



Data for Decisions to Expand
Nutrition Transformation

**Data visualization tools for
nutrition: Empowering
decision-makers to
accelerate progress**



Outline of the Session:

Time	Topic
12:15-12:25	Introduction and session objectives
12:25-12:40	Presentation on data visualization tools for nutrition
12:40-1:20	Panelist discussion
1:20-1:45	Questions from the audience



Objectives of the session

- Build awareness on the landscape of global data visualization tools (DVTs) for nutrition
- Discuss how DVTs in nutrition do or could better support decision makers globally and in country



Data for Decisions to Expand
Nutrition Transformation

Data visualization tools for nutrition

Results for Development



Presentation Outline:

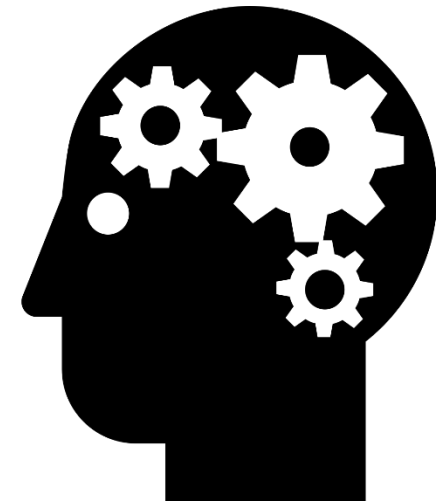
1. What is data visualization and why should we care?
2. How do data visualization tools contribute to the nutrition landscape?
3. What do we know about user needs and practice?



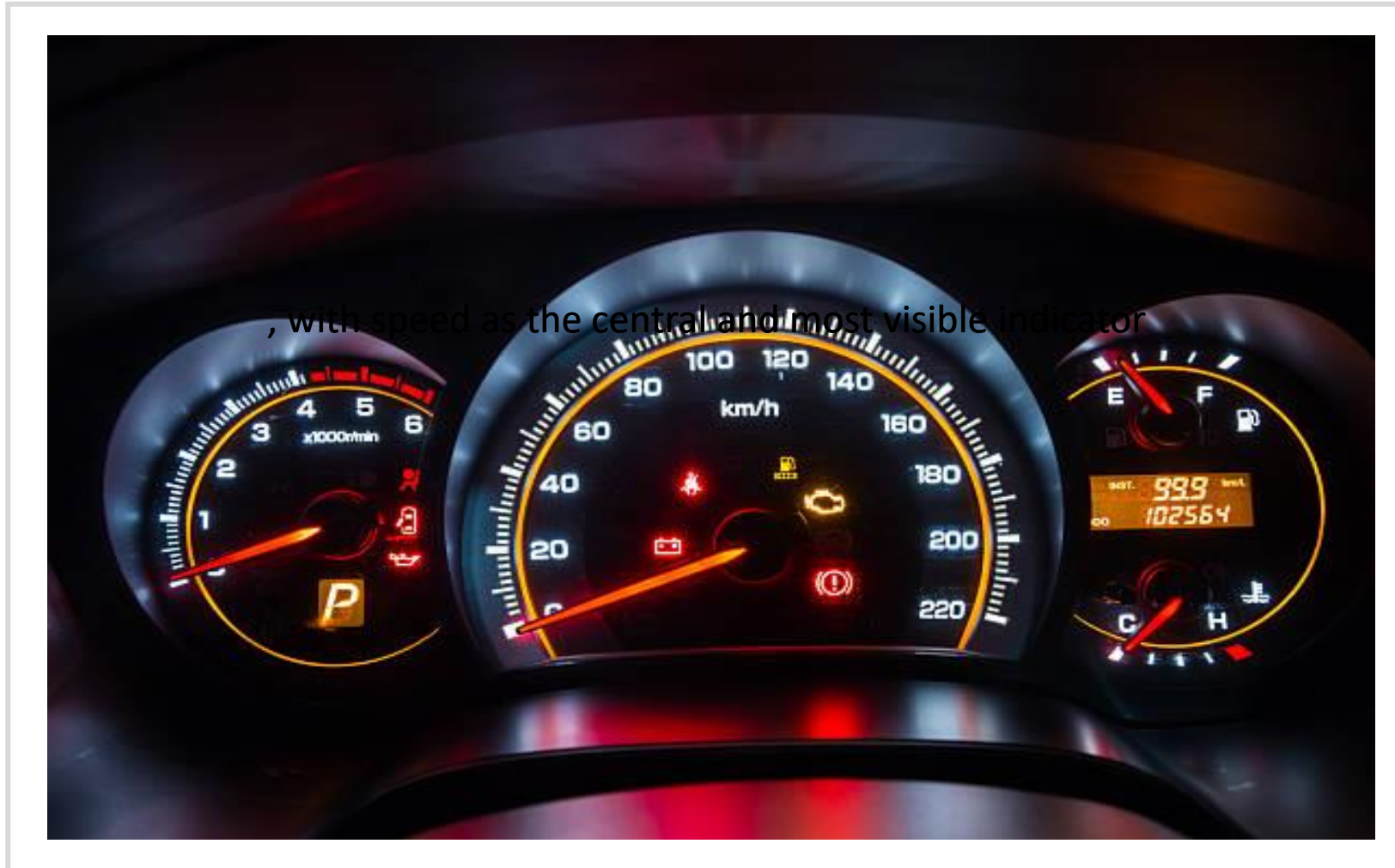
What is data visualization and why should we care?

