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FROM THE AMERICAN PEOPLE

 Maternal and Child  
Survival Program



# **What Data Do National Health Management Information Systems Include? A Review of HMIS Systems for Maternal, Newborn, and Child Health and Nutrition and Family Planning**

**Wednesday, September 5, 2018  
9:00-10:30 a.m. EDT**

# Introduction

- MCSP works at the country and global levels to improve reproductive, maternal, newborn and child health (RMNCH) and nutrition services
- *Measurement and Data Use for Action and Accountability* is a key MCSP learning theme
- MCSP undertook this review to better understand the RMNCH content of routine HMIS across USAID-supported countries
- In SDG era, importance of routine systems emphasized\*



*Photo credit: Karen Kasmauski/MCSP. Wandi Village, Nigeria 2018*

*\*The Roadmap for Health Measurement and Accountability, 2015  
([http://www.who.int/hrh/documents/roadmap4health\\_measurement\\_account/en/](http://www.who.int/hrh/documents/roadmap4health_measurement_account/en/))*

# Webinar Outline and Process

- Overview
- Background and methods
- Kahoot quiz
- Selected findings: Maternal, Newborn, and Child health, and Nutrition and Family Planning
- Summary
- Q&A



*Photo credit: Kate Holt/MCSP.Accra, Ghana 2017*





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# What Data Do National Health Management Information Systems Include? A Review of HMIS Systems for Maternal, Newborn, and Child Health and Nutrition and Family Planning

## OVERVIEW



Photo credit: Kate Holt,  
Tshopo, DRC 2017

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# health initiatives and investments

- Initiatives in the SDG era
  - Every Woman, Every Child
  - A Promised Renewed
  - Every Newborn Action Plan
  - Ending Preventable Maternal Mortality
  - FP2020
- Investments at the country and global level in RMNCH programming



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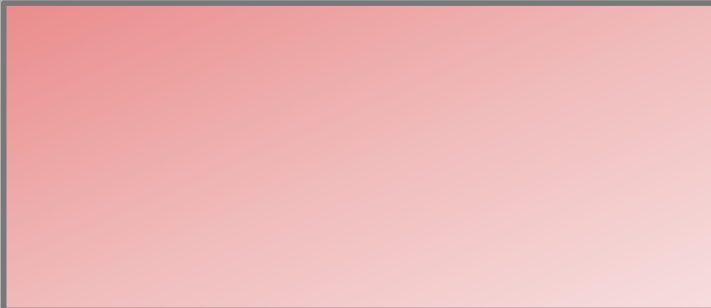


# Management and monitoring need good metrics

- Country programs require high quality data to make good management decisions at the national, sub-national and local levels
- Numerous recent and on-going global initiatives aim to improve metrics for monitoring and accountability

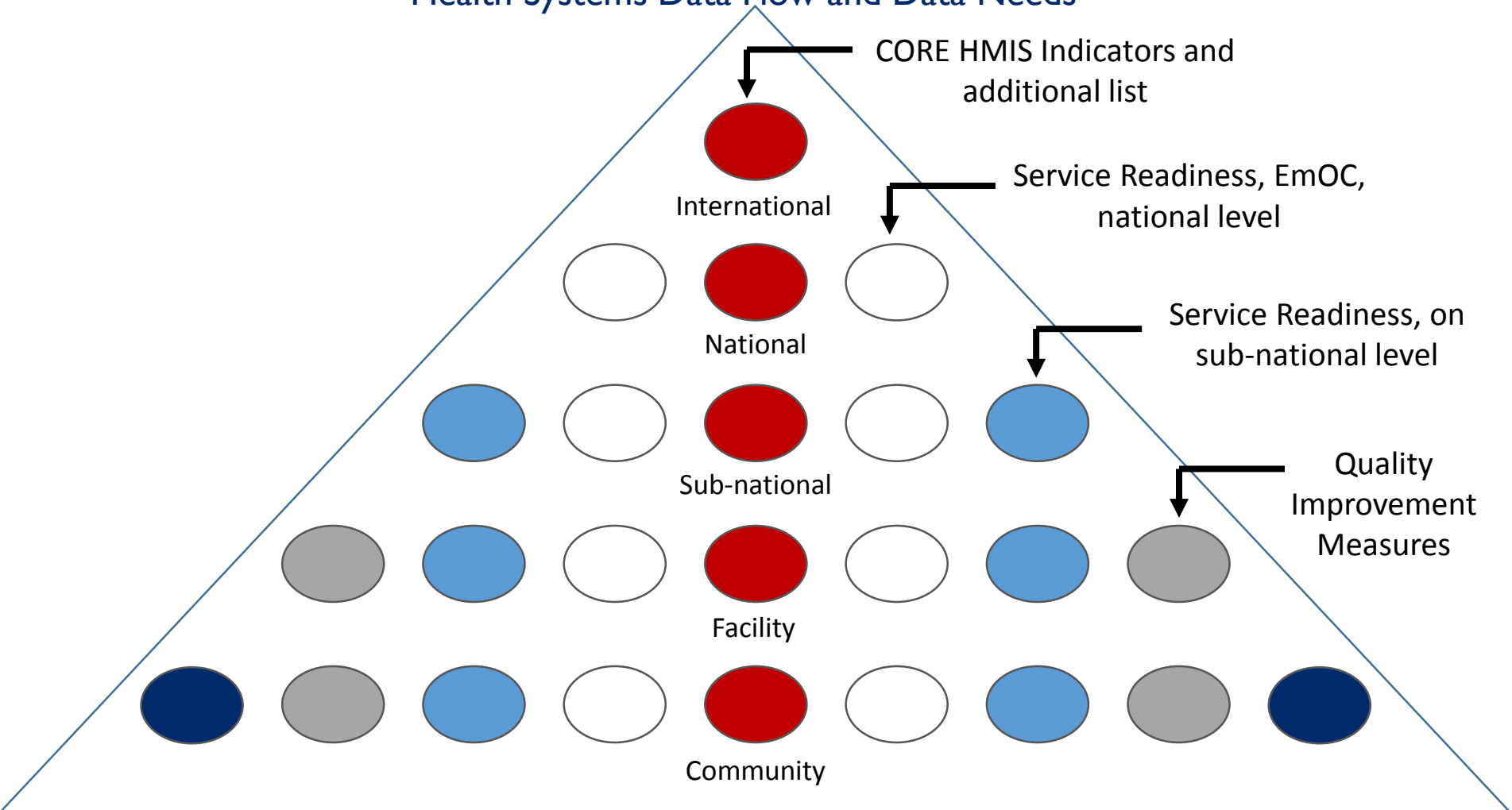


*Photo credit: Karen Kasmauski/MCSP. Okene, Nigeria 2018*

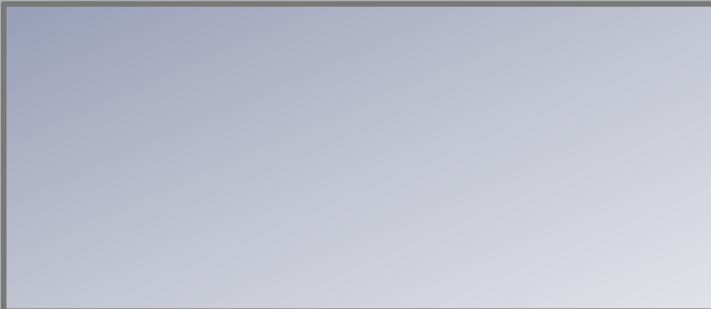
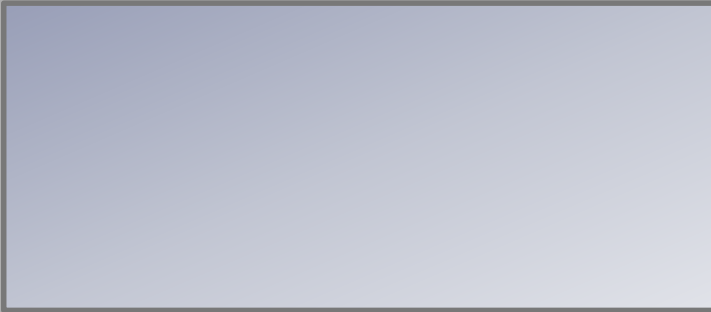


