Break and Connection Activity: Introduction to Cognitive City	Dave King
10:45am-11:15am	Understanding ki Data and the Contributions From India	Tom Peppard
11:15am-12:00pm	Data to Discovery to Decision: "Rallies" and Selected Highlights of Things We Have Learned	Ryan Hafen

Our agenda:

Detailed schedule for Tue, Dec. 5, 2017

Afternoon session

TUESDAY, DECEMBER 5

Following each session, we will have a 5-minute table discussion followed by 5-minute group Q&A

Time	Session	Presenter
12:00pm-12:30pm	Lightning Talks	Dr. Shinjini Bhatnagar and Dr. Prasanna Samuel
12:30pm-1:15pm	Lunch	
1:15pm-1:30pm	HBGDki Website: A Tool for Expanding the Community and Sharing Knowledge	Kristine Johnson
1:30pm-2:00pm	Country Segmentation Tool	Dave King
2:00pm-3:00pm	Country Segmentation Training	All
3:00pm-3:15pm	Break	
3:15pm-3:45pm	Discovering Undiscovered Public Knowledge with Influence Search	Mihai Surdeanu
3:45pm-4:45pm	Influence Search Training	All
4:45pm-5:15pm	Community Discussion and Day 1 Recap	All
7:00pm-7:30pm	Pre-Dinner talk (The India State-Level Disease Burden Initiative)	Dr. Lalit Dandona
7:30pm	Dinner hosted by Secretary DBT & Chairman, BIRAC	Prof. K.VijayRaghavan

+ HELLO!



MY LOCATION
Buffalo, NY, USA

DATA DISCOVERY DECISIONS

HBGDki India

El Ted Grasela, PharmD, PhD

HBGDki Communication Lead

Cognigen Corporation

Ted.grasela@gatesfoundation.org https://www.linkedin.com/in/ted-grasela-33009b8/





L HOW I CAN HELP ANSWER HBGD QUESTIONS IN INDIA:

Design workflows that will efficiently generate valuable results to influence policy making



WHAT I HOPE TO GET OUT OF THIS WORKSHOP:

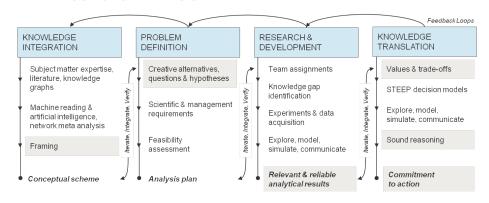
A better understanding of how Indian researchers and data scientists can work together to accelerate successful innovations



I'M LOOKING TO PARTNER WITH:

Creative and enthusiastic scientists willing to tackle complex problems

AN IMAGE REPRESENTING WORK I'M PROUD OF & WANT TO SHARE:



 ${\sf STEEP: Societal, Technological, Environmental, Economic, and Political.}$