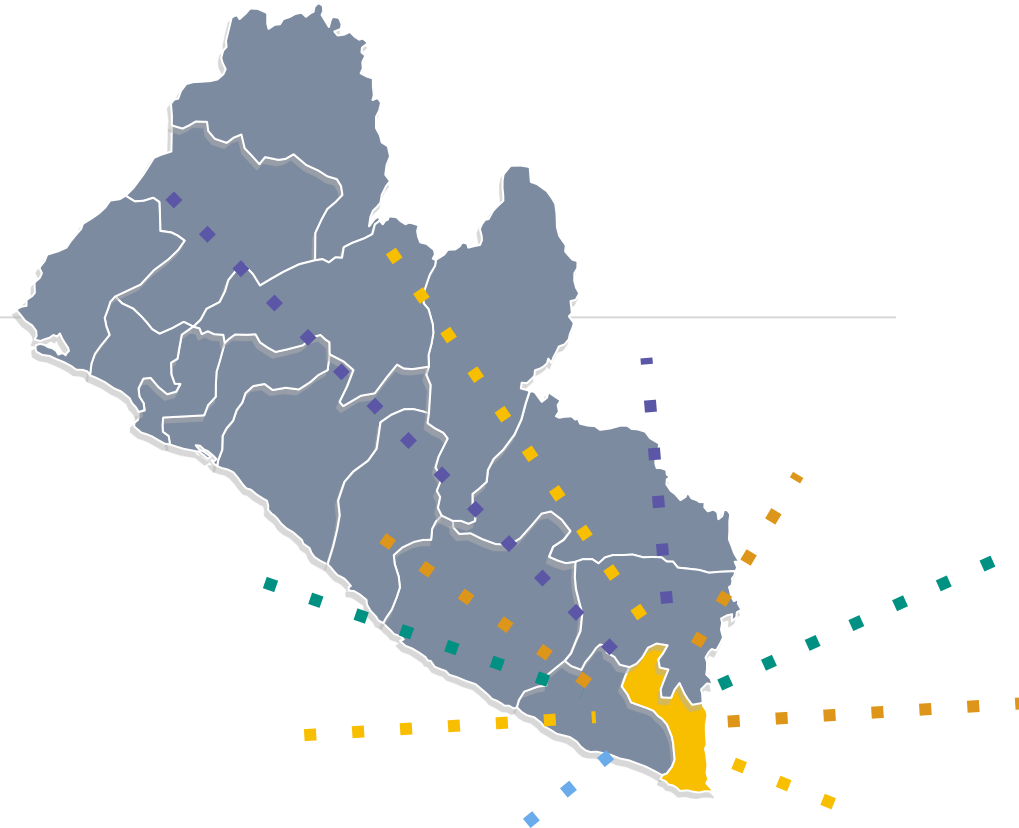
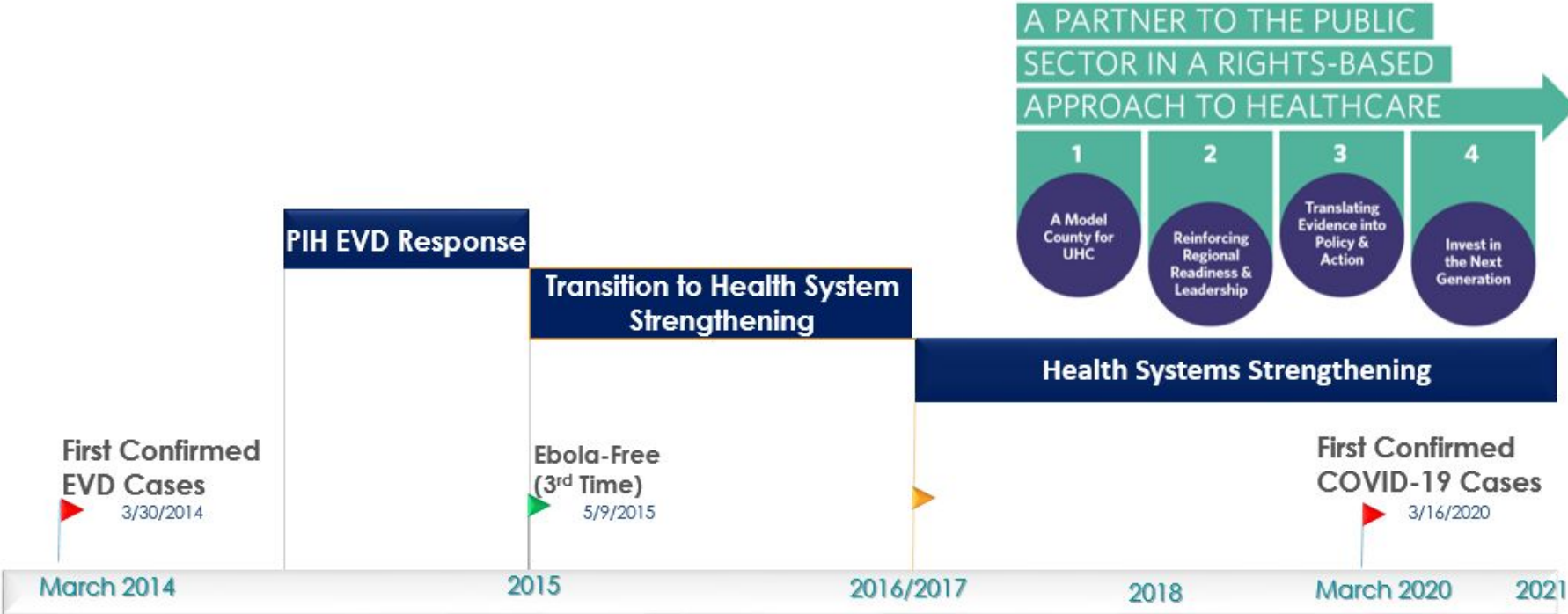