Why visualize data?

- Data are more persuasive as graphs compared to tables.
- Human brains more rapidly process visuals compared to text.
- Data visualization tools are useful for decision-making, advocacy, and communication.



The visualization of data should provide the most important information for the decisions we need to make

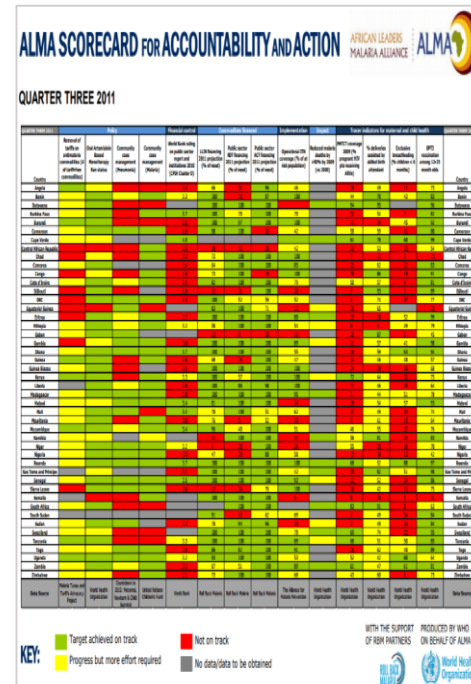


There are Different types of DVTs

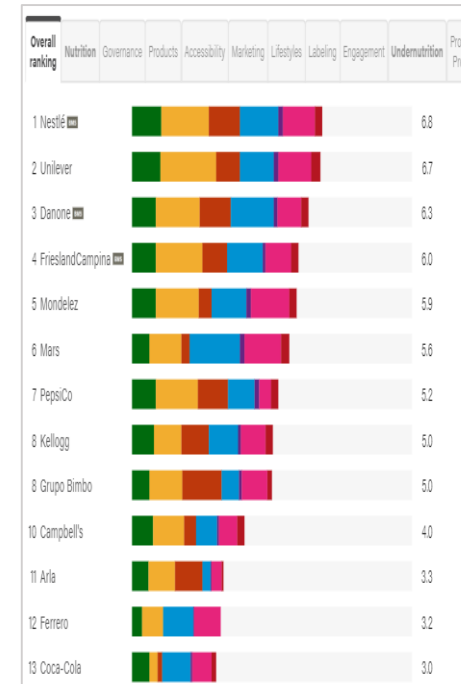
Dashboard

Country	Breastfeeding Outcomes				Enabling Environment		
	Continued at 1 year old	Continued at 2 years old	Early initiation at <1 hour	Exclusive from 0-5 months	% Districts Offering Community Breastfeeding P.	% Primary Healthcare Facilities Offering Individual IYCF	Status of 10 Steps to Successful Breastfeeding
Albanian	78.4	58.6	40.9	43.3		49.2	1.24
Albania	60.6	31.0	42.9	38.6	8.3	4.4	0.15
Algeria	46.7	26.6	35.7	25.7	100	100	0
Andorra							
Angola	85.4	41.6	48.3	37.5	100	100	0.86
Antigua and Barbuda							0
Argentina	46.6	28.1	52.7	32.7			3.5
Armenia	36.0	21.6	40.9	44.5	100	100	0.58
Australia							20.0
Austria							15.0
Azerbaijan	42.9	16.2	19.7	12.1		22.1	0.07
Bahamas							0
Bahrain				33.8			0
Bangladesh	96.0	87.3	50.8	55.3	100	55.9	1.82
Barbados			40.3	19.7			0
Belarus	27.9	11.5	53.0	19.0			0
Belgium							9.4
Belize	51.5	35.1	68.3	33.2			0.84
Benin	95.8	45.5	46.6	41.4	14.7	10.9	0.40
Bhutan	92.0	60.6	77.9	51.4	100	100	2.62
Bolivia	72.2	37.9	55.0	64.3	100	100	1.72
Bosnia and Herzegovina	12.4	12.2	42.3	18.5	100	100	0.12
Botswana	36.3	5.9	40.0	29.3	100	100	0.13
Brazil	47.5	26.0	42.9	38.6	100		0.1
Brunei Darussalam							0
Bulgaria							0