# Information for tracking and quality improvement

## Health Systems Data Flow and Data Needs

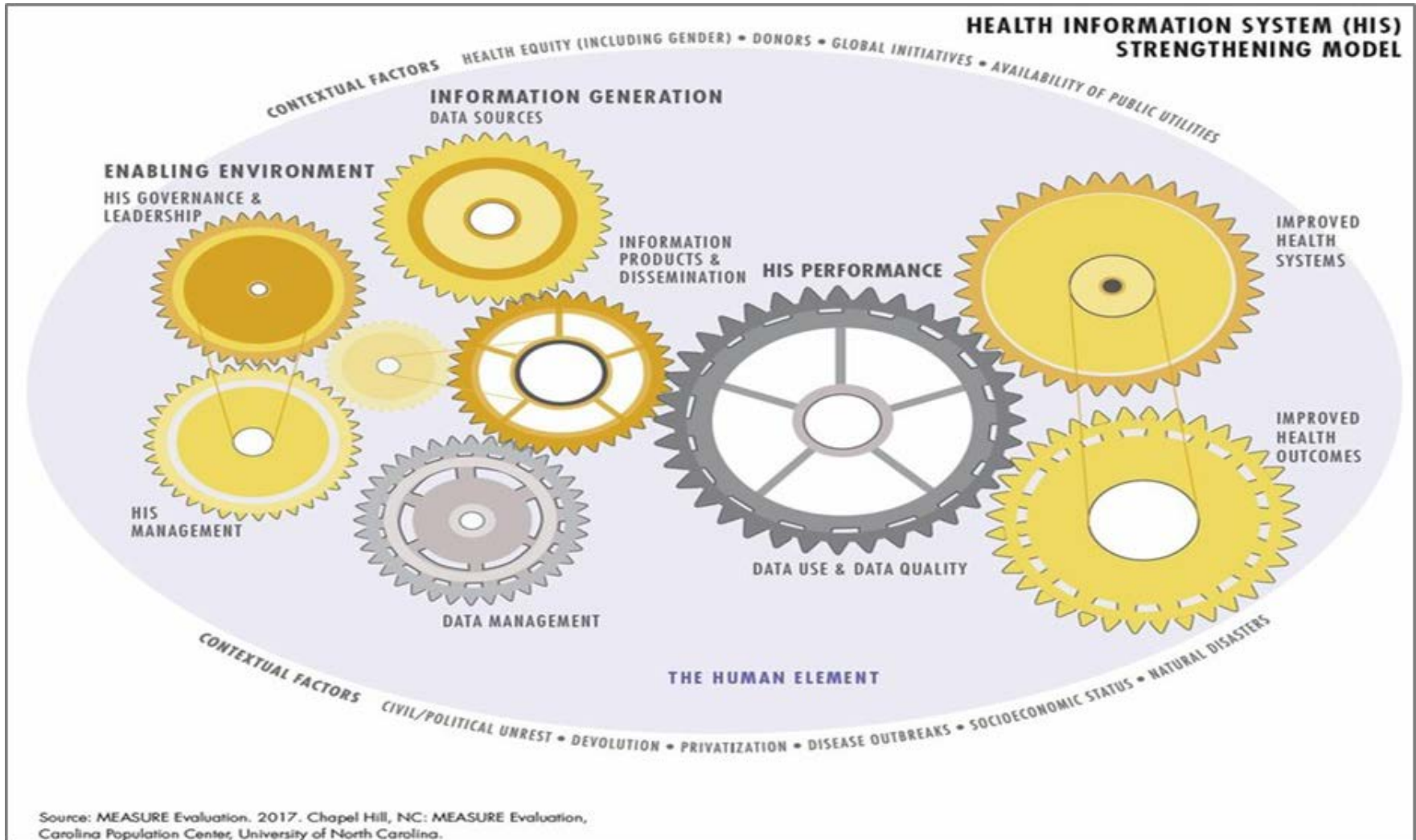








# System Strengthening



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# Purpose of this review



*Photo credit: Karen Kasmauski/MCSP. Anjro, Madagascar 2018*

- To better understand and document what information on MNH, child health, nutrition, and FP **content, quality and health outcomes** is currently included in **select USAID priority countries**.

- Identify gaps and advocate at the national level for incorporation of new MNH, child health, nutrition, and FP elements/indicators related to **content and quality** services at the national and/or facility or community levels of the HMIS