# Working in Partnership to Build a Model County for Universal Health Coverage



# COMMITTED TO SYSTEMS CHANGE



# BRINGING CARE TO THE REMOTEST...



By road

- Dry Season: 18 hours
- Rainy Season: Up to 1 week

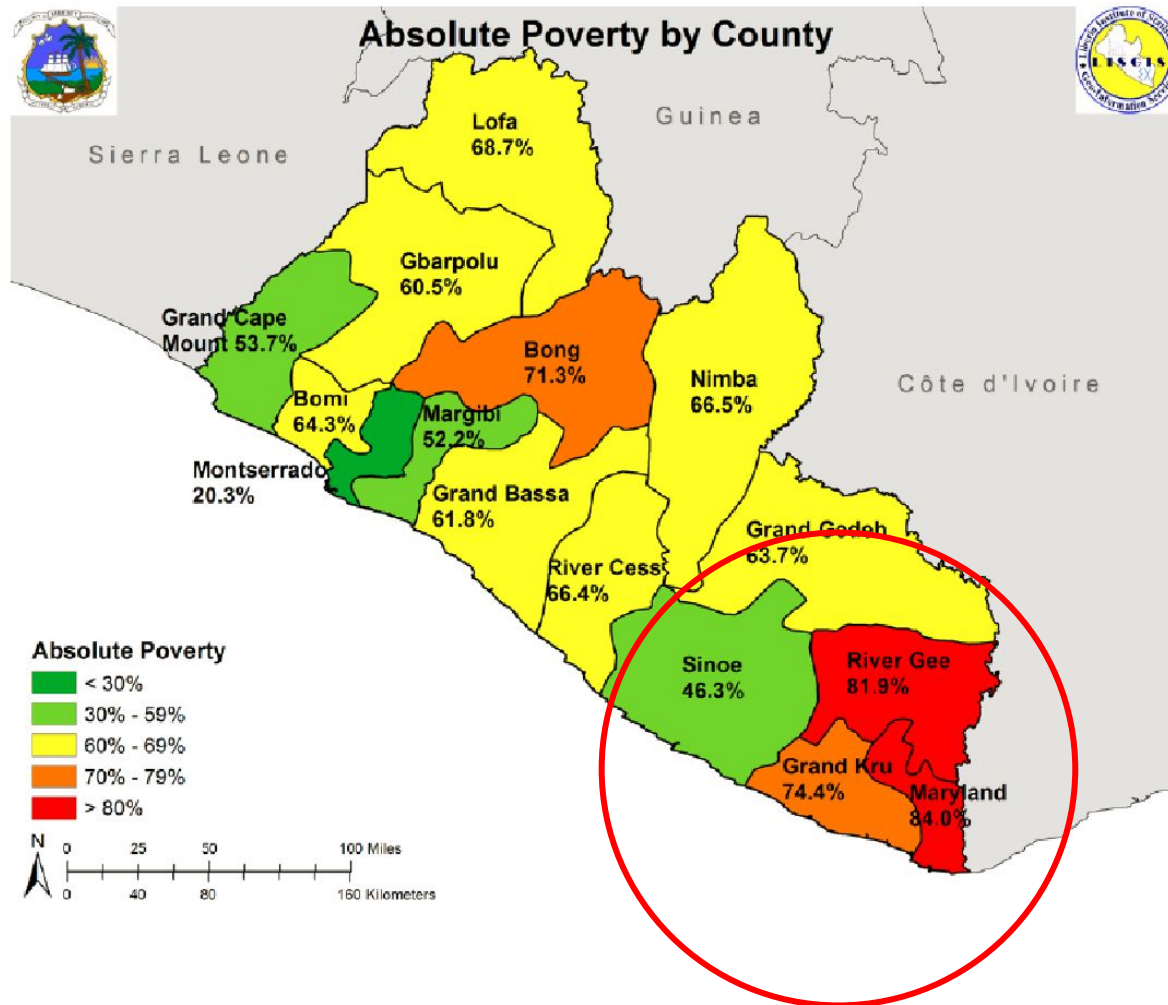
By plane

- 1.5 hours





# WITH THE HIGHEST RATES OF ABSOLUTE POVERTY



Source: LISGIS, 2016



# The Context of Where We Work

## A woman's lifetime risk of dying in pregnancy or childbirth

Malawi	:	Liberia	:	Sierra Leone
<b>1 in 32</b>	:	<b>1 in 28</b>	:	<b>1 in 17</b>
<hr/>				
United States <b>1 in 3,800</b>				

Literacy rate of **33%**  
among **women**  
(62% among men)

Source: CIA World Factbook, 2015

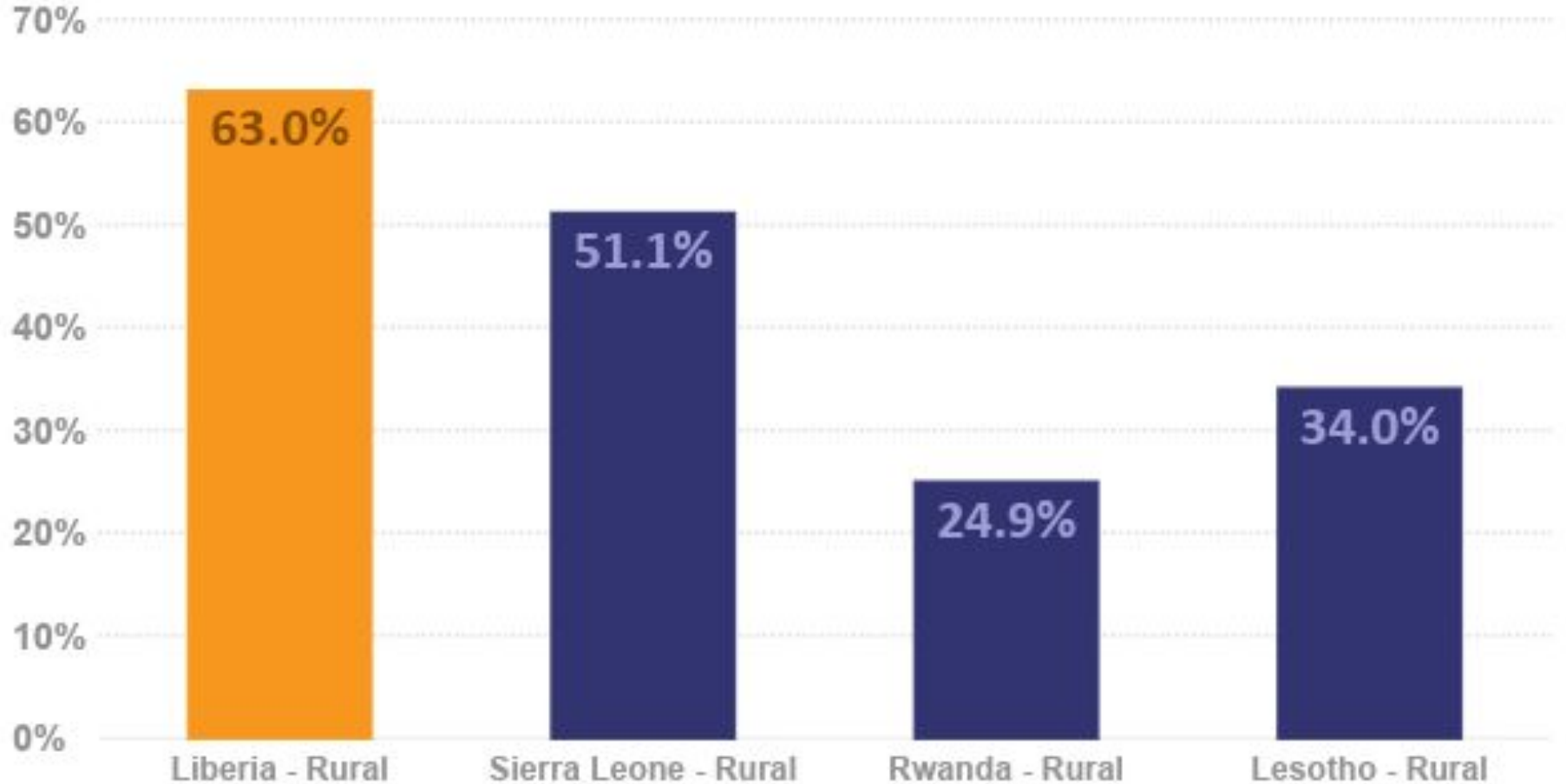
More than **1 in 20** children die  
before reaching the **age of five**

Source: WHO, 2017

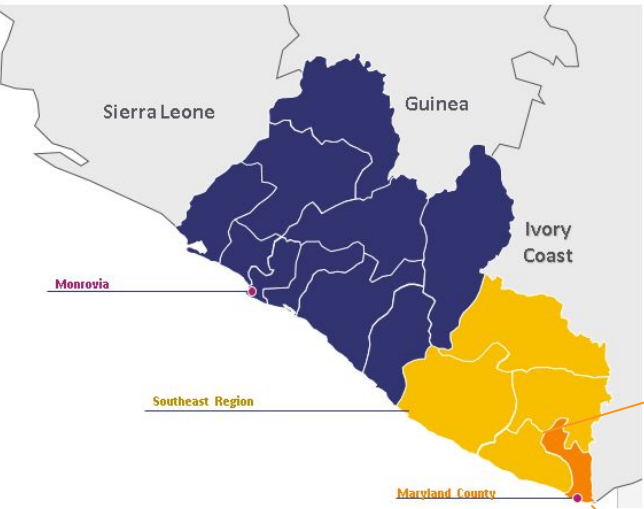
# Distance is major barrier to care in Liberia