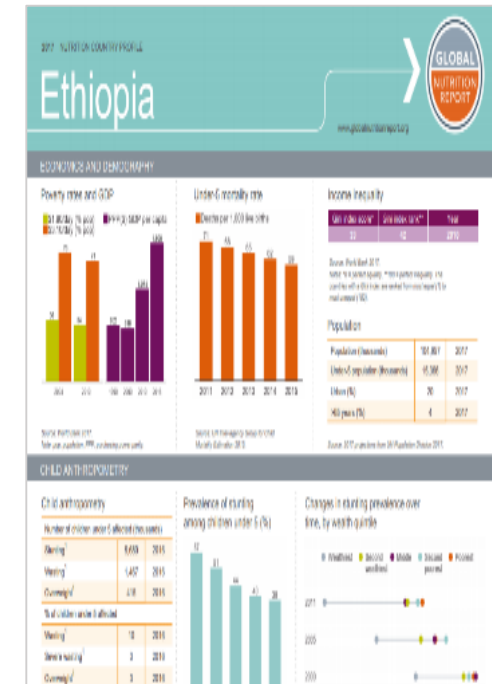
Scorecard



Index



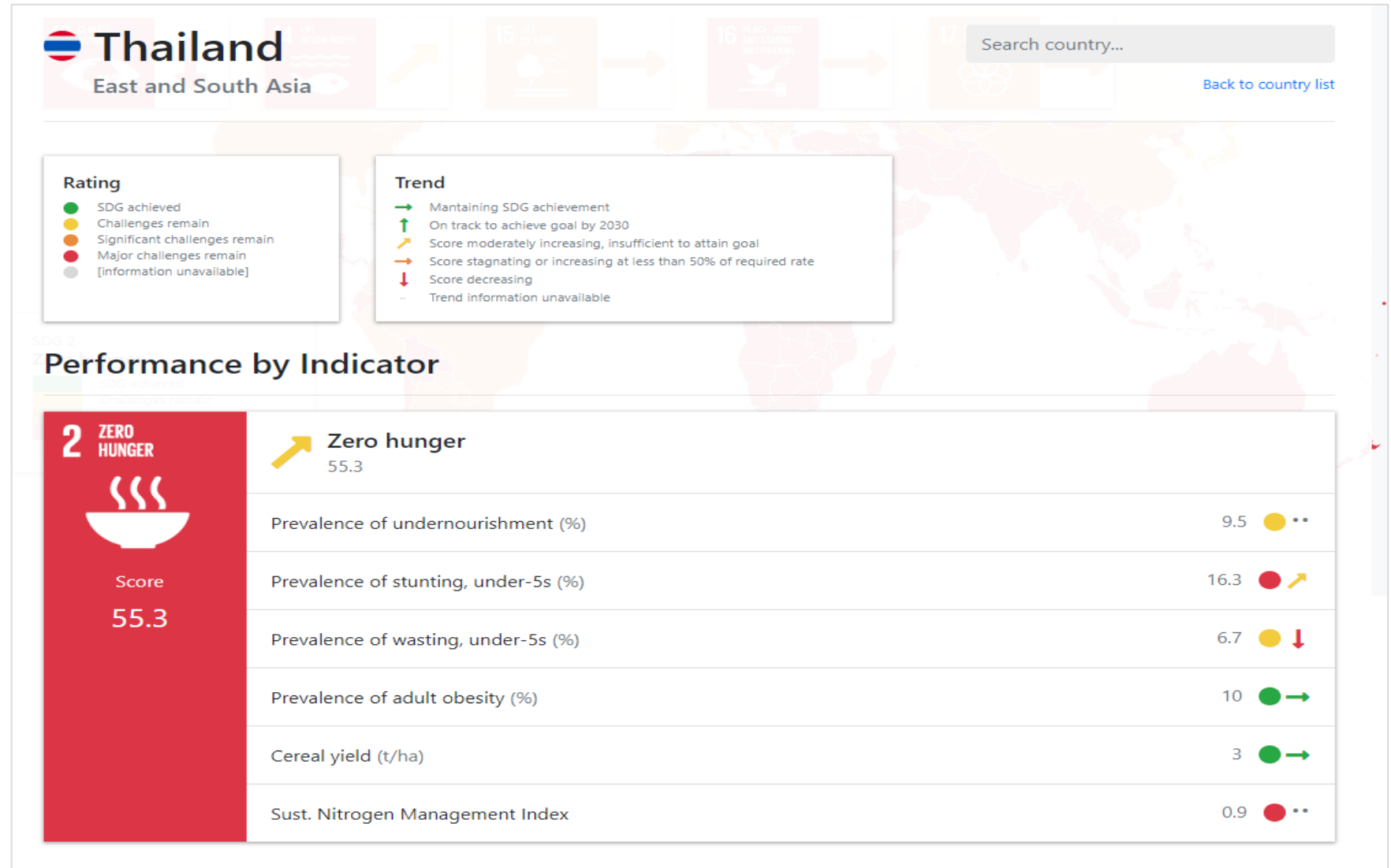
Profile



DVTs:

Different types of tools for different goals (1/3)

Promote accountability: Scorecards & indices



DVTs:

Different types of tools for different goals (2/3)

Management decisions & actions: dashboards & scorecards



GLOBAL BREASTFEEDING COLLECTIVE **unicef** **World Health Organization**

Scorecard data

Select variables to display in table: (All) Filter by region: (All) Filter by category: [] [] [] [] []

