Demand Side Thinking + Human Centered Design

BILL& MELINDA GATES foundation



WHAT DO WE MEAN BY DEMAND?

Reflecting on the Foundation's investment track record – the uptake of the products, services, and interventions we support have often not resulted in the uptake necessary for impact.

And so several years ago we began to question, how can we better accelerate the uptake and impact of the products, services and interventions we support?



A number of successful projects



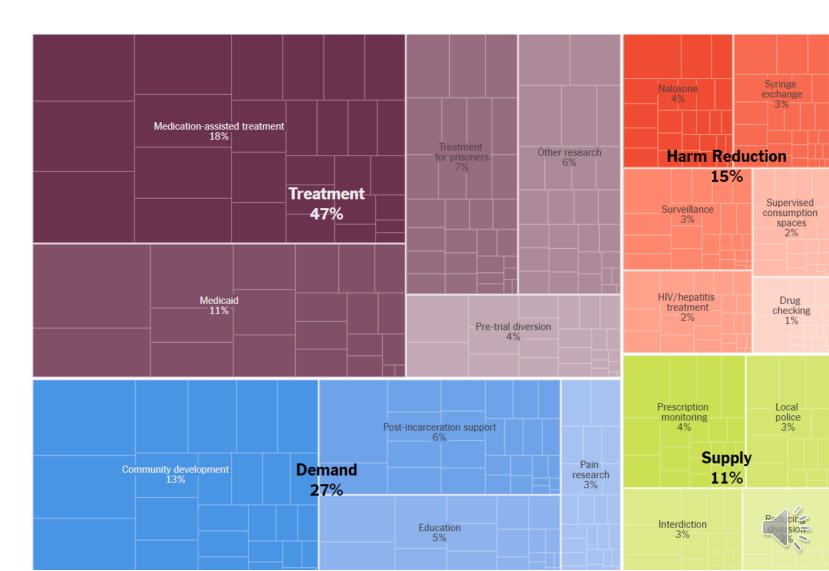
Some that were not game-changers



DEMAND AS AN INTEGRAL PART OF WORK IN HEALTH

The NYTimes asked 30 experts to think big, but realistically, about solutions to the opioid crisis. They were asked, given the opportunity to spend \$100 billion over five years — a little less than current federal domestic <u>H.I.V./AIDS</u> <u>spending</u> — how would they spend that money?

This in the aggregate is their answer.





The value of demand-side thinking is in uncovering and understanding the multiple contexts that affect why people behave the way they do and respond accordingly

Definition of demand Our working definition of "demand-side thinking and actions"

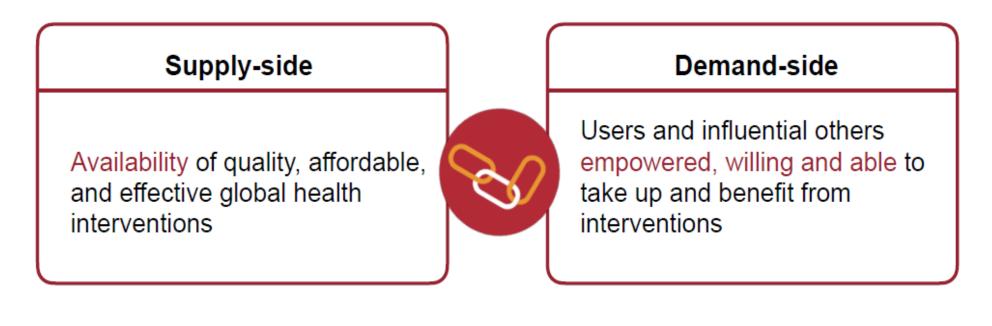


Demand-side thinking and actions increase user uptake and sustain behavior change by understanding and adaptively responding to people in their contexts