Percentage women aged 15-49 citing distance to health facility as a major barrier in accessing healthcare

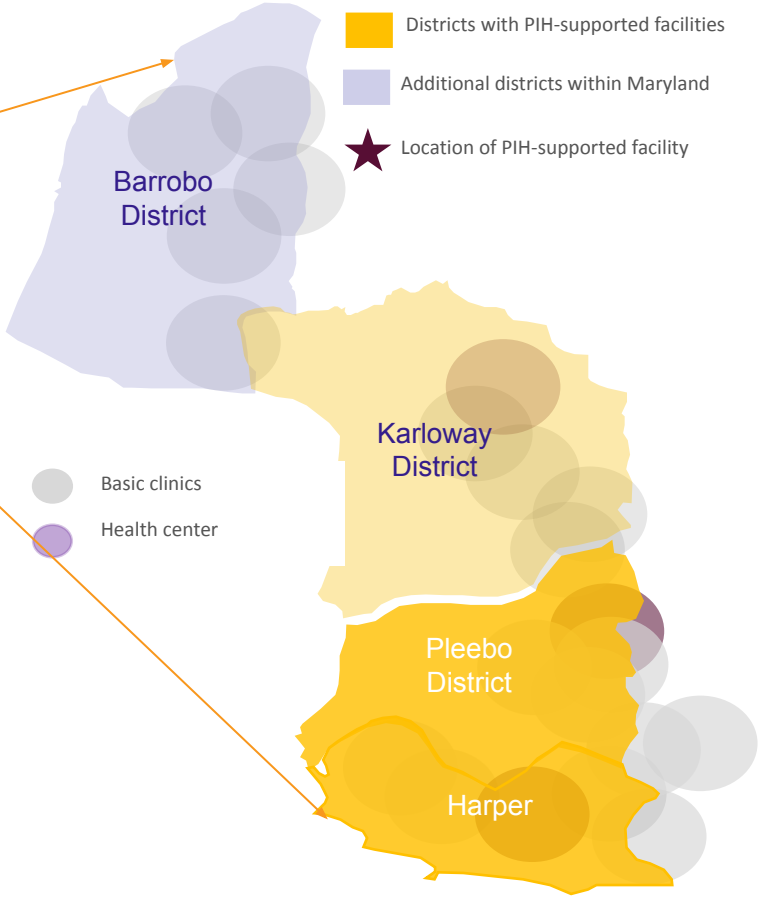
Select PIH countries



# MARYLAND COUNTY



- Districts with PIH-supported facilities
- Additional districts within Maryland
- Location of PIH-supported facility



- Basic clinics
- Health center



# Our Model

# Guided by National Strategies

## Vision Alignment



Republic of Liberia

### Investment Plan for Building a Resilient Health System, Liberia 2015 to 2021



Ministry of Health, Government of Liberia, Version 12 May 2015



REPUBLIC OF LIBERIA



REPUBLIC OF LIBERIA

PRO-POOR AGENDA FOR PROSPERITY AND DEVELOPMENT (PAPD)

### PRO-POOR AGENDA FOR PROSPERITY AND DEVELOPMENT (PAPD)



November 20, 2018

# Treating our patients as “our bosses”

## Our Approach



# Leveraging the 5 Ss to Strengthen Systems

## Our Approach



### STAFF:

Well-trained, qualified staff in sufficient quantity to respond to need



### SYSTEMS:

Leadership and information,

Turning Ss into \$\$\$ to achieve lasting results



### SPACE:

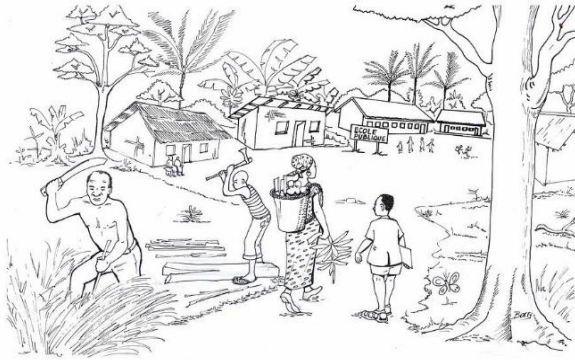
Safe, appropriate spaces with capacity to serve need



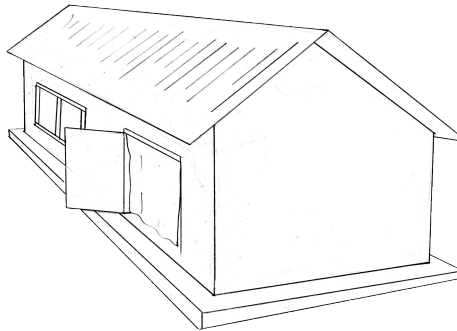
### SUPPORT:

Providing basic necessities and resources needed to ensure effective care

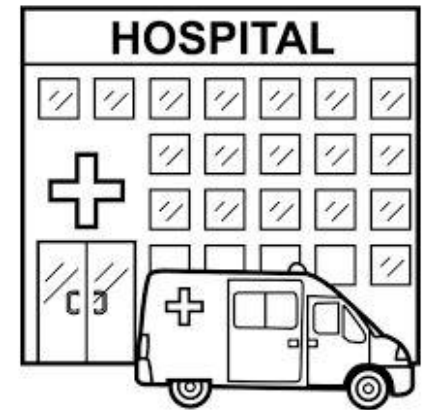
# Delivering comprehensive, integrated and “pro-poor” primary care services