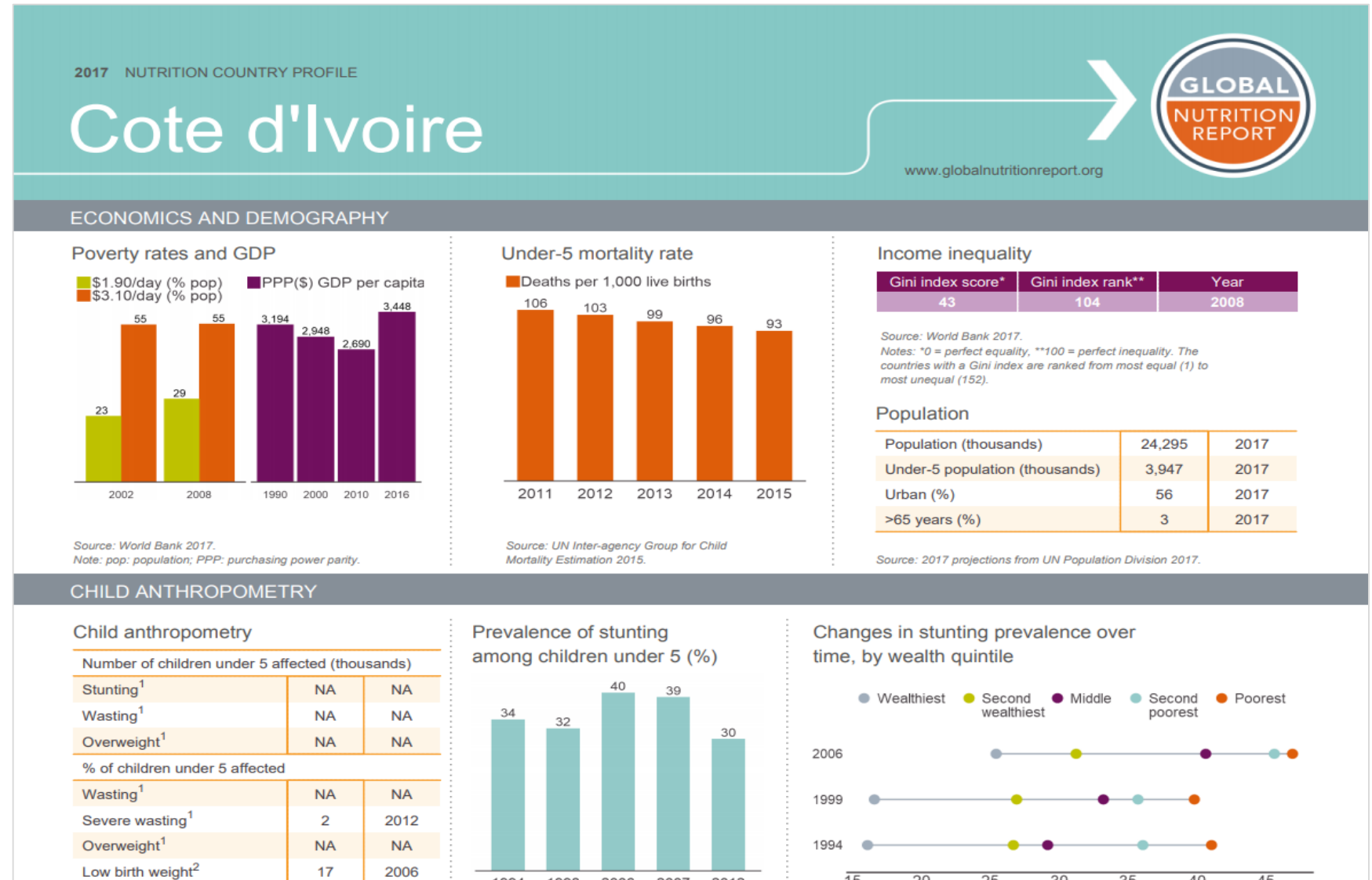
Country	Breastfeeding Outcomes				Enabling Environment						Reporting	
	Continued at 1 year old	Continued at 2 years old	Early Initiation at <1 hour	Exclusively from 0-5 months	% Districts Offering Community Breastfeeding P..	% Primary Healthcare Facilities Offering Individual IYCF ..	Amount of donor funding for breastfeeding	Status of 10 Steps to Successful Breastfeeding	Status of Code Implementation	Status of Paid Maternity Leave	Last Date of Exclusive Breastfeeding Report	Last Date of WBTI Assessment
Afghanistan	78.4	58.6	40.9	43.3		49.2	1.24	0.1	Full provisions i..	Doesn't meet	2015	2015
Albania	60.6	31.0	42.9	38.6	8.3	4.4	0.15	80.4	Full provisions i..	Meets basic pro..	2009	0
Algeria	46.7	26.6	35.7	25.7	100	100	0		Few provisions i..	Meets basic pro..	2013	0
Andorra							0		Few provisions i..	Meets basic pro..	0	0
Angola	85.4	41.6	48.3	37.5	100	100	0.86		No legal measu..	Doesn't meet	2016	0
Antigua and Barbuda							0	0	No legal measu..	Doesn't meet	0	0
Argentina	46.6	29.1	52.7	32.7			0	3.5	Few provisions i..	Doesn't meet	2012	2017
Armenia	36.0	21.6	40.9	44.5	100	100	0.58	0	Full provisions i..	Meets recomme..	2016	2015
Australia							0	20.0	No legal measu..	Meets leave len..	0	2018
Austria							0	15.0	Few provisions i..	Meets basic pro..	0	2018
Azerbaijan	42.9	16.2	19.7	12.1		22.1	0.07	81.0	Many provision..	Meets recomme..	2013	0
Bahamas							0		No legal measu..	Doesn't meet	0	0
Bahrain				33.8			0	0	Full provisions i..	Doesn't meet	1995	2015
Bangladesh	96.0	87.3	50.8	55.3	100	55.9	1.82	0.6	Full provisions i..	Meets leave len..	2014	2015
Barbados			40.3	19.7			0	0	No legal measu..	Doesn't meet	2012	0
Belarus	27.9	11.5	53.0	19.0			0	3.9	No legal measu..	Meets recomme..	2012	0
Belgium							0	9.4	Few provisions i..	Meets leave len..	0	2015
Belize	51.5	35.1	68.3	33.2			0.84		No legal measu..	Meets basic pro..	2016	2017
Benin	95.8	45.5	46.6	41.4	14.7	10.9	0.48	3.4	Full provisions i..	Meets leave len..	2014	0
Bhutan	92.0	60.6	77.9	51.4	100	100	2.62	0	No legal measu..		2015	2016
Bolivia	72.2	37.9	55.0	64.3	100	100	1.72	9.8	Full provisions i..	Doesn't meet	2012	2017
Bosnia and Herzegovina	12.4	12.2	42.3	18.5	100	100	0.12	0	Few provisions i..	Meets leave len..	2012	2015
Botswana	36.3	5.9	40.0	20.3	100	100	0.13	0	Full provisions i..	Doesn't meet	2007	2011
Brazil	47.5	26.0	42.9	38.6	100		0.1	23.4	Full provisions i..	Meets basic pro..	2006	2014
Brunei Darussalam							0	0	No legal measu..	Doesn't meet	0	2015
Ruinaia							0	0	Few provisions i..	Meets basic pro..	0	0