Definition of demand

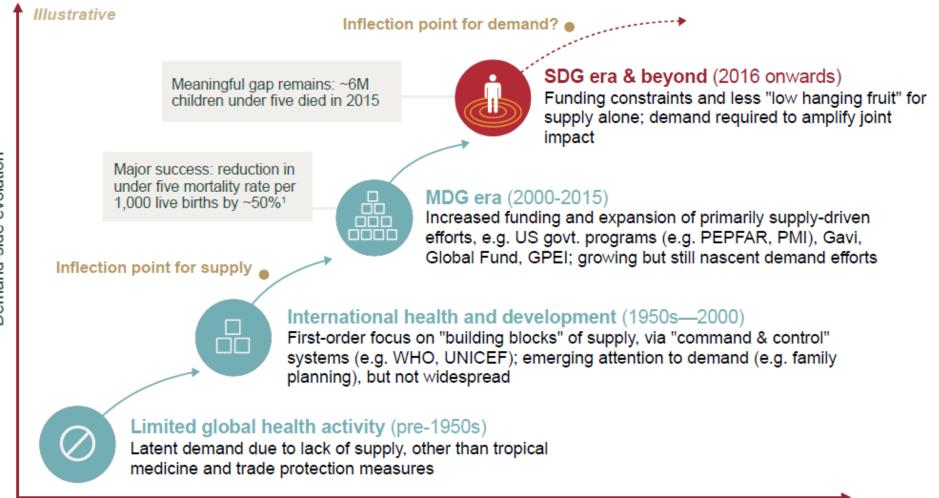
Demand is complementary to supply; balance depends upon context and changes dynamically over the intervention life cycle





THE JOURNEY TO DEMAND

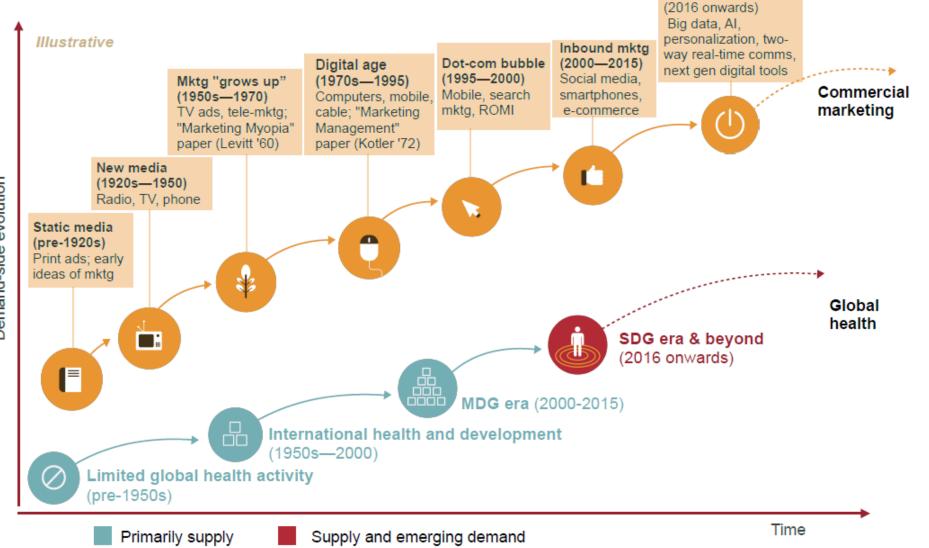
Global health historically rooted in supply with some examples of successful demand-side work



Time



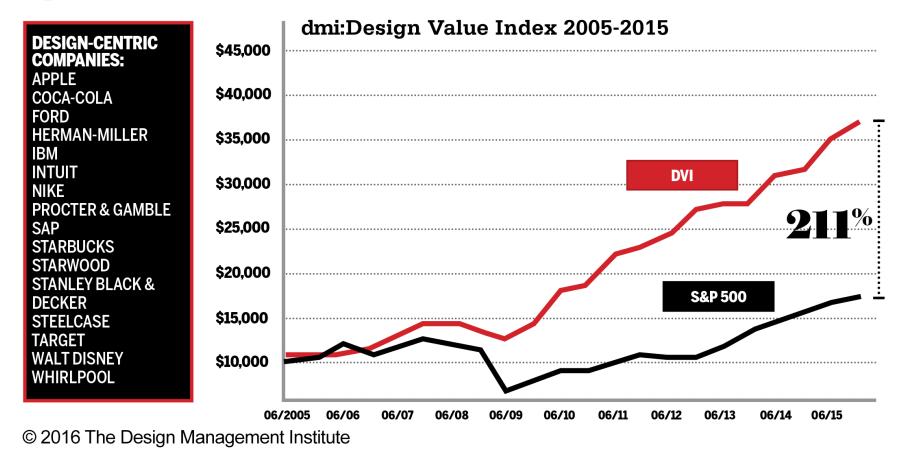
Demand in global health lags behind commercial sector Future of mktg



Demand-side evolution

110

DESIGN AS COMPETITIVE ADVANTAGE



The Design Value Index shows that companies that embrace design understand their customers better than those that don't. As a result, they grow faster and with higher margins and recover faster during economic downturns.