Community based

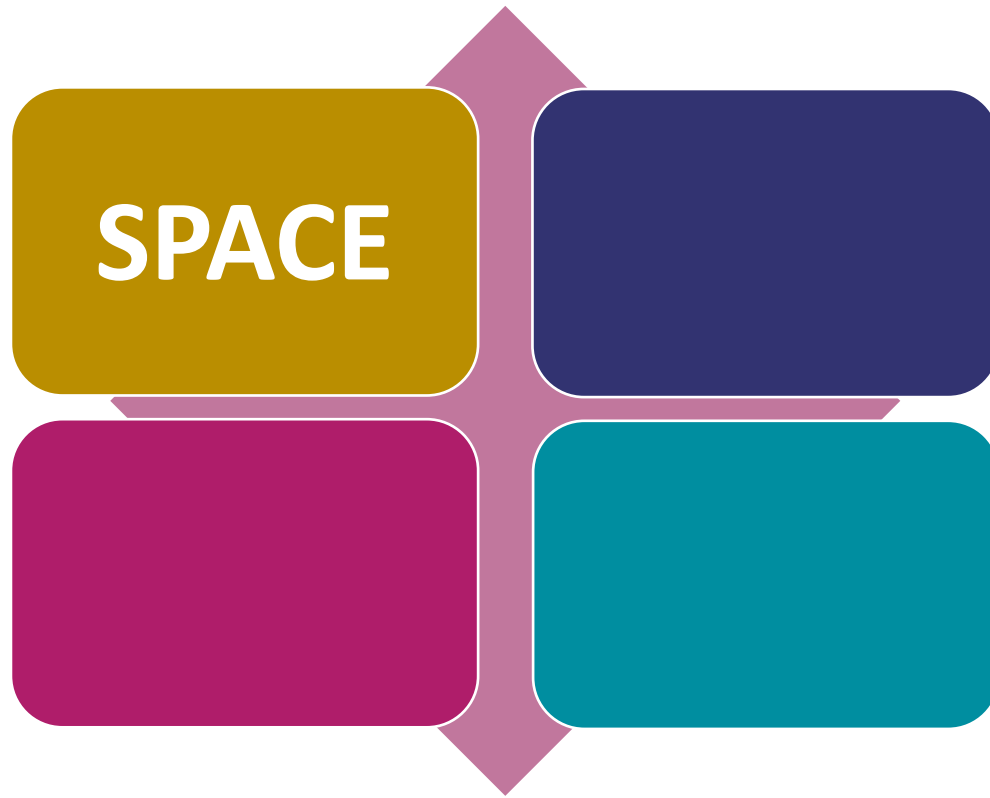


Health center enriched



Hospital linked





# Pleebo Health Center

Building Exteriors

Before



After



# JJ Dossen Memorial Hospital

## Emergency Room

Before



After



# JJ Dossen Memorial Hospital Scrub Areas

Before



After



# JJ Dossen Memorial Hospital

## Operating Theater

Before



After



# Pleebo Health Center

Maternal and Newborn Health Ward

Built a new  
**19 bed**

Maternity  
ward



H.E Dr. George Manneh Weah, President of Liberia assisted by Dr. Maxo Luma, PIH Liberia's executive director (2nd from left), Dr. Rebecca Cook, PIH Liberia's director of medical education/child health lead (middle), Dr. Francis Ketah, Liberia's chief medical officer, and Dr. Methodius George, Maryland County health officer cut ribbon for the opening of a maternal and child health ward at Pleebo in Maryland County. © PIH/Marian Roberts



# Clinical programs: MD Specialists

J.J. Dossen clinical departments

**Pediatrics:** 1 full time pediatrician on staff

**OB/GYN:** 1 full-time OB/GYN on staff

**Surgery:** 1 surgeon on staff

**Internal Medicine:** 1 physician on staff

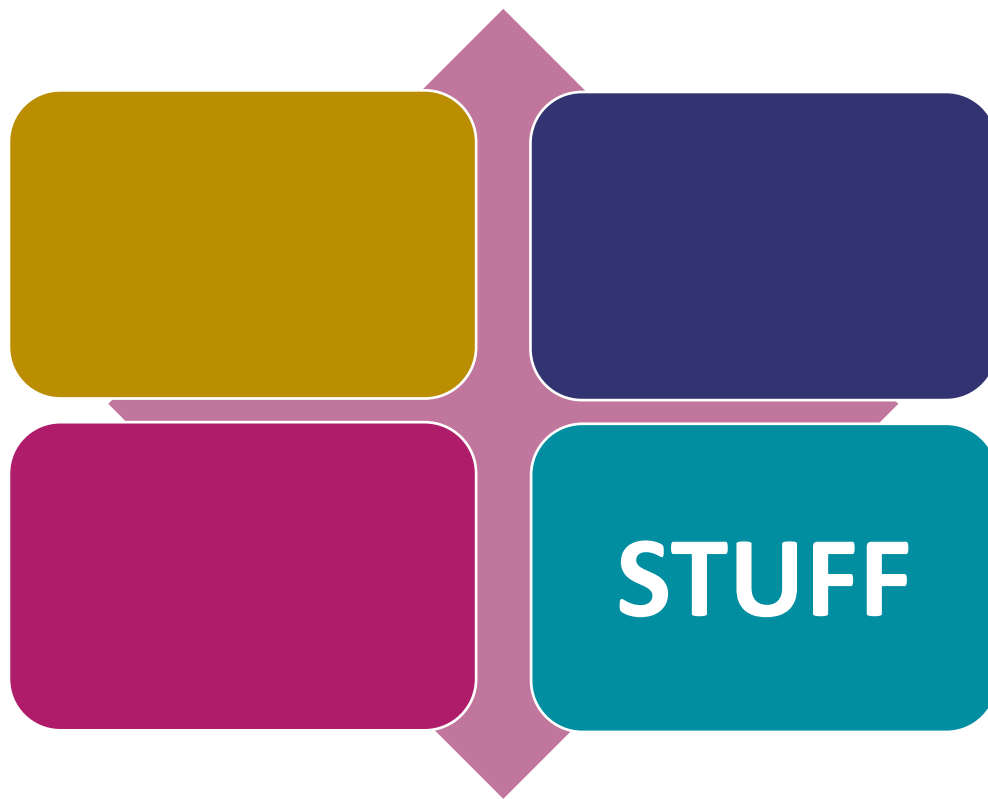
**Nursing:** experienced nurse mentors

## Staff

# Pipeline for workforce development

- Partnership TU Nursing School
  - Nurse education
  - Mentorship and on-the-job coaching
  - Preceptorship
  - Active participation in National Nursing and Midwifery Association, Liberia Nursing board and MOH Nursing Division
- LMDC Internship Program at JJD
- Family Medicine Program





Stuff

# Shipping: Road vs Ship

Doing whatever it takes....