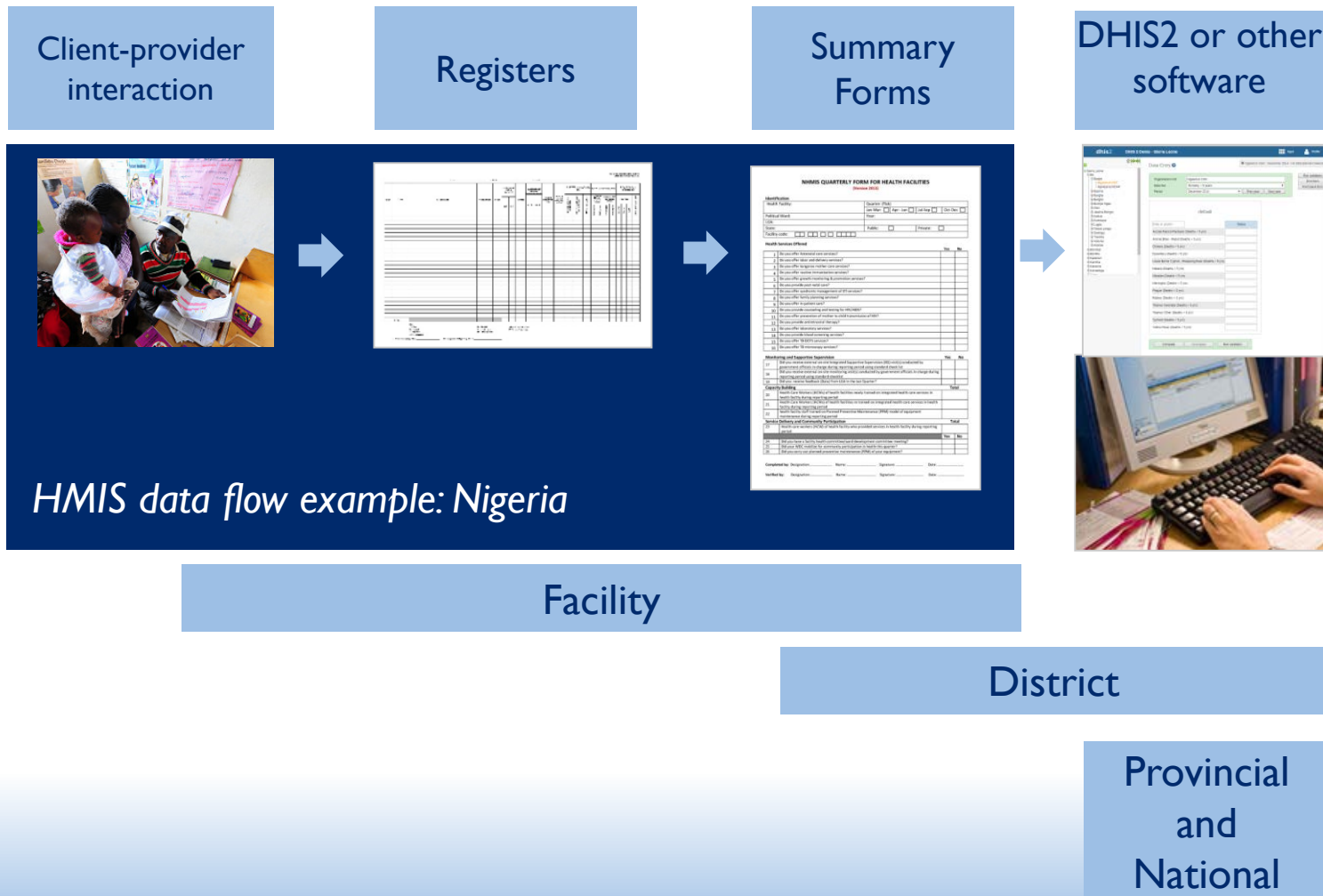
# Countries included in the review

	Child Health & Nutrition				Child Health & Nutrition		
	MNH	FP			MNH	FP	
Afghanistan	◆	◆	◆	Mozambique	◆	◆	◆
Bangladesh	◆	◆*	◆	Myanmar	◆		◆*
DRC	◆	◆	◆	Namibia			◆
Ethiopia	◆	◆	◆	Nepal	◆		◆
Ghana	◆		◆	Nigeria	◆	◆	◆
Haiti	◆	◆	◆	Pakistan	◆	◆	◆
India	◆	◆	◆*	Rwanda	◆	◆	◆
Indonesia	◆		◆*	Senegal	◆		◆*
Kenya	◆	◆	◆	South Sudan	◆		
Liberia	◆	◆	◆	Tanzania	◆	◆	◆
Madagascar	◆	◆	◆	Uganda	◆	◆	◆
Malawi	◆	◆	◆	Zambia	◆	◆	◆
Mali	◆	◆	◆	Zimbabwe			◆

*\*included in review, but still undergoing analysis*



# Subnational HMIS: Common data flow from facility to district level



# Methods, Part I

1. Developed list of data elements of interest based on global indicator recommendations and clinical algorithms
2. Collected standardized HMIS registers and monthly summary forms from countries

[illegible]

# NHIS MONTHLY SUMMARY FORM FOR HEALTH FACILITIES

(Version 2013)

## Identification

Health Facility:	Month:
Political Ward:	Year:
LCU:	Public: <input type="checkbox"/> Private: <input type="checkbox"/>
State:	Beds:
Facility code: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

## Health Facility Attendance

		Male						Female						Total		
1	Facility Attendance	0	2nd	12	5	9	19	20	0	2nd	12	5	9	19	20	
		2nd	11	9	19	19	19	19	2nd	11	9	19	19	19	19	
2	OPD Attendance															

## Maternal Health (Ante & Post natal Care)

	Total
3 Antenatal attendance - total	
4 Antenatal first visit before 20 weeks	
5 Antenatal first visit 20 weeks or later	
6 Antenatal first visit - total	
7 Pregnant women that attended antenatal clinic for 4 <sup>th</sup> visit during the month	
8 ANC syphilis test done	
9 ANC syphilis test positive	
10 ANC syphilis case treated	
11 Pregnant women who received malaria IPT1	
12 Pregnant women who received malaria IPT2	
13 Pregnant women who received LLIN	
14 Pregnant women who received Haematocrits (HAs - Iron and Folic Acid supplements)	
15 Postnatal attendance - total	
16 Postnatal clinic visits within 1 day of delivery	
17 Postnatal clinic visits within 3 days of delivery	
18 Postnatal clinic visits ≥7 days of delivery	

## Maternal Health (Labour and Delivery)

	Total
19 Deliveries - total	
20 Deliveries - SVD (Spontaneous Vaginal Delivery)	
21 Deliveries - assisted	
22 Deliveries - caesarean section	
23 Deliveries - complications	
24 Deliveries - preterm	
25 Deliveries by HIV positive women	
26 Live birth by HIV positive women	
27 Deliveries amongst HIV positive women - Booked	
28 Deliveries amongst HIV positive women - Unbooked	
29 Deliveries monitored using a partograph	
30 Deliveries taken by a skilled birth attendant	

## Tetanus Toxoid (Women of child bearing age)

	Pregnant	Non Pregnant
31 TT1		
32 TT2		
33 TT3		
34 TT4		

1

# Forms and registers included in the review

**MNH**

## Patient Forms

Partograph

## Registers

ANC  
Labor & delivery  
PNC

## Summary forms

Facility

**FP**

None

ANC  
PNC  
Labor & delivery  
FP

Facility

**CH &  
Nut**

**Community &  
Facility**

Sick child  
recording  
forms

**Community &  
Facility**

OPD/sick child  
Well child/Nut.  
Logistics

Facility

Community

*Note: FP review covered a limited number of data elements from registers, including counseling, PP/PA and commodity info*