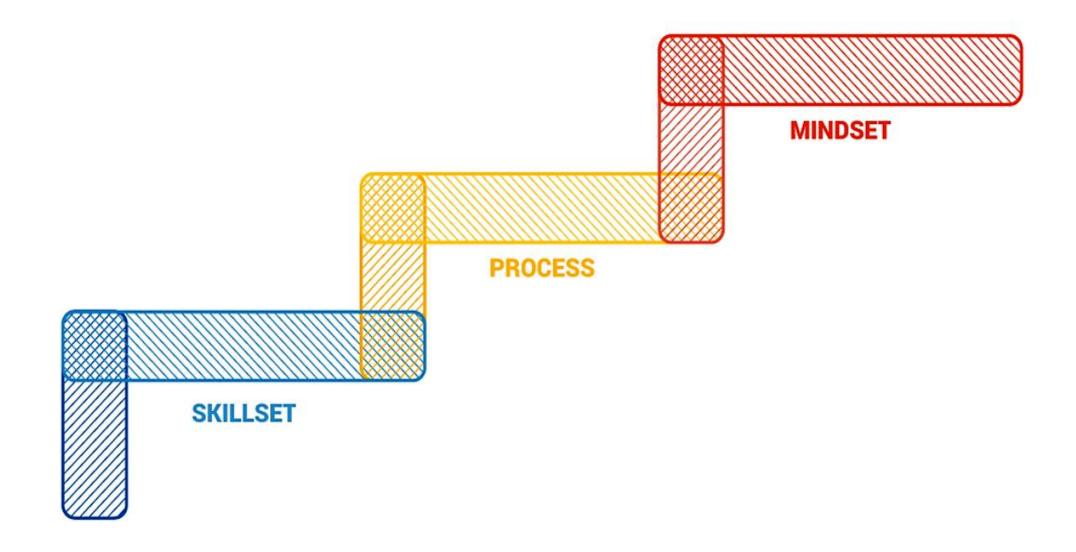
DESIGN FOR REVENUE AND PROFIT

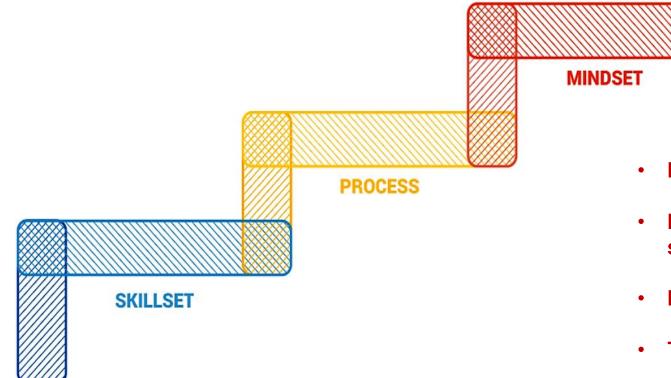
The value of design to business is clear. For every £1 invested in design, businesses might achieve as much as £20 in increased revenues, a £4 increase in net operating profit and a return of £5 in increased exports.