To download the Scorecard, methodology and references, please visit: <http://www.who.int/nutrition/publications/infantfeeding/global-bf-scorecard-2018/en/>

DVTs:

Different types of tools for different goals (3/3)

Provide information: profiles





How do data visualization tools contribute to the nutrition landscape?

A three step approach was used to identify & ultimately select 22 DVTs from a pool of 32 DVTs

Step I: Scope



DVTs that display nutrition data were selected for the review

Step II: Identification



DVTs were identified through a combination of desk review (via internet search) and partner recommendations

Step III: Selection



Only publicly accessible, global, and active DVTs were included in the review



Key finding #1

There's a growing number of DVTs in nutrition – 22 of them

Key finding #1:

There is a growing number of global data visualization tools in nutrition – 22 of them

GLOBAL HUNGER INDEX

Global targets tracking tool



Nutrition for Growth Accountability Tool

Vitamin A supplementation interactive dashboard



SUN Movement Monitoring, Evaluation, Accountability, Learning (MEAL)



Country Indicators



The State of Food Security and Nutrition in the World



Countdown Country Dashboards

Global Scorecard of Iodine Nutrition

MEASURING PROGRESS TOWARDS ENDING MALNUTRITION



SDG Index and Dashboards Report

Global Fortification Data Exchange



THE WORLD BANK

Nutrition Country Profiles



GLOBAL BREASTFEEDING SCORECARD, 2017

National Anemia Profile

**UNICEF / WHO / World Bank Group
Joint Child Malnutrition Estimates**



NUTRITION COUNTRY PROFILE



**State of the World's Children
Report Dashboard**

Key finding #1: There's a mix of topics DVTs cover – singular or multiple



Singular

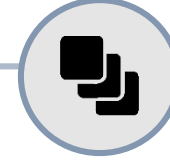
GLOBAL BREASTFEEDING SCORECARD

National Anemia Profile

Global Scorecard of Iodine Nutrition

Global Fortification
Data Exchange

Vitamin A supplementation interactive
dashboard



Multiple



SUN Movement Monitoring,
Evaluation, Accountability,
Learning (MEAL)
Country Dashboards



Country Indicators



Countdown Country Dashboards



NUTRITION COUNTRY PROFILE



THE WORLD BANK
Nutrition Country Profiles



Country
Profiles



State of the World's Children
Report Dashboard

Key finding #1: DVTs have different goals

Accountability

UNICEF / WHO / World Bank Group
Joint Child Malnutrition Estimates

Interactive Dashboard

Investing in
Nutrition

GLOBAL HUNGER INDEX



The State of Food Security
and Nutrition in the World

GLOBAL FOOD
SECURITY INDEX
2017

Global targets tracking tool



SDG Index and
Dashboards Report

Overlap



NUTRITION COUNTRY PROFILE

Nutrition for Growth Accountability Tool



Countdown Country Dashboards

MEASURING PROGRESS
TOWARDS ENDING MALNUTRITION

GLOBAL BREASTFEEDING SCORECARD, 2017



HANCI

Country Scorecards



ACCESS TO
NUTRITION
INDEX™



SUN Movement Monitoring,
Evaluation, Accountability,
Learning (MEAL)