By road

- Dry Season: 18 hours
- Rainy Season: 1+ week



Monrovi

By sea  
•2-3 days

By plane  
•1.5 hours

Maryland



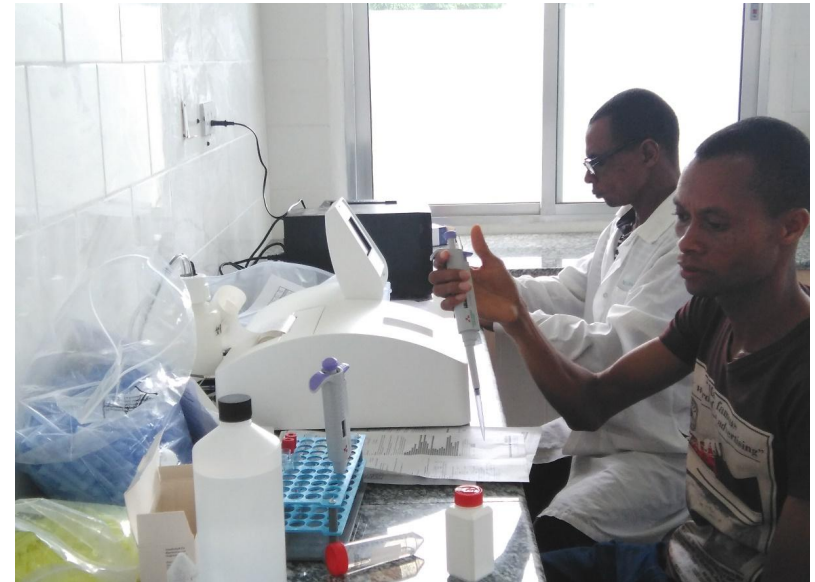
# JJ Dossen Memorial Hospital

Lab

Before



After



Space

# BMET Workshop Capacitation Across 5 Southeast Counties



# JJ Dossen Memorial Hospital

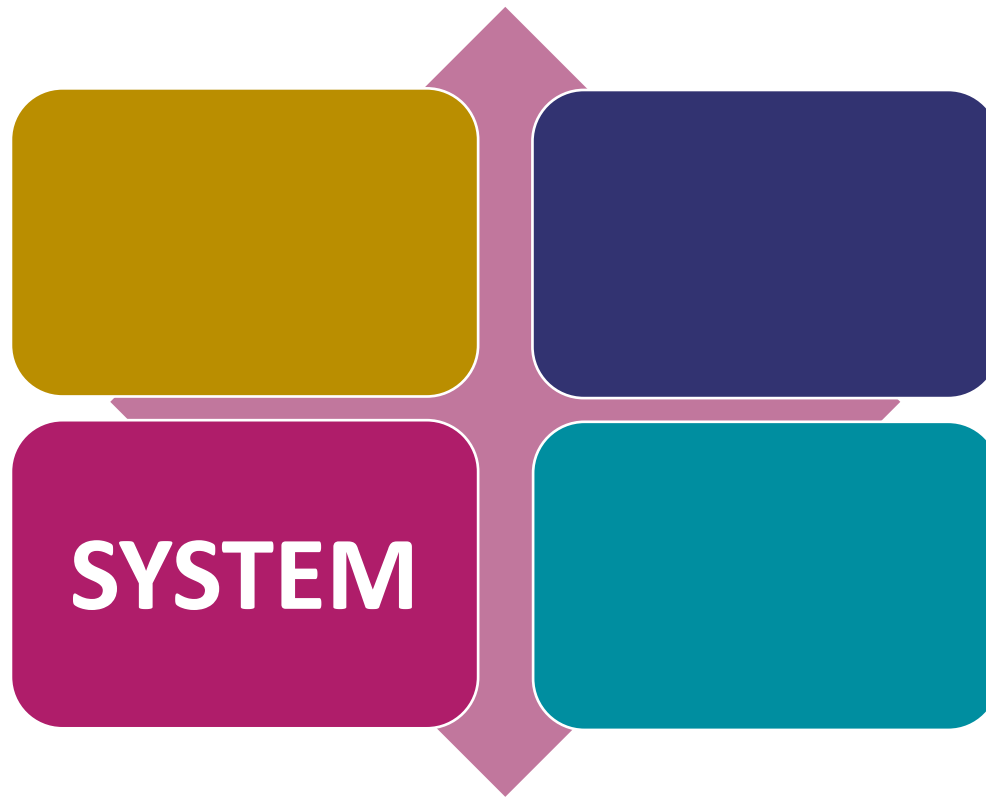
## NEW services

Radiology

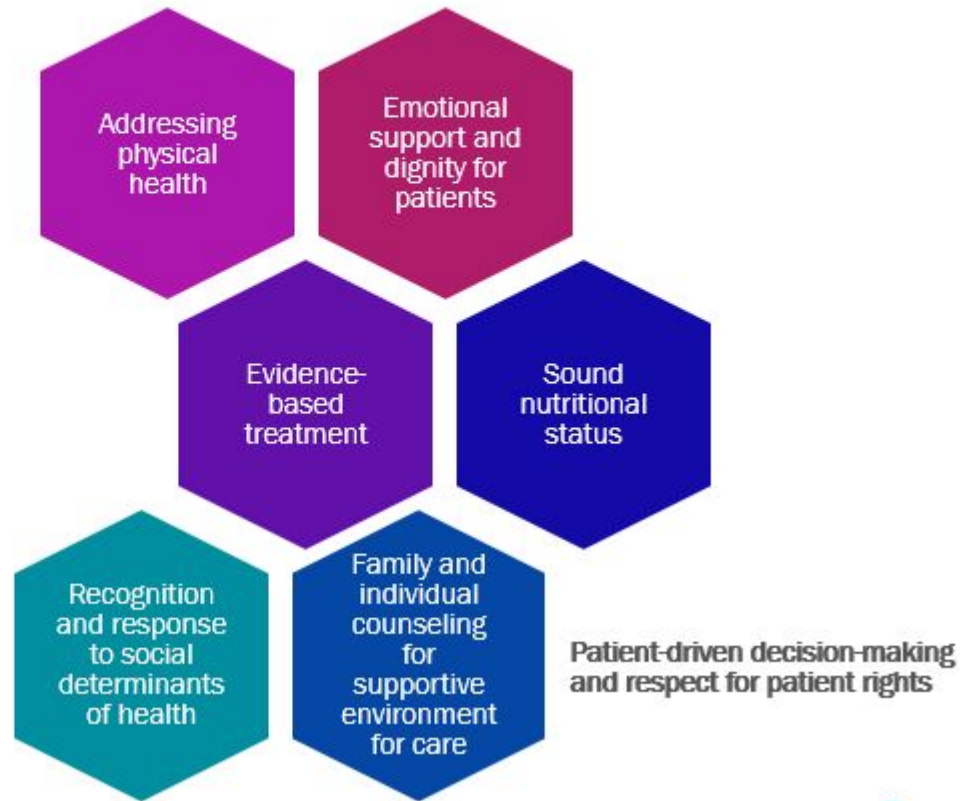


Oxygen Plant





## Patient-centered Approach for Care & Treatment



33

## Systems

# Nursing extending beyond the facility: Community Kangaroo Mother Care



# Pleebo Health Center

## Medical Records Department

Before



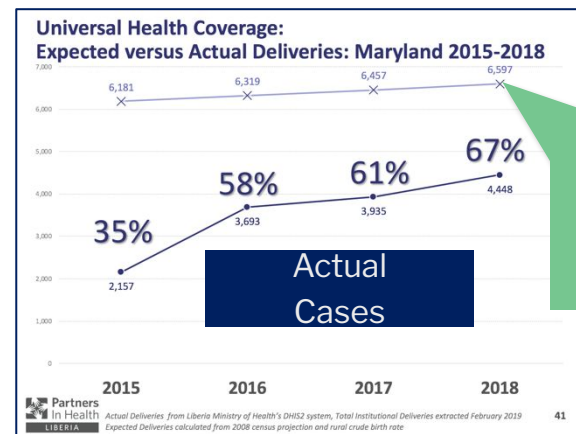
After



## Systems

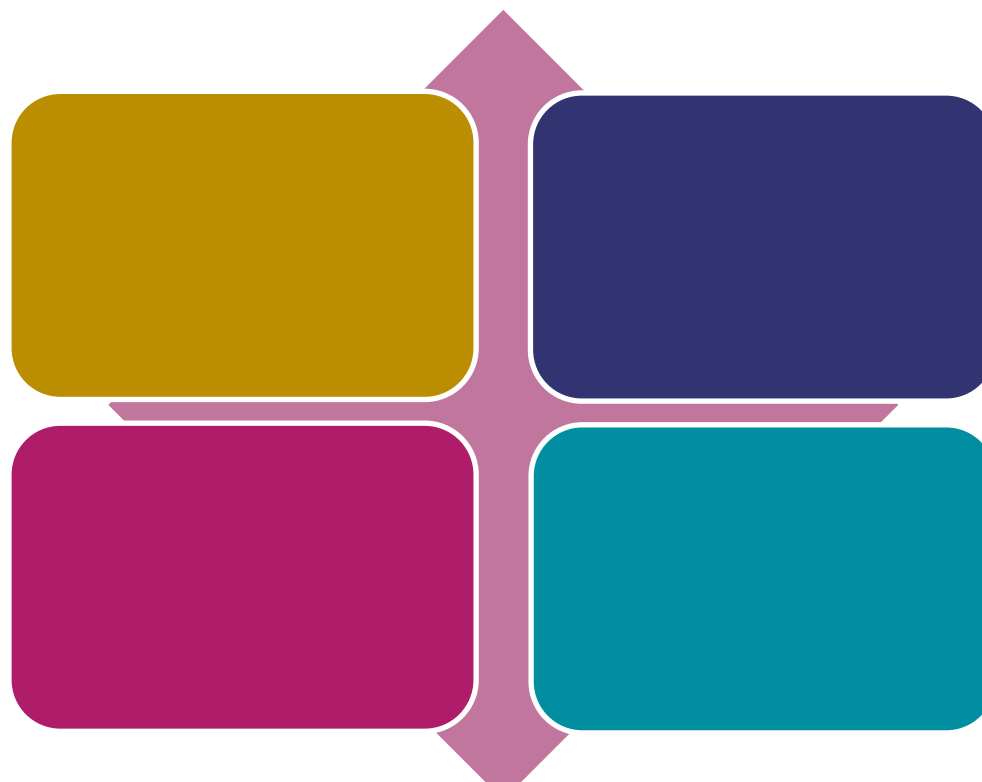
# Strategy for Universal Health Coverage