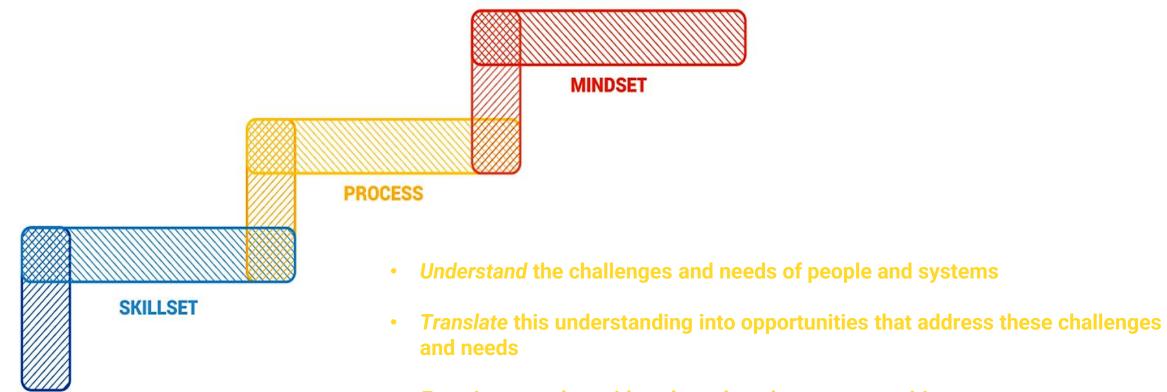
HUMAN CENTERED DESIGN – ONE APPROACH TO DEMAND



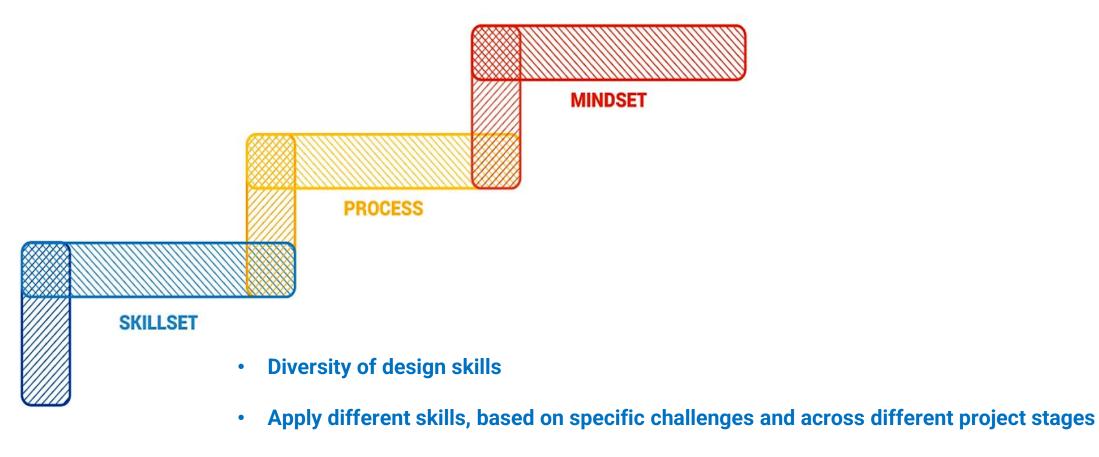




- Reframing challenges and questioning assumptions
- Engaging people in the process of developing solutions
- Rapidly move from insights to action
- Test, adapt, and improve directly with end users

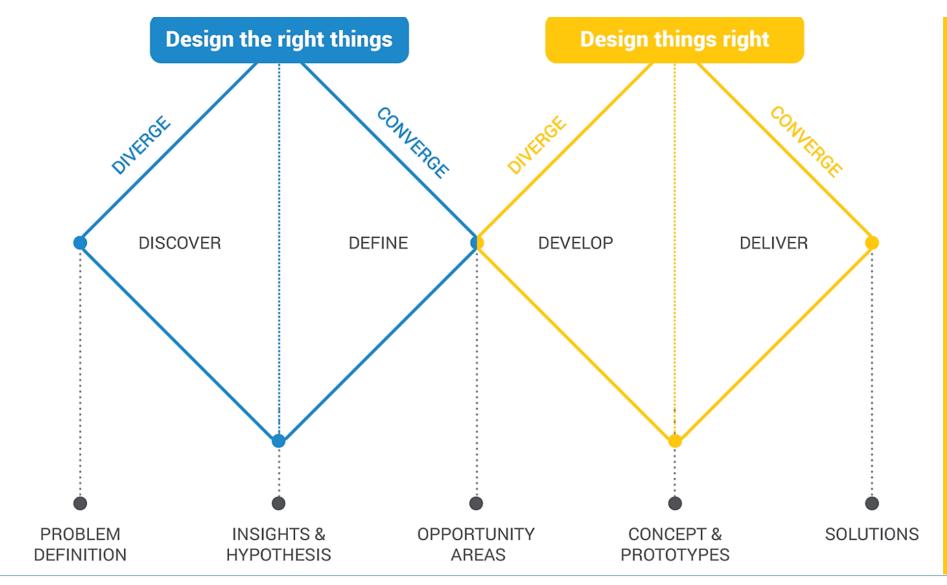


- **Experiment** and test ideas based on those opportunities •
- Implement already vetted solutions •



Look for a depth of knowledge in one or more design specializations

WHAT DOES DESIGN LOOK LIKE IN ACTION?