Country Dashboards

Planning, Implementation, & Monitoring

Vitamin A supplementation interactive
dashboard

Global Fortification
Data Exchange



Country
Profiles



THE WORLD BANK
Nutrition Country Profiles

National Anemia Profile



State of the World's Children
Report Dashboard



Country Indicators



Global Scorecard of Iodine Nutrition

Key finding #1: Other facts about existing DVTs

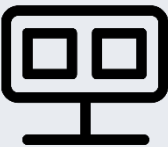
By Typology



9
Dashboards



4
Scorecards



6
Indices

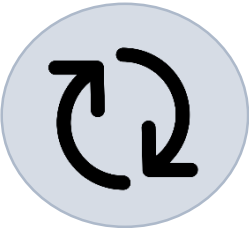


10
Profiles

By Visualization



By Production Frequency

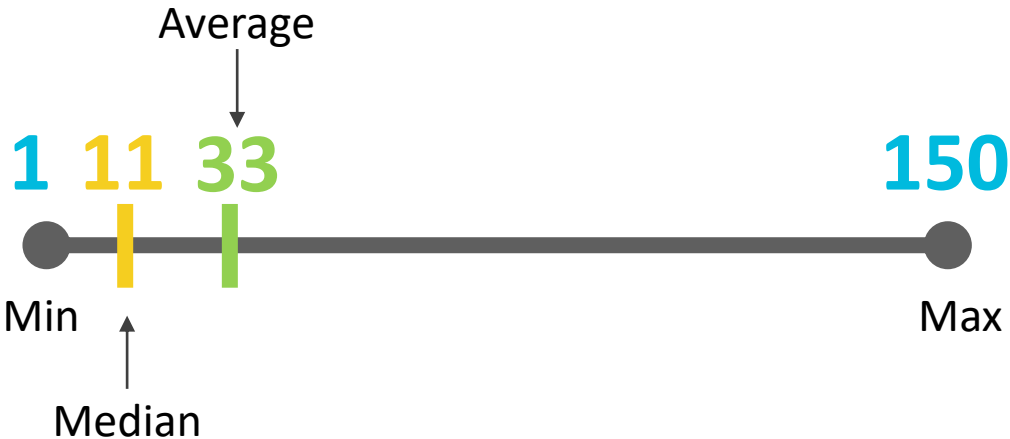


9 DVTs refreshed annually

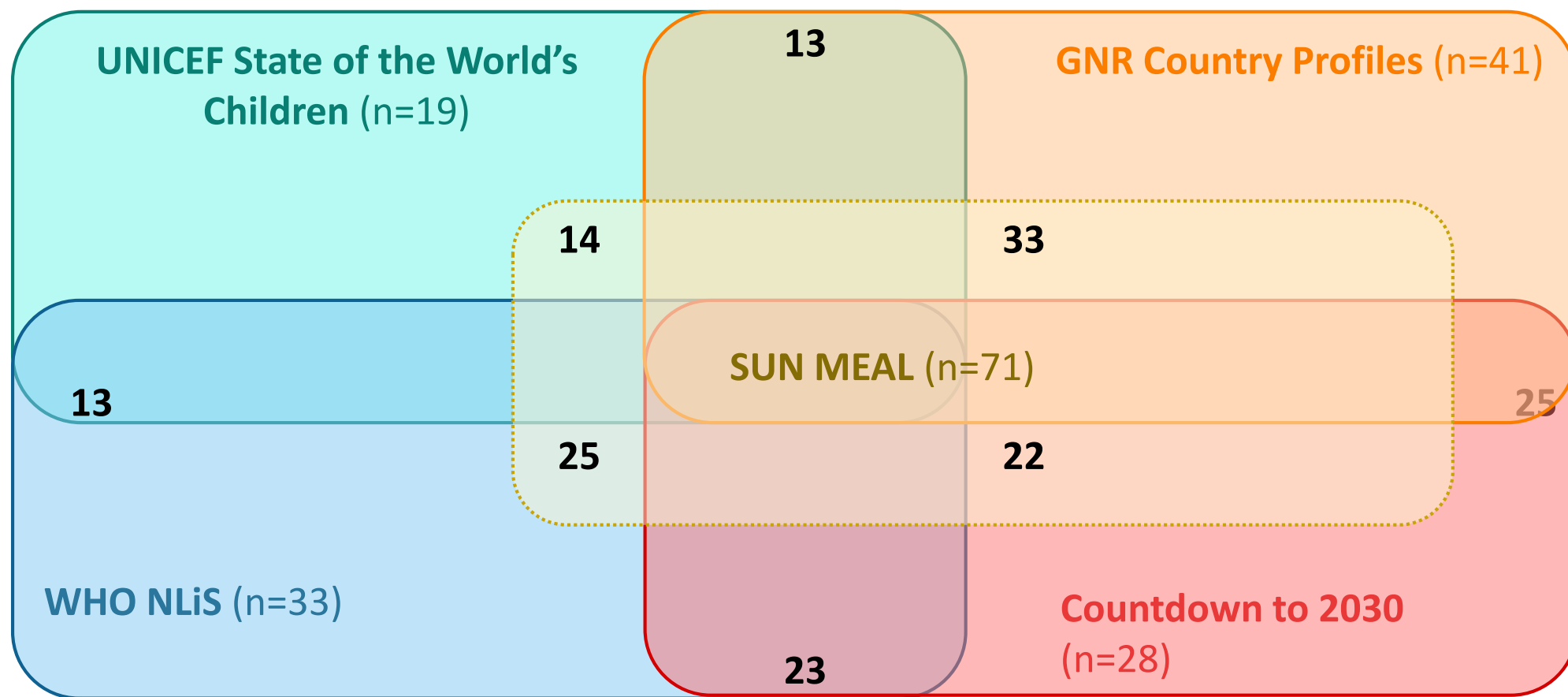
2 DVTs refreshed in 2-3 years

14 DVTs have had launches since June 2017

By # of Indicators Reported



Key finding #1: There's significant overlap across DVTs that display nutrition data