- Reframing our progress around Universal Health Coverage Targets
- Utilizing a PIH-built calculator that we've adapted for Liberia
- <https://www.pih.org/practitioner-resource/universal-health-coverage-monitoring-planning-tool>



Expected Cases UHC Target





"If I can make it, all of you can make it.  
It's not magic, it's because I took my  
treatment"



# EVALUATION IS PERSON-CENTERED AND RIGHTS BASED

## 1. Eligibility Criteria for Nutritional Assistance

Patient Category	Specifications
TB patients	<ul style="list-style-type: none"> <li>Received for the duration of 6 months of treatment</li> <li>BMI calculated after three months; continue to receive food kits for the final three months of treatment if BMI under 18. Re-evaluation continues every three months for extra-pulmonary and MDRTB patients</li> <li>Must be followed by a CHW and adhering to treatment<sup>1</sup></li> </ul>
MDR-TB patients	<ul style="list-style-type: none"> <li>Receive enhanced food kit for duration of treatment (currently 24 month regimen, soon to be changed to 9 month regimen): 25 kg rice; 10 kg beans; 10 tins of sardines; 2 L vegetable oil; 2 crates of eggs; 1 can of powdered milk.</li> <li>Based on evaluations made jointly by clinical team and SPO following treatment completion, basic food support package for DRTB patients may continue for 3 months.</li> <li>Must be followed by a CHW and adhering to treatment if not receiving treatment from Monrovia annex or J.J. Dossen ward</li> </ul>
Co-infected patients	<ul style="list-style-type: none"> <li>Considered foremost as TB patients</li> </ul>
ART patients	<ul style="list-style-type: none"> <li>Receive food kit for three months if low weight is observed by clinical supervisor and BMI is calculated to be below 18. The patient BMI will be rechecked after 3 months and continue food support if the BMI is less than 18.</li> <li>Additional eligibility determined in collaboration by clinical supervisor assigned CHW and Social Protection Officer in emergency cases. In this case, the SEA evaluation form will be used by SPO to determine eligibility.</li> <li>Must be followed by a CHW and adhering to treatment</li> </ul>
PMTCT patients	<ul style="list-style-type: none"> <li>First food kit is received upon positive test result conducted at first ANC visit; continue to receive every month up to delivery</li> <li>Must deliver at health facility, in which case receipt of food kit will continue until infant finishes NVP syrup and is tested at 6 weeks.</li> <li>Must be followed by a CHW and adhering to treatment</li> </ul>
PIH-L Supported HIV Peer Group Members <sup>2</sup>	<ul style="list-style-type: none"> <li>The third Sunday of every month, the group will receive 5 bags of rice to be distributed amongst its members during their meeting.</li> </ul>

+ T1D patients now!

## II. Standard Guidance on Food Types and Quantities

Type	Quantity (per month, per person)
Rice	One 25 kg per bag
Beans	5 kg
Sardines	5 tins
Vegetable Oil	2 L

## III. Determining what the patient needs



# EVALUATION IS PERSON-CENTERED AND RIGHTS BASED

## 1V. Requesting the Assistance

Requestor Info		Date: 05 30 2016			
Name:	Julia Rogers/Oretha Larnie	Department:	CHW		
E-mail:	<a href="mailto:jrogers@fhh.org">jrogers@fhh.org</a>				
Phone:	0888 281 442				
ITEM #	QTY	SPECIFICATION/PART NUMBER/DESCRIPTION	UNIT PRICE	AMOUNT	
<b>Plebeo Health Centre</b>					
1	49	Rice 25kg per bag		\$0.00	
2	5	Kidney Beans 50kg per bag		\$0.00	
3	2	Sugar 50 kg per bag		\$0.00	
4	98	Vegetable Oil		\$0.00	
<b>St. Francis Health Centre</b>					
5	52	Rice 25kg per bag		\$0.00	
6	5	Kidney Beans 50kg per bag		\$0.00	
7	2	Sugar 50 kg per bag		\$0.00	
8	104	Vegetable Oil		\$0.00	
<b>JJ Dossen Hospital</b>					
9	102	Rice 25kg per bag		\$0.00	
10	10	Kidney Beans 50kg per bag		\$0.00	
11	4	Sugar 50 kg per bag		\$0.00	
12	204	Vegetable Oil		\$0.00	
				Subtotal	\$0.00
Notes:				Other Charges, Discounts, etc.	
<b>TOTAL</b>					<b>\$0.00</b>

## V. Tracking Distribution and Expenses

JJD FOOD SUPPORT LISTING -April, 2020										
#	Sex	Age	ID	(TB, HIV, C-I, PMTCT)	Community	CHW	Recorded BMI (if applicable)	Support start date:	Intended support end date:	Comments
4	1	M	6	62345	DR-TB	Youkudi	Precious Toe	July-28-18		DR-TB
5	2	M	39	65940	TB	Waahodo Town	Samuel Allison	Aug-18-2018	May, 2019	Extra-Pulmonary/overstayed
6	3	F	26	70129	TB	Sanpedro	Sarah Merriam	Feb-7-19	December, 2019	Extra-Pulmonary/overstayed
7	4	F	52	39296	TB	Hoffman Station	Sarah Merriam	April-2-19		Extra-Pulmonary/overstayed
8	5	F	10ms	12544	TB	New Kru Town	James N. Allison	April-5-19		Extra-Pulmonary/overstayed
9	6	M	5	71417	TB	Kanioenken	Vera M. Nyemah	April-5-19		Extra-Pulmonary/overstayed
10	7	F	31	4437	TB	Maryland Avenue	James N. Allison	April-12-19		Extra-Pulmonary/overstayed
11	8	M	46	72661	TB	Water street	James N. Allison	April-17-19	October, 2019	Overstayed
12	9	M	2yrs	72840	TB	Barraken	Roseline Manston	April-24-19		Extra-Pulmonary/overstayed

# Our Progress

# Liberia Health Services Utilization - 2020, Q1 - 2020, Q4

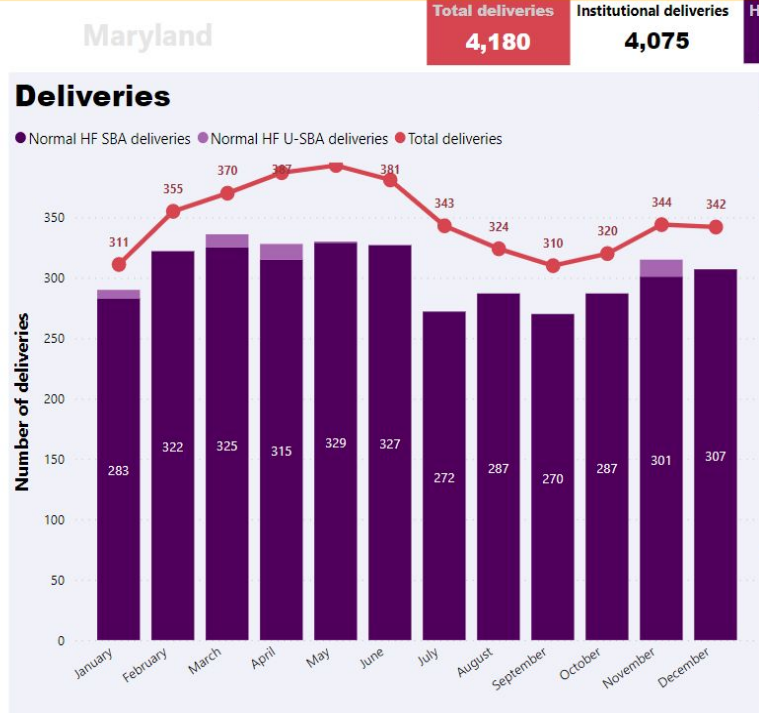


**County**

- Bomi
- Bong
- Gbarpolu
- Grand Bassa
- Grand Cape Mo...
- Grand Gedeh
- Grand Kru
- Lofa
- Margibi
- Maryland
- Montserrado
- Nimba
- River Gee
- Rivercess
- Sinoe