017

WHAT IS THE VALUE THAT DESIGN BRINGS TO GLOBAL HEALTH?



1. Better Outcomes

Design can contribute to better outcomes, particularly related to demand-side challenges and behavior-change outcomes.

PROGRAM

2. Improved Processes

Design can strengthen both strategy and implementation by introducing iterative and agile processes to gather feedback and test solutions.

ORGANIZATION

3. Expanded Capabilities

Design can introduce new capabilities and collaboration models to improve decision making within communities and institutions.

SYSTEM

4. Increased Equity

Design can contribute to increased equity, sustainability, and long-term impact by strengthening buy-in and ownership at each level within the health system.

DESIGN AS A SKILLSET

DESIGN AS A MINDSET

SOME EXAMPLES







RAPID TRANSITIONS AND THE VULNERABILITIES THAT COME WITH THEM

The fast pace on the road to fulfilling society's expectations

We had been dating about four months and we felt that it was now time to start living on our own home. A month later I found out I was pregnant.

MEET GRACE

We had the opportunity to meet Grace three times.

When we met her for the first time, she grieved the loss of her baby, who died following an emergency delivery during transit to the public facility.

The second time we met Jane, she felt both physically and emotionally stronger, despite being rejected by her mother-in-law who blamed her for the death of her baby. It was at this point that she wanted to share her delivery with us, from her perspective.

The third time we spoke with Jane, she announced news of her second pregnancy.

GEOGRAPHY

Kiambu, Kenya

DEMOGRAPHY

22, Female, Married 3rd born in family of 5, born 4 hours from her marital home

People at home:

Lives with husband, 24 years old Lives in his family's compound with her mother in-law (MIL) and grandmother-in-law (who is a TBA).

PATHWAY

Aspirational Pathway



KEY FACTORS Social

Raised by a single mother Tension with mother in-law Lack of husband's advocacy during labour pains

Lack of in-home female companion

Health

Pre-term baby (6 months, 1 week) Emergency delivery on way to facility High adherence in ANC Low understanding of delivery signs Child death Verbal abuse due to child death

Environment

Distance to health facility

WHY THIS CASE?

Grace recently lost her first child, after giving birth next to a bus stand on the roadside, on her way to the nearly public facility.

That vulnerable moment was influenced by her new environment after her marriage. During the two visits, she shared how she reflected on the experience, understanding what led up to her emergency delivery, and sharing the many contributing factors with us.

The loyalty and emotional support from her husband helped Grace to heal. All of the learnings from there tragic experience will influence how they approach future pregnancies, incorporating them into better care-seeking strategies.







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tunity to start earning.

Detail Journey A: Grace's first year away: from graduate, to girlfriend, to wife, to daughter, to new mother





ing parents together, knowing that this was the next step in their journey as newly-weds.



WHAT IT MEANS different, much more exciting, with new

people in and out each day.

Grace had never had a boyfriend before, and enjoyed the companionship. She felt the most convinced by him when he introduced her to his mother and grandmother.

WHAT IT MEANS

She was nervous moving into his family's

home, anxious about what his family would

think of her. They received her warmly, and re-arranged the family kitchen so that the



Detail Journey A: Grace's first year away: from graduate, to girlfriend, to wife, to daughter, to new mother





After completing her Form 4 education, Grace followed in her sister's footsteps by looking for opportunity in the city. Her cousin offered her a place to stay near Kiambu town, so she took the chance.





Financial independence after migration to the city.

Grace meets a young man who works in a butcher shop and orders from her cafe often. They get to know each other slowly, and eventually start spending most of their free time together.



After four months of seeing each other, they decided to formalise the relationship, which meant moving into his simba on his family's compound.