# Methods, Part 2

3) Used standardized data abstraction template to conduct review

4) Multiple rounds of data quality assurance

5) Analysis in Excel pivot tables

Country	Region	Source	Source	Source	Source	Medication	Child	Form/regist	Register	CHW	Register	CHW	Summary	Register	Child	Facility	Register	Notes	Facility	Facility	Notes	
Aggregat	Source	Source	Source	Source	Date Element	recording	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	on	Summary	Summary	on	
																		disaggregation	Form	Form	disaggregation	
Population/Denominator					Estimated population in district								Count Value									
Population/Denominator					Estimated population in health facility catchment area								Count Value									
Population/Denominator					Estimated population in CHW target area								Count Value									
Population/Denominator					Estimated population of children 0-5 in district								Count Value									
Population/Denominator					Estimated population of children 0-5 in health facility catchment area								Count Value									
Population/Denominator					Estimated population of children 0-5 in CHW target area								Count Value									
Link child					Sign: Fever		Checkmark		Checkmark				Count Value									
Link child					Sign: Cough		Checkmark		Checkmark				Count Value									
Link child					Sign: Diarrhea		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Concili everything		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Severe complicated measles		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Not able to drink/avoid milk		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Convulsions		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Severe pneumonia (not specified)		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Difficulty breathing		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Chest is 8 cm		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Protruding tongue		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Severe dehydration		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Severe febrile disease		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Severe diarrhea		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Palpable liver		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Lethargy/very weak		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Any danger sign		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Child released		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Reason for referral (to facility/higher facility)		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Parental consent		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Child returned from CHW seen at facility		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Reason for referral to facility		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Following up with CHW		Checkmark		Checkmark				Count Value									
Link child-danger sign/symptom					Child with RDT/microscopy test (6-8 hrs)		Checkmark		Checkmark				Count Value									
Malaria					Child with positive RDT/microscopy result (6-8 hrs)		Checkmark		Checkmark				Count Value									
Malaria					Child received 3rd line antimalarial		Checkmark		Checkmark				Count Value									
Malaria					Close frequency to duration of antimalarial prescription		Checkmark		Checkmark				Count Value									
Malaria					Child of age under 15		Checkmark		Checkmark				Count Value									
Malaria					Child with fever (ITN)		Checkmark		Checkmark				Count Value									
Malaria					Child with RDT-treated		Checkmark		Checkmark				Count Value									
Phenothiazine					Child classified with pneumonia		Checkmark		Checkmark				Count Value									
Phenothiazine					Child's respiratory rate		Checkmark		Checkmark				Count Value									
Phenothiazine					Child's respiratory rate		Checkmark		Checkmark				Count Value									
Phenothiazine					Child with pneumonia (classification prescribed antibiotic)		Checkmark		Checkmark				Count Value									
Phenothiazine					No pneumonia - cough/cold only		Checkmark		Checkmark				Count Value									
Phenothiazine					Close frequency to duration of antibiotic prescription		Checkmark		Checkmark				Count Value									
Diarrhea					Child with diarrhea classification		Checkmark		Checkmark				Count Value									
Diarrhea					Duration of diarrhea		Checkmark		Checkmark				Count Value									
Diarrhea					Stool in stool (Diarrhea)		Checkmark		Checkmark				Count Value									
Diarrhea					Child given zinc		Checkmark		Checkmark				Count Value									
Diarrhea					Child given ORS		Checkmark		Checkmark				Count Value									
Diarrhea					Child given antibiotic for diarrhea		Checkmark		Checkmark				Count Value									
Diarrhea					Child given antibiotic for dysentery		Checkmark		Checkmark				Count Value									
Diarrhea					Child with diarrhea given increased fluids		Checkmark		Checkmark				Count Value									
Diarrhea					Child with diarrhea given continued feeding		Checkmark		Checkmark				Count Value									
Diarrhea					Continued to give ORS, child continued feeding		Checkmark		Checkmark				Count Value									
Diarrhea					Continued to give zinc, child increased fluids		Checkmark		Checkmark				Count Value									
Diarrhea					Counseling caregiver on danger signs (omit everything)		Checkmark		Checkmark				Count Value									
Diarrhea					Counseling caregiver on danger signs (omit everything)		Checkmark		Checkmark				Count Value									
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Diarrhea					Counseling caregiver on danger signs (omit everything)		Checkmark		Checkmark				Count Value									
Diarrhea					Counseling caregiver on danger signs (omit everything)		Checkmark		Checkmark				Count Value									





**To play along,  
open this  
address on your  
phone:**

**<https://kahoot.it>**

# Quiz!

**<https://play.kahoot.it/#/k/ef9e5525-de72-42ba-a9e1-683c20bfe7fe>**



*Photo credit: Karen Kasmauski/MCSP. Anosy Avaratra, Madagascar 2018*

## Selected Findings: Maternal and Newborn Health

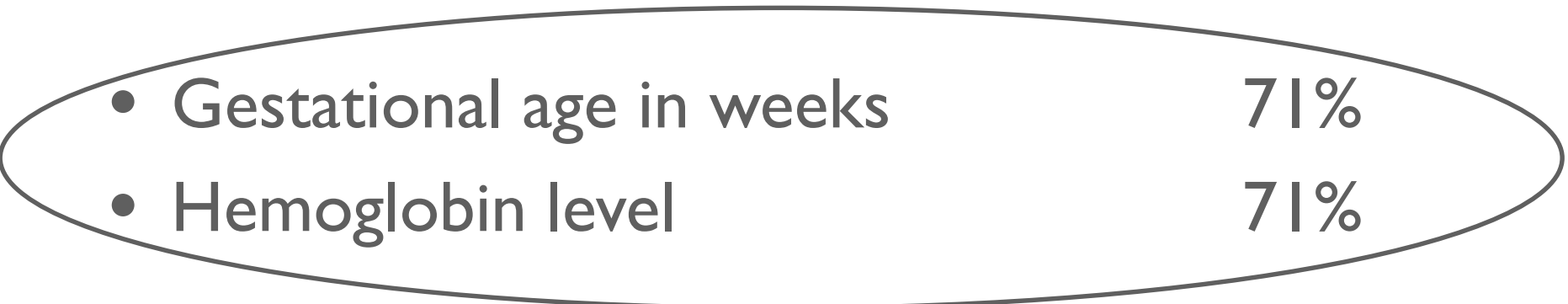
Most ANC and L&D registers record presence of fetal heart tones.

- True

- False

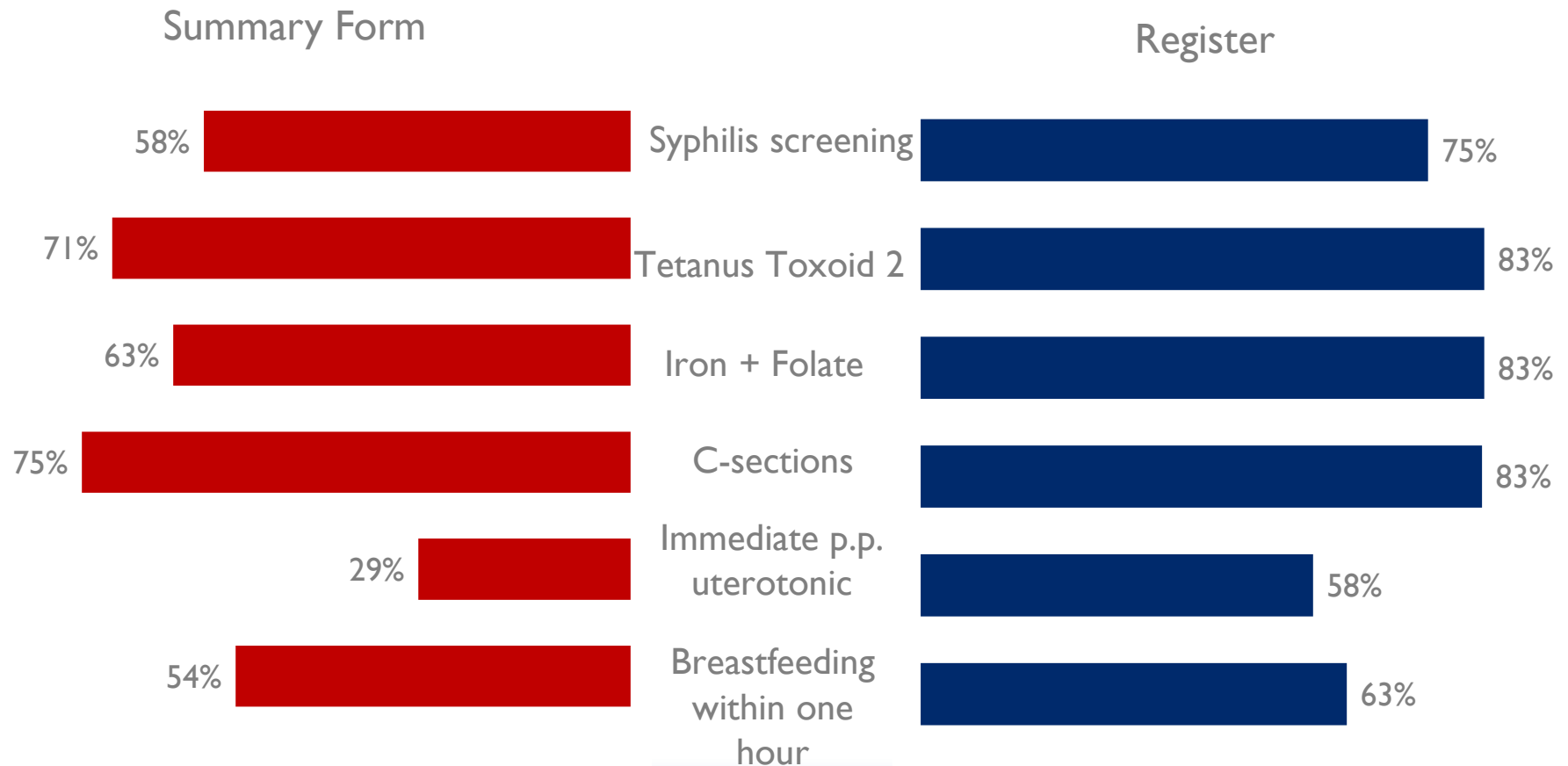
38% of ANC registers and 37% of L&D registers or partographs record presence of fetal heart tones.