**Period**

- Select all
- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- 2021



<b>Total deliveries</b>	<b>Institutional deliveries</b>	<b>HF SBA deliveries</b>	<b>HF U-SBA deliveries</b>	<b>Home-based deliveries</b>
<b>4,180</b>	<b>4,075</b>	<b>3,625</b>	<b>46</b>	<b>105</b>

## Deliveries >> by county

County	Total deliveries	Institutional deliveries	HF SBA deliveries	HF U-SBA deliveries
Nimba	26,307	26,249	24,664	22
Montserrado	26,029	23,995	19,516	456
Bong	17,718	17,541	16,763	
Lofa	13,352	13,338	12,507	1
Grand Bassa	7,074	6,909	6,586	21
Grand Cape Mount	5,956	5,938	5,832	7
Margibi	6,508	6,239	5,603	4
Grand Gedeh	5,894	5,832	5,562	1
Sinoe	4,163	4,159	4,021	9
Maryland	4,180	4,075	3,625	46
River Gee	2,501	2,488	2,379	4
Rivercess	2,344	2,324	2,264	
Gbarpolu	2,467	2,277	2,154	1
Bomi	2,280	2,136	1,990	
Grand Kru	1,895	1,789	1,714	9
<b>Total</b>	<b>128,668</b>	<b>125,289</b>	<b>115,180</b>	<b>581</b>

Year	Assisted Deliveries	CS deliveries	Other Asst. deliv.	Deliveries (teens & adolescents)
2020	404	375	29	960
<b>Total</b>	<b>404</b>	<b>375</b>	<b>29</b>	<b>960</b>

Despite the pandemic, 97.5% of total deliveries in Maryland County were conducted at facilities.

# Liberia Health Services Utilization - 2020, Q1 - 2020, Q4



Period: 2020 | Facility: Multiple selecti... | 
 Total deliveries: **1,863** | 
 Institutional deliveries: **1,823** | 
 HF SBA deliveries: **1,421** | 
 HF U-SBA deliveries: **(Blank)** | 
 Home-based deliveries: **40**

## Deliveries >> Maryland facilities

● Normal HF SBA deliveries ● Normal HF U-SBA deliveries ● Home-based deliveries

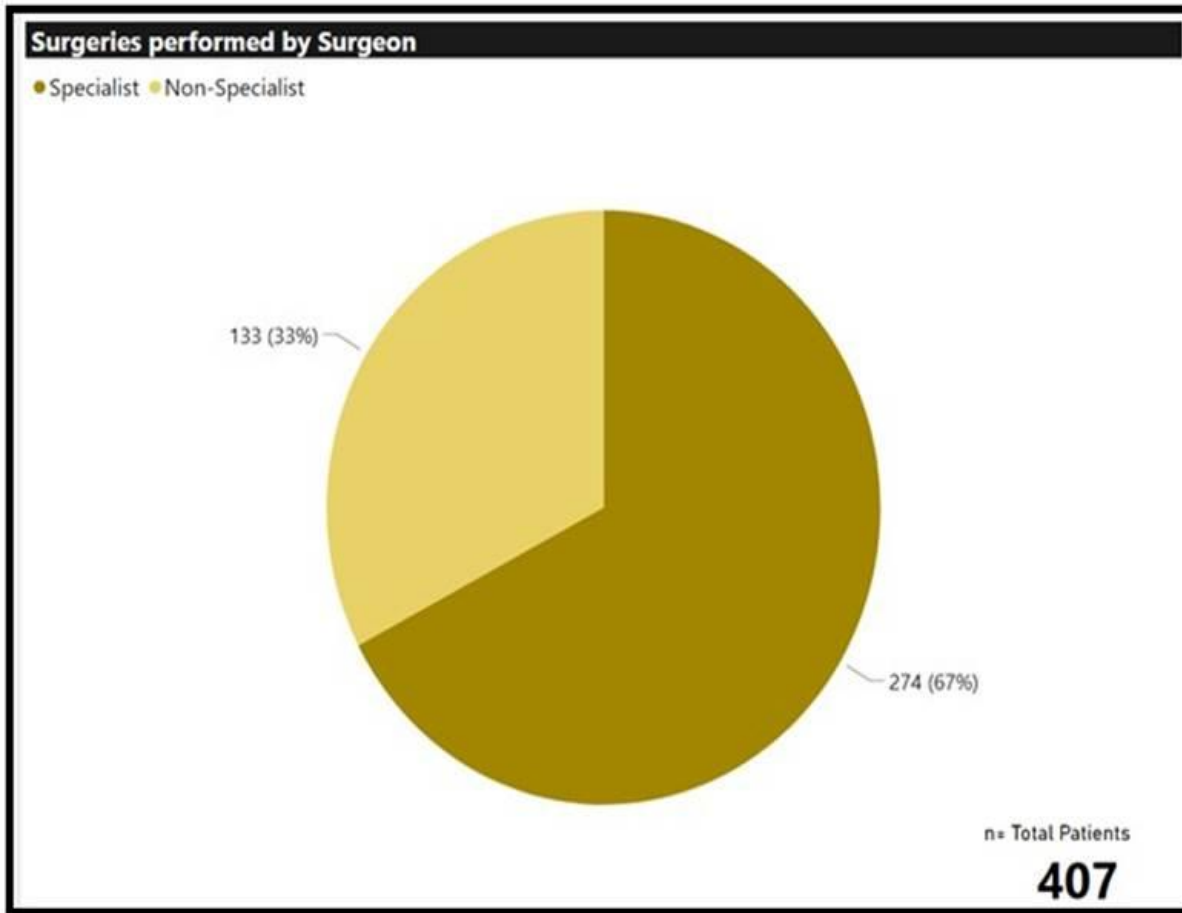


## Deliveries >> Maryland facilities

Facility	Total deliveries	Normal HF SBA deliveries	Normal HF U-SBA deliveries	Home-based deliveries
Pleebo Health Center	648	627		20
JJ Dossen Hospital	834	423		10
Edith H. Wallace Health Center	217	210		7
Boniken Clinic	164	161		3
<b>Total</b>	<b>1,863</b>	<b>1,421</b>		<b>40</b>

Source: <https://dhis2.moh.gov.lr>

98% of births from the 4 targeted catchment areas occurred at PIH supported SBA facilities. Approximately 50% of all institutional deliveries in the County were conducted at PIH supported facilities.