After one month in her new relationship and new home. Grace discovered she was pregnant.



No possibility of university education and pressure to secure her future financially.

OUTCOMES

Developed trust and shared their respective expectations for a marriage and life together.

Limited time to develop ways to express, assert

Short time between moving to the in-laws and get and negotiate with new family. to know them and getting pregnant





Detail Journey B: Grace First pregnancy and delivery





CARE-SEEKING

Strong desire among couple to do the "right thing" during pregnancy

CARE-SEEKING Lack of appropriate diagnosis and identification of danger signs

CARE-SEEKING Prolonged departure to the facility

CARE-SEEKING

Pre-term delivery leading to infant hospitalization

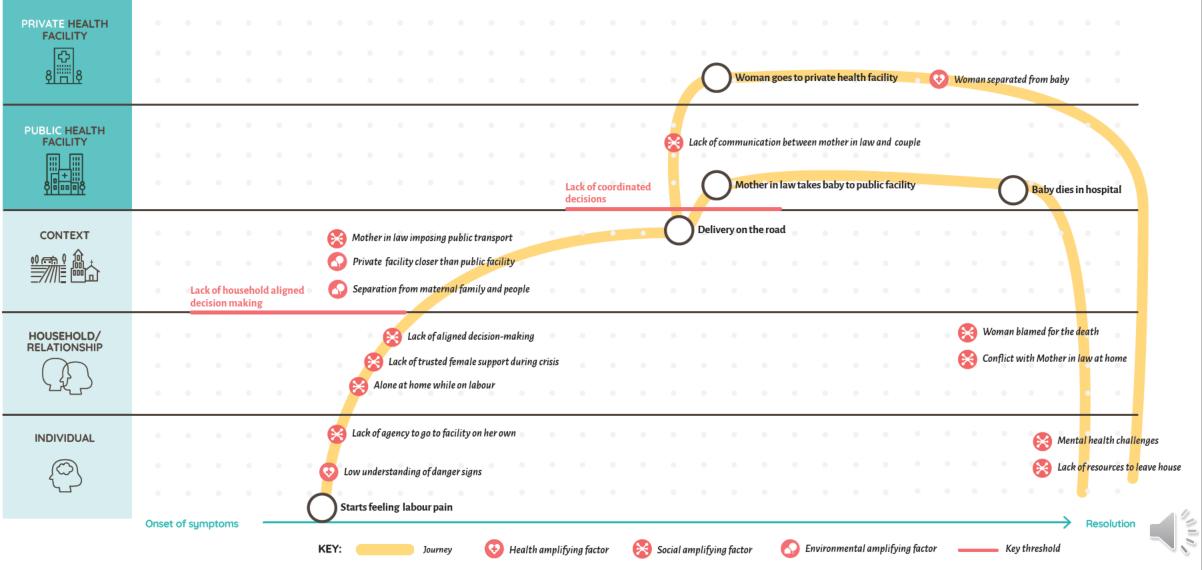
CARE-SEEKING Lack of follow up for physical and emotional maternal health