Key finding #2

The growing number of tools covering similar domains and using different methodologies may lead to mixed messages

Key finding #2

The proliferation of global data visualization tools in nutrition may lead to mixed messages among users

		 SUN Movement Monitoring, Evaluation, Accountability, Learning (MEAL) All SUN Countries Dashboard 2017	 2017	 Hanci Country Scorecards 2017
Country		Nutrition targets in policy & their quality		
		WHA targets in nutrition plans		Political Commitment
	Cambodia	 3-4 targets	 High	 Low commitment
	Philippines	 5-6 targets	 Medium	 High
	Bangladesh	 3-4 targets	 Low	 Low commitment
	Burkina Faso	 3-4 targets	 Medium	 Moderate commitment
	Madagascar	 3-4 targets	 High	 Low commitment

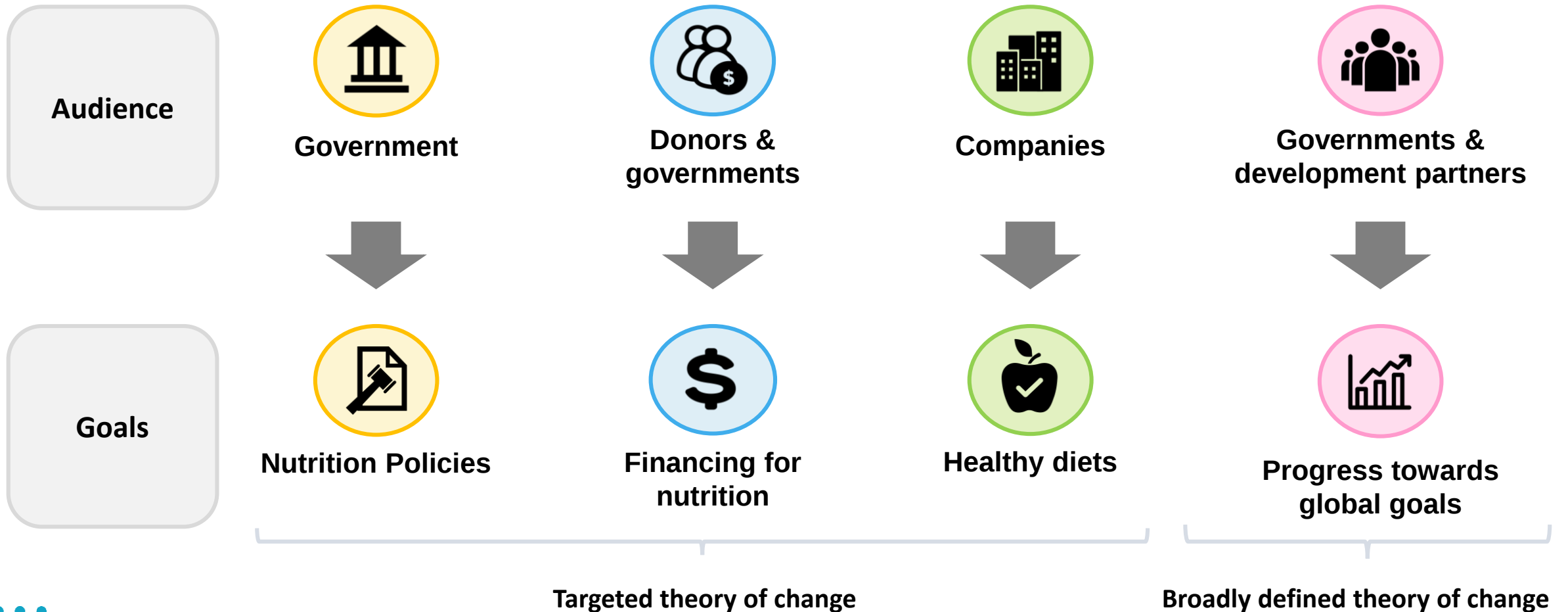


Key finding #3

The broader the theory of change, the less clear the decision you're trying to influence

Key finding #3

The broader the theory of change, the less clear the decision you're trying to influence





Key finding #4

DVTs don't have enough actionable indicators to drive decision-making in nutrition