Which data element is most commonly available in **antenatal care** registers:

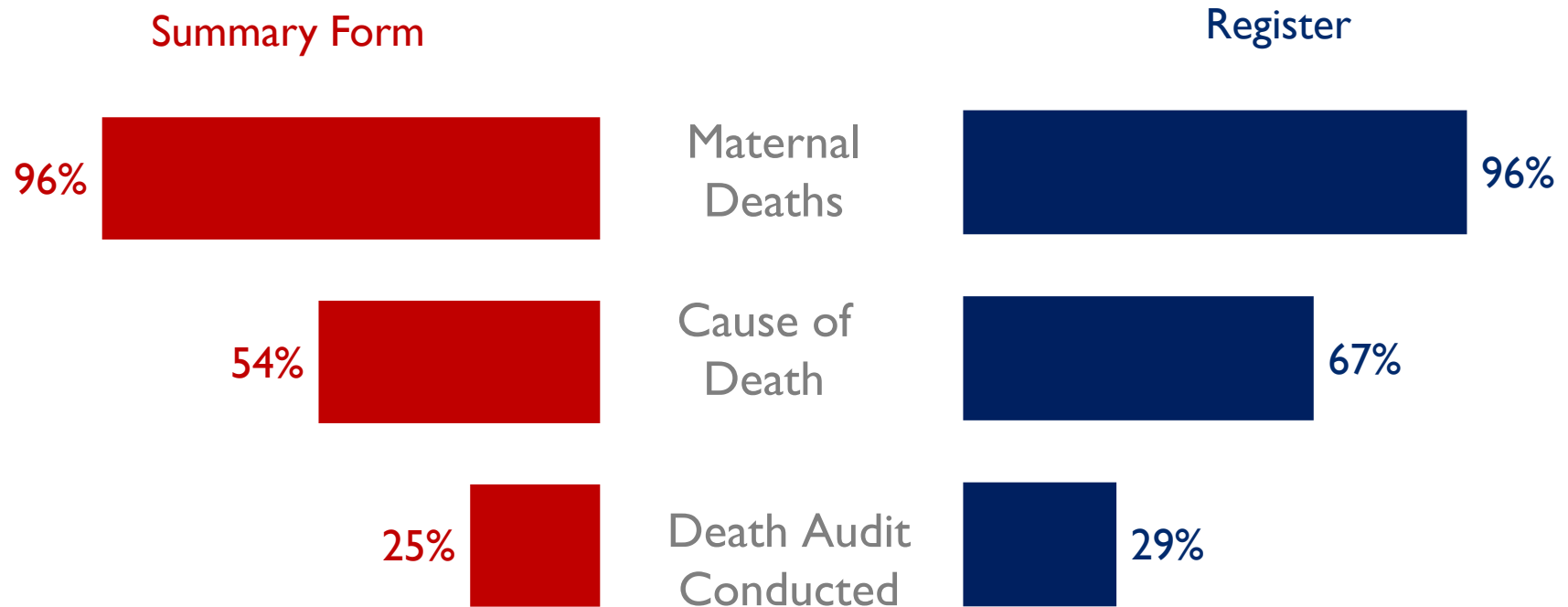
- 
- Gestational age in weeks 71%
  - Hemoglobin level 71%
  - Pre-eclampsia/eclampsia diagnosis 21%
  - Antepartum hemorrhage diagnosis 21%



# Data collection for high impact interventions during antenatal, delivery and postnatal care



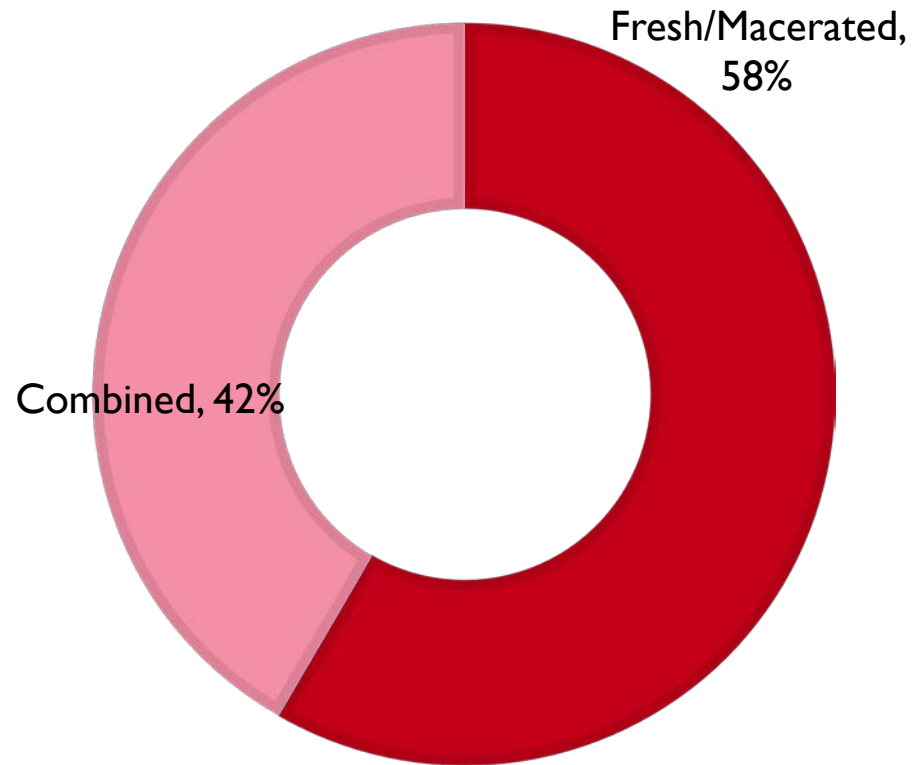
# Institutional maternal Deaths are tracked by nearly all countries, but aggregated data on specific timing and cause data are lacking