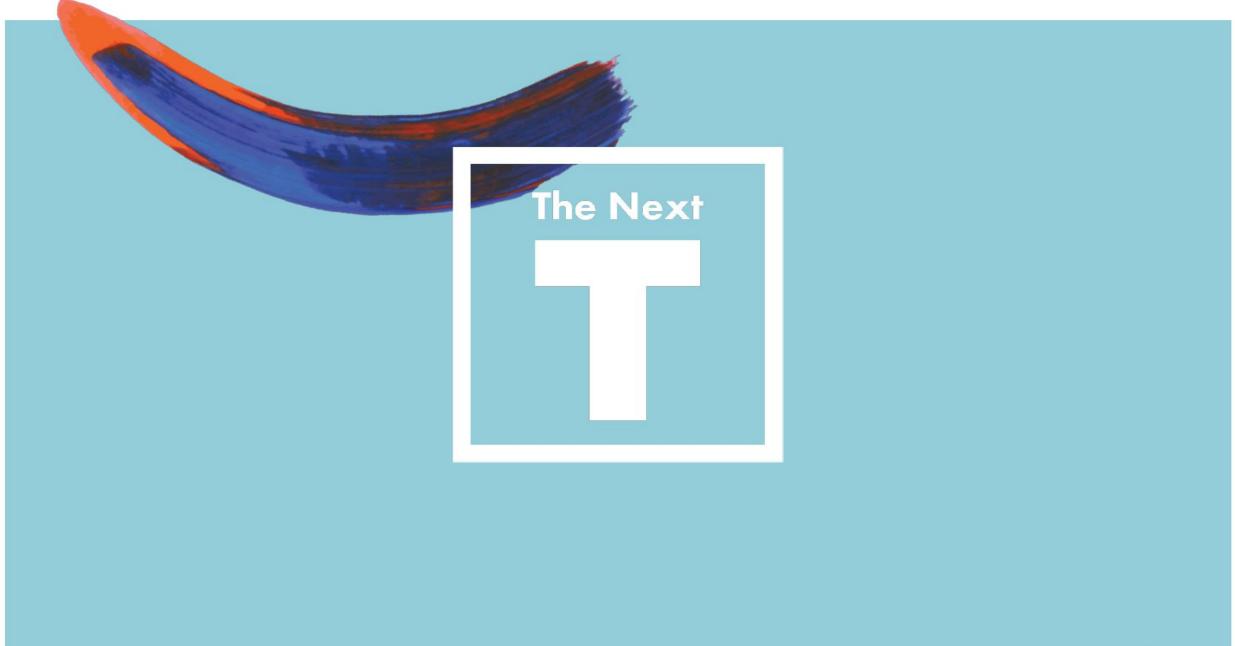




Threshold Types

I nresholds during labour and delivery







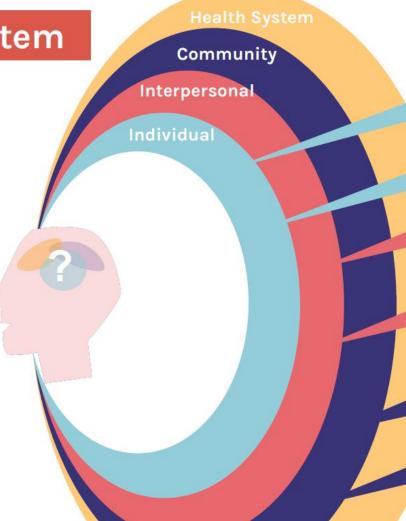
The Next T project

The Next T project uses human centred design and creative problem-solving approaches to:

- 1. Understand the barriers to testing for HIV, subsequent linkage to care and adherence to treatment for adolescents and young adults in Tanzania.
- 2. Develop innovative solutions that support stakeholders along the HIV cascade.



Barriers Ecosystem



Learning 1: People believe HIV is inevitable.

Learning 2: People believe being HIV+ equates to death.

Learning 3: A young person's circle of trust is small.

Learning 4: Danger to relationships: AGYW face abandonment, financial distress & violence.

Learning 5: Shunned by the community.

Learning 6:

The pressure of societal norms makes girls hide the realities of their sexual lives.

Learning 7:

Confidentiality is compromised at so many levels in the design of testing and care services.

110

The **bloated perception of barriers** that people believe they will face along their journey to testing and care, prevents them from testing way before they actually face those barriers. As a result **the first test is the hardest**. **(Learning 8)**

Problem: Loss to Follow Up

Counselor

During formal training, counsellors are advised that they should assess the individual needs of clients. However, there are no sessions or exercises to teach them how to do so.

During counselling, counsellors provide information about the relevance of medication for living with HIV in terms of its effect on immunity and prolonged life. There is little information about other barriers of the ecosystem that clients face as identified by the Next T research.



Client

After testing positive for HIV, fear of death might be one of the primary fears, but accepting the result, inability to disclose to family or partner, inability to provide for family and bear children, stigma etc. are equally relevant barriers, which are not addressed during counselling.

The Next

If barriers are left unaddressed, many HIV+ clients may find it difficult to start treatment or having started treatment, may not adhere to the required regime. For those who test negative, an unpleasant experience during the test might deter them from testing again.

Session 1 Building the Barrier Ecosystem



24

The Next



1. Listing down barriers

Participants were asked to reflect on their experiences and write down barriers that clients face in testing for HIV, linking to care and adhering to treatment. Note that in the original format of training PLHIV champions also participate in listing barriers.