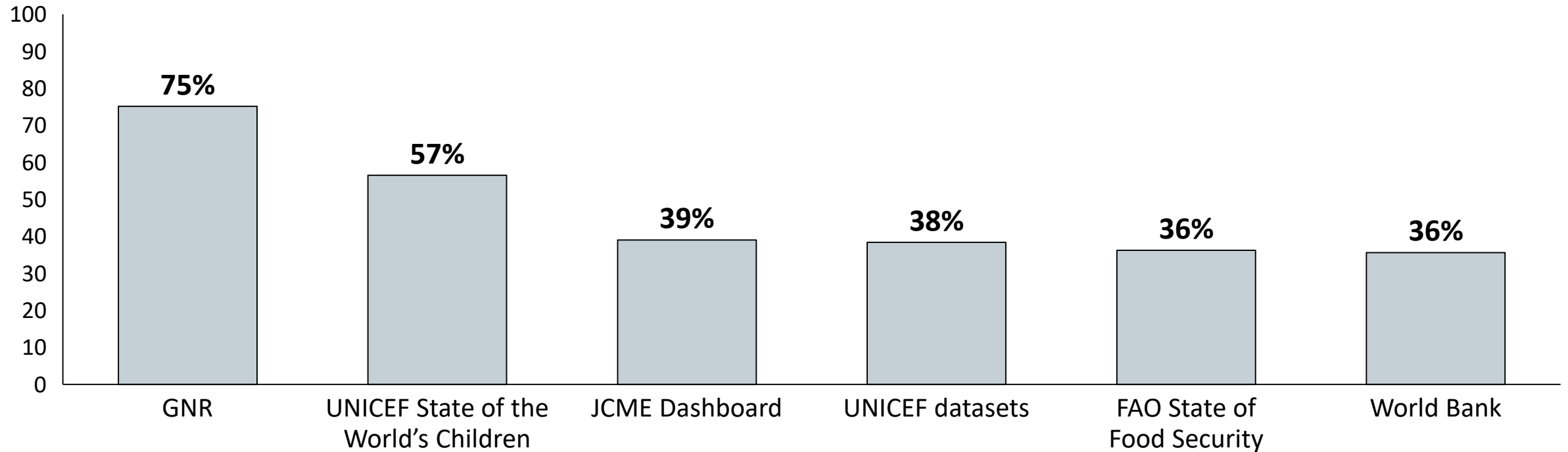
How are global data
visualization tools used?

Online survey results 1

Most commonly used global data visualization tools

% of global stakeholders using tools

N = 177



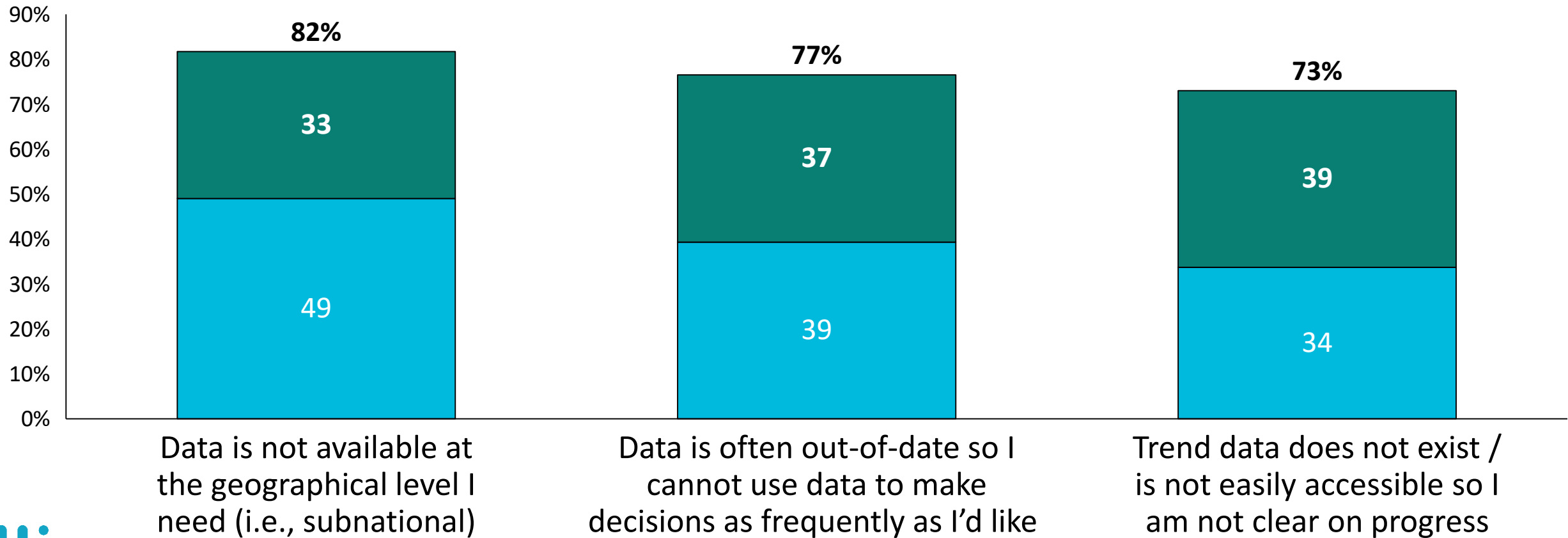
Online survey results 2

Challenges in accessing and using data

% of global stakeholders experiencing challenge

N = 196

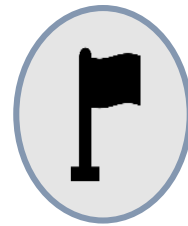
Sometimes Frequently



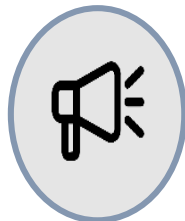
Next steps on the DVT landscaping at the global and country levels



Conduct “use case assessment”—a targeted set of consultations on data use, challenges, and needs



Conduct country case studies (e.g., India) to complement the global level review



Continue to disseminate our work

Thank you!





PANELISTS

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