**407 patients were admitted for surgery at JJ Dossen Hospital in 2020**



# DR-TB | CASES REGISTERED ON TREATMENT

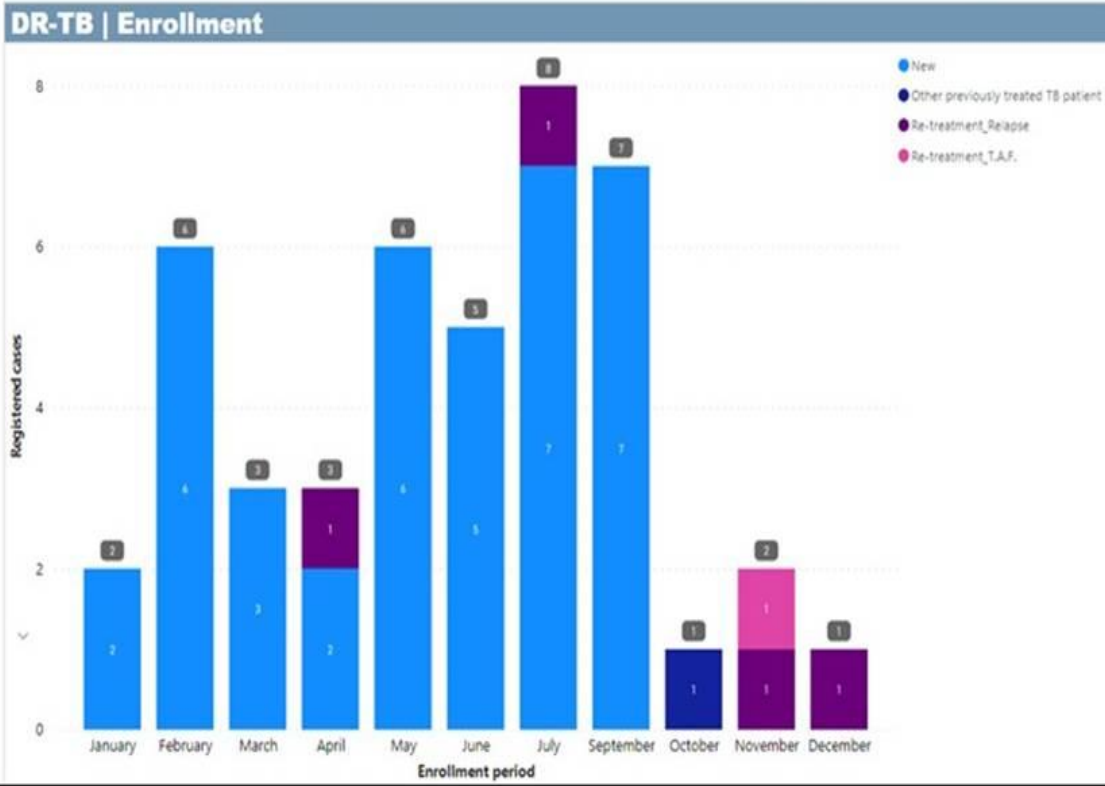


<b>Total:</b>	Registered <b>44</b>	New <b>38</b>	Re-treatment - LTU <b>(Blank)</b>	Re-treatment - Relapse <b>4</b>	Re-treatment After Failure <b>1</b>	Other Previously treated <b>1</b>	Prev. Treatment History Unknown <b>(Blank)</b>
---------------	-------------------------	------------------	--------------------------------------	------------------------------------	--	--------------------------------------	---

Source: PIH internal data (DR-TB Input\_Output log)

- Year enrolled
- Select all
  - (Blank)
  - 2009
  - 2010
  - 2011
  - 2012
  - 2013
  - 2014
  - 2015
  - 2016
  - 2017
  - 2018
  - 2019
  - 2020
  - 2021

- Facility
- Select all
  - JJD TB Ward
  - TB Annex



### DR-TB | Enrollment by County

County	Registered cases
Bomi	1
Bong	1
Goarpoiu	1
Grand Bassa	1
Non Liberian	1
Sinoe	1
Maryland	2
Nimba	3
Margibi	4
Montserrado	29
<b>Total</b>	<b>44</b>

Cases started on treatment  
**44**

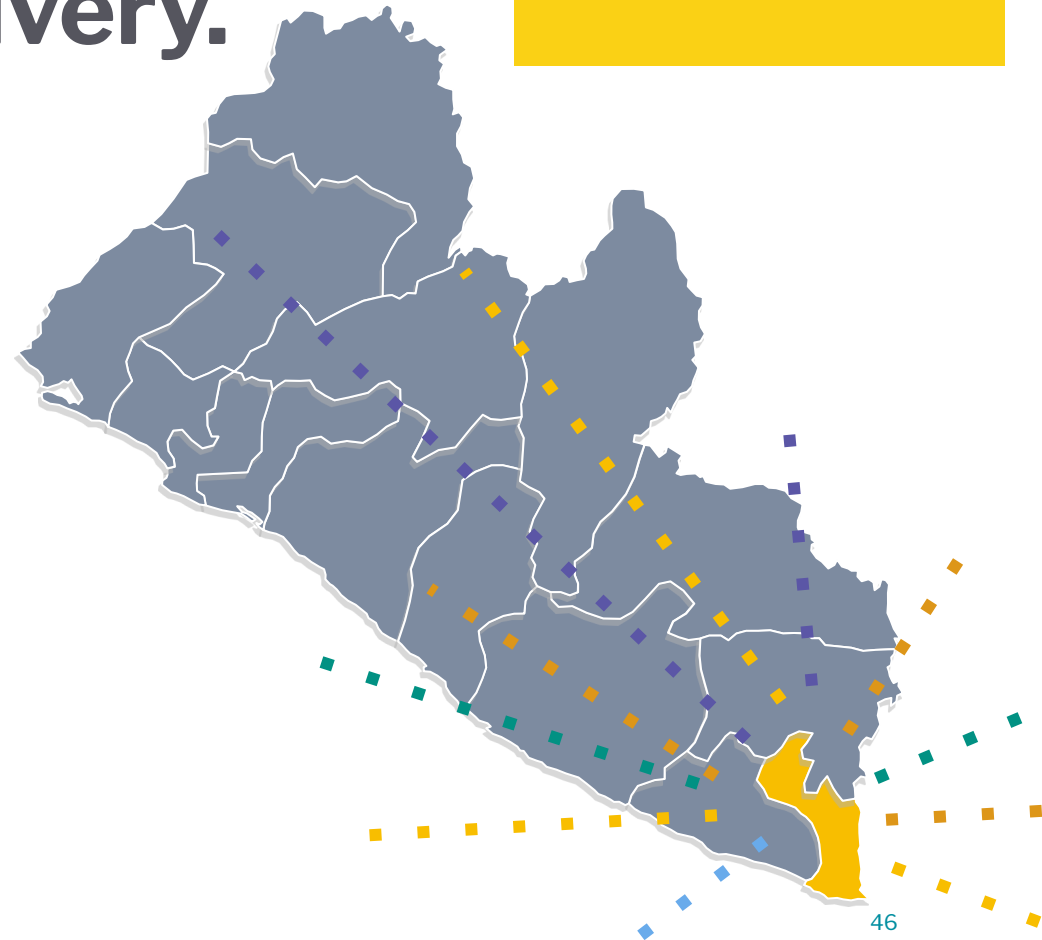
Total Re-treatment cases  
**6**

In 2020, there were 44 enrolled patients in the DR-TB program: 38 new and 6 re-admitted patients.



# Maryland can be a model county for innovative rural health service delivery.

With Maryland serving as a learning laboratory, lessons and experiences from working with the CHT can inform costing and national scale-up of the Maryland model and support the Government of Liberia as it works towards achieving universal health coverage (UHC).



# Thank you!