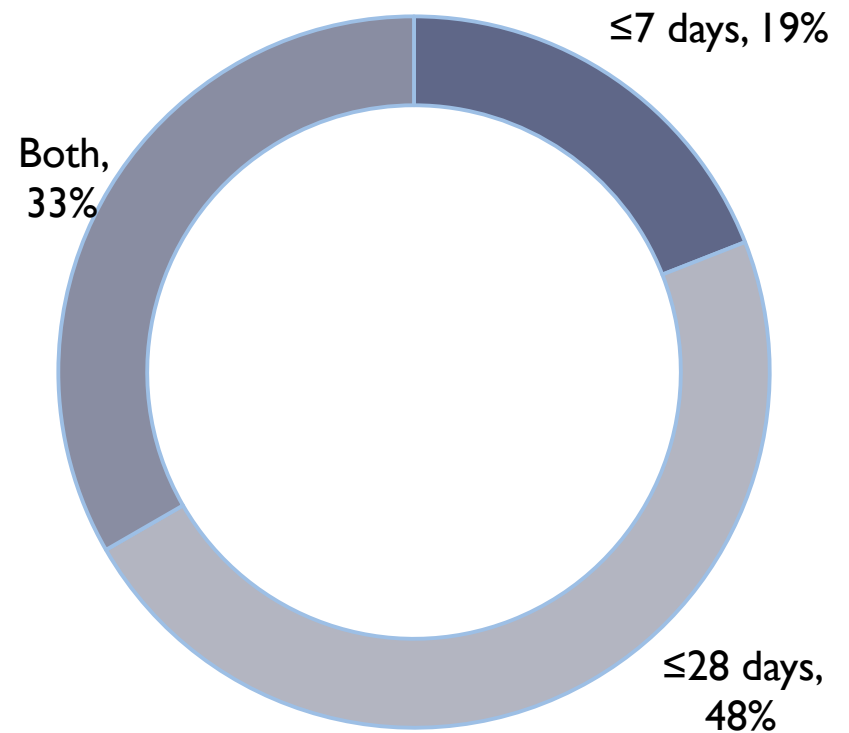
- No summary forms tracking “ pre-discharge” maternal deaths specifically.

# Stillbirth and Institutional Neonatal Mortality Data

Stillbirth Reporting  
(Summary Forms)



Neonatal Mortality Reporting  
(Summary Forms)




























*Photo credit: Mubeen Siddiqui,  
MCSP, India FP 2017*



## Selected Findings: Family Planning

# Half of countries report PFP; few report PAFP

- Usually a recent addition
- Not consistent definition or how/where recorded
- Few disaggregate by method
- Some countries collect but don't report

	Postpartum FP		Post-abortion FP	
	# Clients	Disaggregate by method	# Clients	Disaggregate by method
Afghanistan				
Bangladesh DGFP				
Bangladesh DGHS				
DR Congo				
Ethiopia		all methods		
Haiti				
India		IUD, TL (only)		
Kenya				
Liberia				
Madagascar				
Malawi				
Mali				
Mozambique		IUD vs other		
Nigeria	soon			
Pakistan DOH		IUD, implants (only)		
Pakistan PWD				
Rwanda		all methods		
Tanzania		jadelle, implanon, other		jadelle, implanon, other
Uganda				
Zambia				
<b>Total</b>	<b>9</b>		<b>2</b>	
		In register & summary form		
		In register only		

# *“New users” are confusing our counting:*

## Recent paper described terminology issues

- “New User” and “Acceptor” are often used terms but not clearly defined
- May refer to:
  - First-time user
  - New to provider
  - New to method
  - Lapsed user



# Paper proposed standard terms

<b>Adopter</b>		<b>Provider-Continuer</b>	<b>Provider-Changer</b>
Not using a modern contraceptive method at the time of her visit			
<b>First-time User</b>	<b>Lapsed User</b>		
Starts using modern contraception for the first time in her life	Has used a modern method at any time in the past, but is not currently using one at time of visit	Already using a modern method- returns to same provider for another FP service (resupply or switch methods)	Already using a modern method - new to the provider

Source: Dasgupta, A., Weinberger, M., Bellows, B., Brown, W. (2017). *“New Users” Are Confusing Our Counting: Reaching Consensus on How to Measure “Additional Users” of Family Planning*. Global Health: Science and Practice, 5(1):6-14

# Countries still use variation of new user/ acceptor

Next webinar  
will look at  
country  
definitions of  
new/old to see  
if countries  
effectively use  
proposed  
categories

	New	Old
<i>Afghanistan</i>	New case	Re-attendance
<i>Bangladesh DGFP</i>	New	Old
<i>Bangladesh DGHS</i>		
<i>DRC</i>	New acceptors	Renewals
<i>Ethiopia</i>	New acceptors	Repeat acceptors
<i>Haiti</i>	Acceptors	
<i>India</i>		
<i>Kenya</i>	New	Re-visit
<i>Liberia</i>	New acceptors	
<i>Madagascar</i>	New users	Regular users
<i>Malawi</i>	New clients	Restarting & Subsequent
<i>Mali</i>	New users	
<i>Mozambique</i>	New users	Continuers
<i>Nigeria</i>	New acceptors	
<i>Pakistan DOH</i>	New clients	Follow-up clients
<i>Pakistan PWD</i>	New case	Old case
<i>Rwanda</i>	New acceptors & New users	
<i>Tanzania</i>	New clients	Revisit
<i>Uganda</i>	New user	Revisit
<i>Zambia</i>	New acceptors	Continuing & Restart

Nearly half  
of countries  
report  
adolescents/  
youth  
receiving FP  
services

	10-19 yrs*	20-24 yrs	< 25 yrs
<i>Afghanistan</i>			
<i>Bangladesh DGFP</i>			
<i>Bangladesh DGHS</i>			
<i>DR Congo</i>	✓		
<i>Ethiopia</i>	✓	✓	
<i>Haiti</i>			✓
<i>India</i>			
<i>Kenya</i>	✓		
<i>Liberia</i>			
<i>Madagascar</i>	✓	✓	
<i>Malawi</i>	✓	✓	
<i>Mali</i>			
<i>Mozambique</i>			
<i>Nigeria</i>			
<i>Pakistan DOH</i>			
<i>Pakistan PWD</i>			
<i>Rwanda</i>	✓	✓	
<i>Tanzania</i>	✓	✓	
<i>Uganda</i>	✓	✓	
<i>Zambia</i>			
<b>Total</b>	<b>8</b>	<b>6</b>	<b>1</b>

\*Ethiopia, Madagascar, Tanzania separate 10-14 & 15-19; Rwanda only reports 15-19

# Many countries cannot calculate CYP using HMIS

	Method-specific information reported					CYP can be calculated
	Type of IUD	Type of Injectable	Type of Implant	# pills distributed	# condoms distributed	
Afghanistan				✓	✓	
Bangladesh DGFP						
Bangladesh DGHS						
DR Congo	✓	✓	✓	✓	✓	✓
Ethiopia						
Haiti		✓		✓	✓	
India				✓	✓	
Kenya						
Liberia		✓	✓	✓	✓	
Madagascar	✓	✓	✓	✓		
Malawi		✓	✓	✓	✓	
Mali				✓	✓	
Mozambique		✓	✓	✓	✓	
Nigeria				✓	✓	
Pakistan DOH	✓	✓				
Pakistan PWD				✓	✓	
Rwanda		✓	✓	✓	✓	
Tanzania				✓	✓	
Uganda			✓	✓	✓	
Zambia		✓		✓	✓	
<b>Total</b>	<b>3</b>	<b>9</b>	<b>7</b>	<b>15</b>	<b>14</b>	<b>1</b>





*Photo credit: Karen Kasmauski/MCSP. Kogi State, Nigeria 2018*

## Selected Findings: Child Health and Nutrition

What percentage of countries collect and report on malnutrition screening (weighed or MUAC) at community level?