2

2. Classifying barriers into levels

Each participant read out their barriers to the larger group, and through discussion the barriers were then categorised under the various levels - individual, interpersonal, community, and health system. There is more focus and discussion on barriers which overlap across two or more levels to demonstrate the complexity of barriers and how they are interrelated.



3. Finalising the Barrier Ecosystem

Once all the barriers were discussed, participants were provided templates that allows them to create a Barrier Ecosystem. Special attention was given to pointing out that the Barrier Ecosystem was created by the participants themselves.



Session 2

Building Client Profiles and Redressal Strategies





Writing down case stories

Participants were asked to write up short cases drawn from their own experiences with clients. They were provided templates to record one case story per template, while identifying the key barriers to testing, linkage to care in that case.



Making case clusters and profiles

Each participant presented the cases to the larger group. The facilitator and participants discussed and agreed upon clusters of cases based on their key barriers. Small groups then drafted client profiles based on the clusters that were formed.



Identifying redressal strategies

Participants in each group discussed the profiles and the main barriers of each. They then identified potential redressal strategies for each profile. Finally each group presented their profile to the larger group for discussion.







If you are unsure if you should go for testing or need more information, please call or text: TAYOA 117 Mon-Sun 12.00-23.00



You may present this at the front desk to receive discreet service.

ADDRESS:

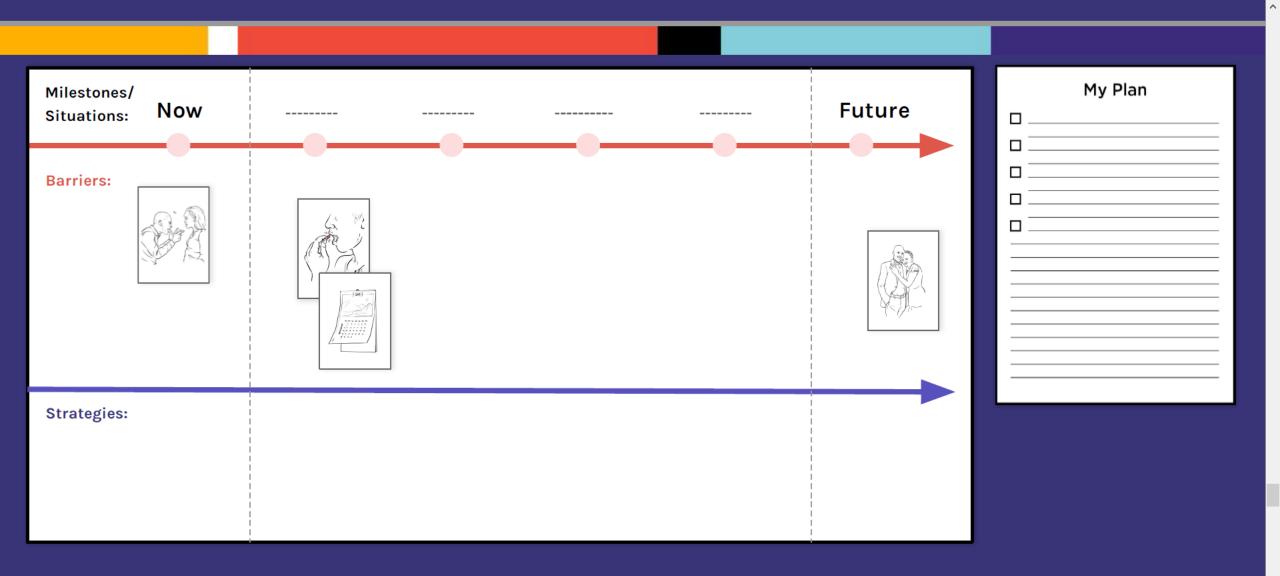
FULL NAME:

ID:

OPEN

"I would like to take a HIV Test today"





Using the canvas and cards, the counsellor figures out the barriers a client faces in linkage to care and adhering to medication and co-draft a plan for addressing them. The client carries the plan with them after the counselling, which is their guiding checklist on their journey towards linkage to care and adherence to medication.



Thanks for listening

For more resources on design in health please visit: Designforhealth.org