43%  
(9/21)

Number of children with severe acute malnutrition (SAM) ( $MUAC < 110$  or  $< 3SD$  WFH)

---

Child screened (MUAC/weighed & measured)

---

Number of children seen

% SAM in children 0-5 yrs. of age

% of children screened for malnutrition

# How many ways is suspected childhood pneumonia recorded across forms and countries?

8

Variations	Examples
1. Suspected Pneumonia	Nigeria-c
2. Pneumonia	DRC-c&f, Liberia-f, Tanzania-f, Madagascar-c&f
3. ALRI	Mali-f
4. ARI	Haiti-c&f, Pakistan-c, Nepal-c, Afghanistan-c
5. Fast breathing	Ghana-c, Malawi-c
6. Fast breathing/pneumonia	Liberia-c, Uganda-c
7. Cough and fast breathing	Kenya-c
8. Cough and respiratory problems	Pakistan-c

c=community    f=facility    c&f=community and facility

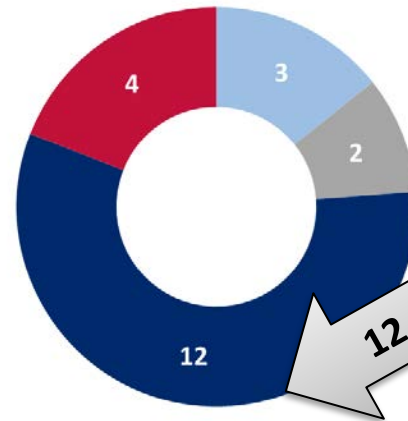
# Number of countries with pneumonia and diarrhea classification/cases

## Key

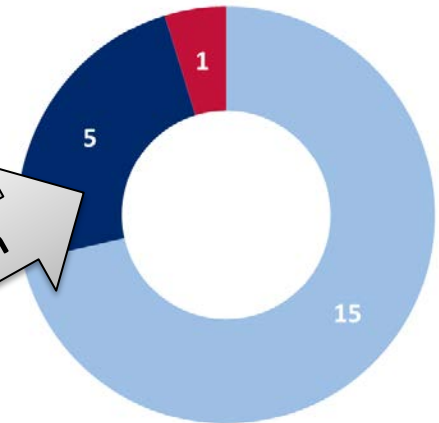
- In summary form only
- In register/child form only
- In both summary and register/child form
- Not collected

## Pneumonia classification/cases

### Community

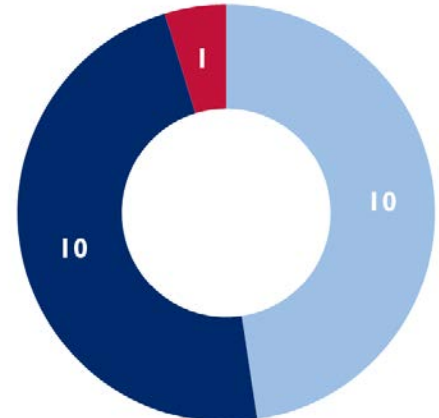
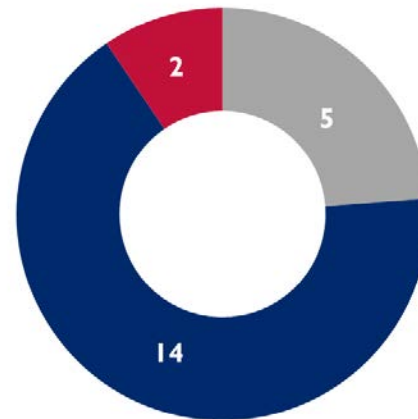


### Facility



12 vs 5 in both

## Diarrhea classification/cases





# Example: Non-specific columns in registers

Page : \_\_\_\_\_

Registre de Morbidité

Département : \_\_\_\_\_ Commune : \_\_\_\_\_ Institution : \_\_\_\_\_

Mois/Année : \_\_\_\_\_

N°	Date de la visite	No Dossier	Nom et Prénom	Date de naissance	Sexe	Adresse	Commune	Maladies		Cas		Evolution
								Impression Clinique	Diagnostic confirmé	N	A	
1	3/08/16	16890		10 Ans	M	Les Longs	SMH					
2		16886		60 Ans	F	Cité la Paix	SMH					
3		16892		43 Ans	F	Académie	SMH					
4		16894		2 Ans	F	Bas Constance	SMH	Fièvre AC		✓		
5		16895		1 Ans	F	Parade Sault	SMH	Sind Buffade		✓		
6		00901		18 Ans	F	Plataue	SMH	Fièvre AC		✓		
7		97602		1 ans 13 m	M	Rue Christophe	SMH	Fièvre AC		✓		
8		16882		24 Ans	M	Bas Constance	SMH	Fièvre AC		✓		
9												
10												
11												
12												
13												
14												
15	4/08/16	16897		50 Ans	F	Estion	SMH	Fièvre AC		✓		
16		16889		5 Ans	F	Silo	SMH	Fièvre AC		✓		
17		16962		4 Ans	M	Cité la Paix	SMH	Hématurie		✓		
18		16903		57 Ans	M	L'Alcalay	SMH	Flabulence		✓		
19		16900		3 Ans	F	Silo	SMH	Imp. San. infatig.		✓		
20		92958		42 Ans	F	Silo	SMH	Varicelle		✓		
21		16896		9 Ans	M	Rue des roches	SMH	Agres Physique		✓		
22												
23												
24												
25												

Mois de : \_\_\_\_\_

amaine \_\_\_\_\_

Sexe : \_\_\_\_\_

M F

Poids (kg)

Bande Shakir

T°

TDR

Signes et symptômes

80kg	✓	38.8	PFD	Fèvre +
48kg	✓	36.8°C	PFD	Fèvre +
58kg	✓	37.7°C	PFD	Fèvre + Toux
64kg	✓	38.1°C	PFD	Fèvre
65kg	✓	36.4°C	RAS	Fèvre
68kg	✓	37.5°C	RAS	Fèvre + Toux
72kg	✓	37.0°C	PFD	Fèvre + Toux
75kg	✓	37.0°C	PFD	Fèvre + Toux
78kg	✓	37.0°C	PFD	Fèvre + Toux
80kg	✓	37.0°C	PFD	Fèvre + Toux
82kg	✓	37.0°C	PFD	Fèvre + Toux
84kg	✓	37.0°C	PFD	Fèvre + Toux
86kg	✓	37.0°C	PFD	Fèvre + Toux
88kg	✓	37.0°C	PFD	Fèvre + Toux
90kg	✓	37.0°C	PFD	Fèvre + Toux
92kg	✓	37.0°C	PFD	Fèvre + Toux
94kg	✓	37.0°C	PFD	Fèvre + Toux
96kg	✓	37.0°C	PFD	Fèvre + Toux
98kg	✓	37.0°C	PFD	Fèvre + Toux
100kg	✓	37.0°C	PFD	Fèvre + Toux

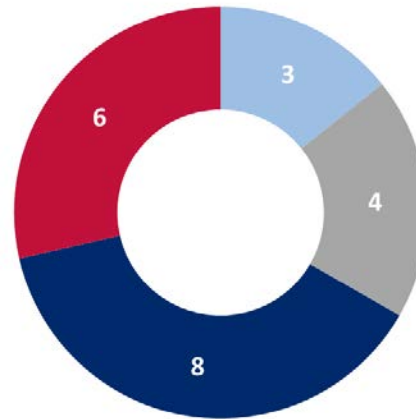
# Number of countries with pneumonia and diarrhea treatment/cases treated

## Key

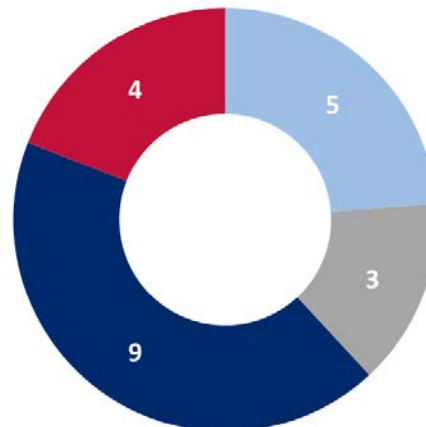
- In summary form only
- In register/child form only
- In both summary and register/child form
- Not collected

## Pneumonia treatment/cases treated

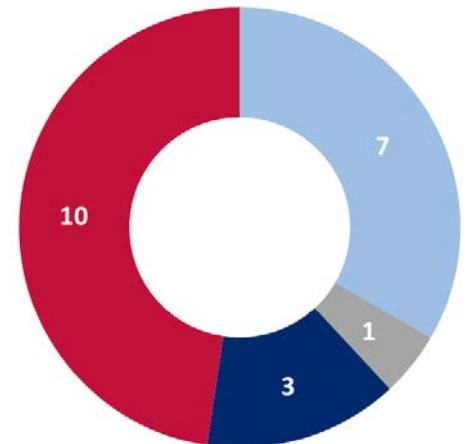
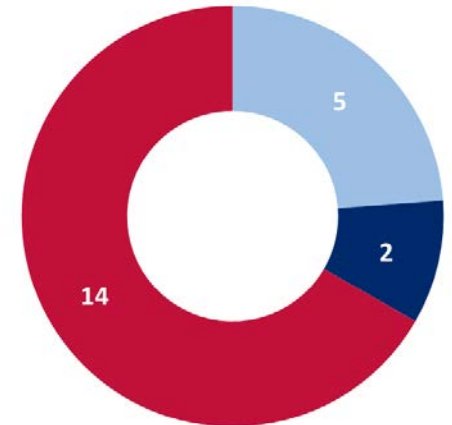
### Community



## Diarrhea treatment/cases treated



### Facility



# How do countries report/summarize diarrhea treatment at the facility level?

- 14% (3/21) disaggregate zinc treatment separately from ORS/diarrhea treatment
- 33% (7/21) report diarrhea “treated”; ORS and zinc treatment; or ORS/zinc treatment
- 52% (11/21) **do not report on any diarrhea treatment** in their facility summary forms

- Gap in data to ensure service delivery includes zinc
- Proxy of “cases seen” likely used for global treatment indicators



*Photo credit: Primary Health Centre, Nigeria, Abimbola Olayemi, MCSP, 2017*

## Summary



# Strengths and limitations of the reviews

## Strengths

- Reviewed large number of data elements many in countries across RMNCAH and nutrition technical areas
- Has and will continue to inform HMIS revisions at country level
- Has informed global level metrics initiatives, such as PPFP, ENAP metrics group, MONITOR, QED and Every Breath Counts

## Limitations

- Some data elements may be collected in other registers forms that were not reviewed
- Only included nationally endorsed forms, but these may not be used in every facility or in private sector
- Did not include any information on data quality or completeness

# Observations across reviews

- Many countries can report on selected, globally recommended and tested indicators
- Gaps do remain in data elements included and indicator definitions
- Ambiguous terminology and definitions of data elements across levels and forms
- Disconnect between registers (source data) and summary forms that can affect data quality
- Technical updates and revisions to countries' HMIS are on-going, with progress on inclusion of globally recommended indicators



*Photo credit: Karen Kasmauski/MCSP. Brickaville, Madagascar 2018*

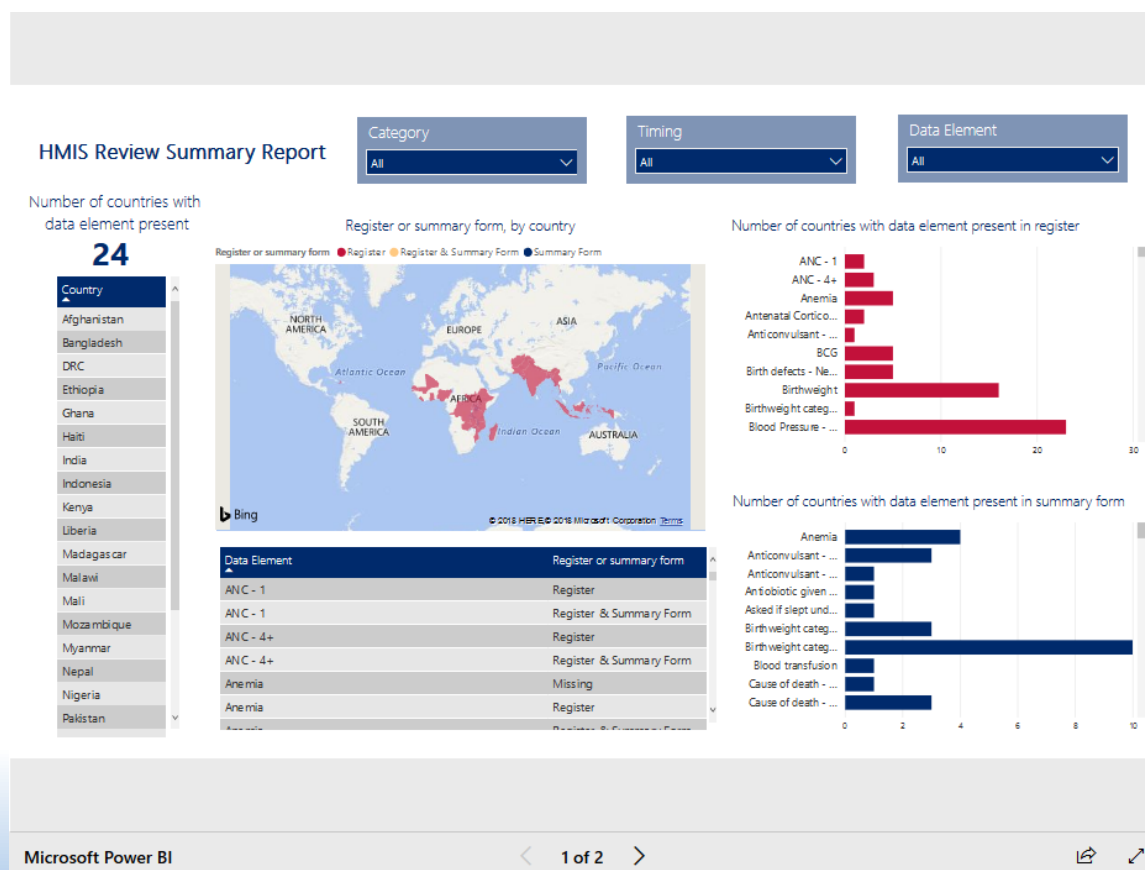
# The way forward

- Strategic investments are needed to ensure priority data elements and indicators are captured in national HMIS
- Global and country level consensus is needed about what priority data should be collected and available at each level of the HMIS for data use



*Photo credit: Kate Holt/MCSP. Nondwe Iganga, Uganda 2017*

For the full MNH report and access to the data and a dashboard, you can visit:  
<https://www.mcsprogram.org/resource/hmis-review/>  
*(other reports/data coming soon)*





# Acknowledgements

## MCSP Washington, DC

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## MCSP country staff who shared forms and answered questions

## Ministry of Health and other partners who shared forms and answered questions

# Upcoming webinars in this series

Maternal and Newborn Health and Family Planning  
Wednesday, September 26 | 9:00 a.m. EDT

Child Health and Nutrition  
Wednesday, October 3, 2018 | 9:00 a.m. EDT

For more information, please visit  
**[www.mcspprogram.org](http://www.mcspprogram.org)**

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