

**SOCIAL INNOVATION in HEALTH INITIATIVE:  
Inter-Island Health Referral System  
Strengthening; One Facility, One Service  
Boat Project**

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# CONGRATULATIONS!

2017 Top 5 Social Innovations in Health Care



1

**Inter-island Health Referral System**  
Strengthening through one facility, one health service boat project

*Dr. Katerina Abiertas, Former MHO, Municipality of Zumarraga, Samar*

2

**Seal of Good Health Governance**

*Hon. Alfredo Coro, Municipal Mayor, Del Carmen, Surigao del Norte*

3

**National Telehealth System (NTS)**

*Dr. Raymond Sarmiento, Director, National Telehealth Center, UPM*

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**6.60 Kada Araw na Hulog Para sa Kalusugan ng Pamilya**

*Mr. Wilfred Hernandez, Chief Local Insurance Officer, PhilHealth, Puerto, Princesa, Palawan*

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**Kalingang Bata: Adolescent HIV Nursing for Community-Based Treatment, Care & Support**

*Mr. Jonathan Monis, Secretary-General, Alliance of Young Nurse Leaders & Advocates*

<http://socialinnovationinhealth.org/>



**World Health Organization**



**For research on diseases of poverty**  
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**SOCIAL INNOVATION IN HEALTH INITIATIVE**

ACCESS TO  
GOOD HEALTH  
CARE ~~SHOULDN'T~~  
DEPEND ON WHERE  
YOU LIVE

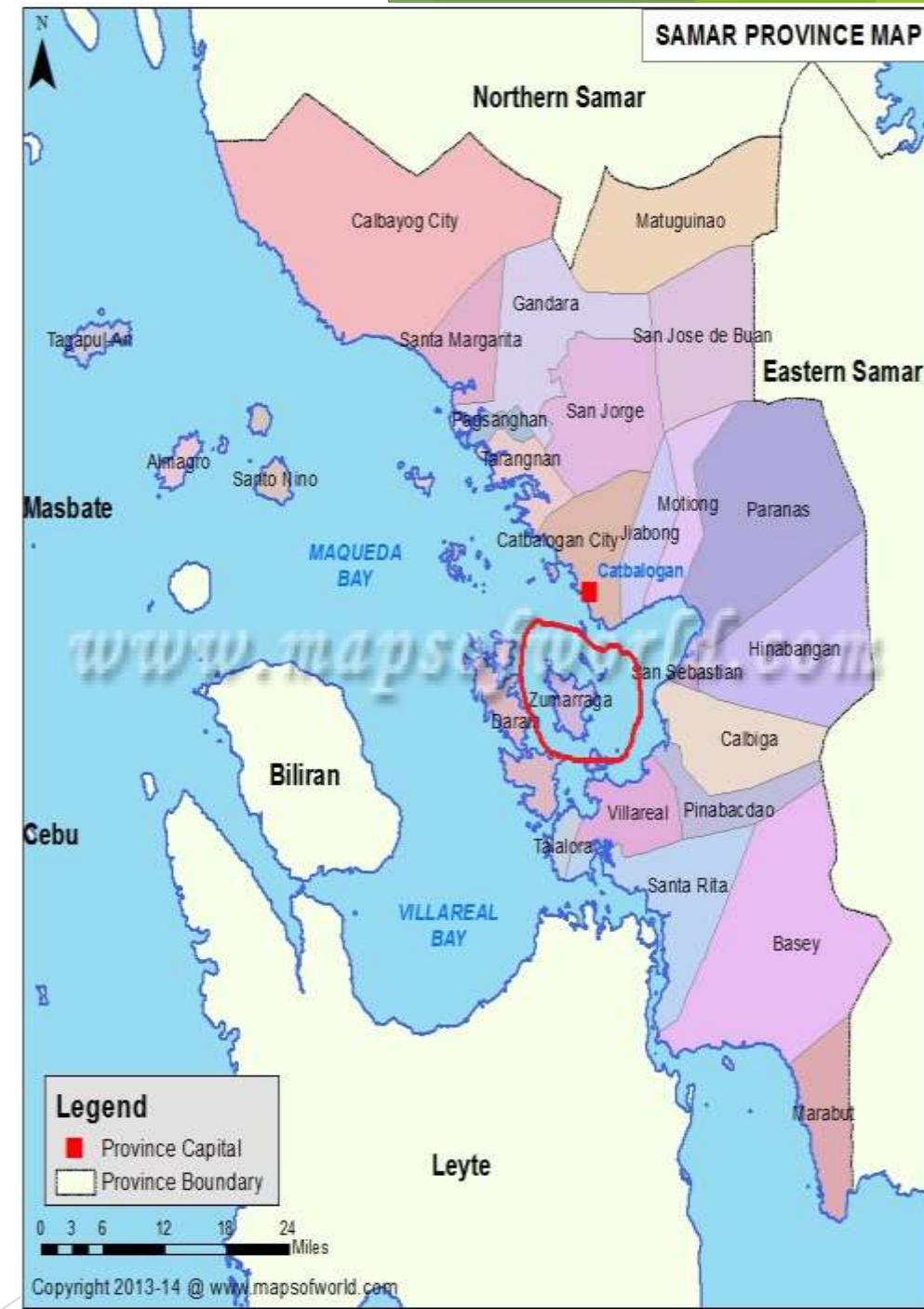


VICTORIA BECKHAM



► **GEOGRAPHICALLY ISOLATED & DISADVANTAGED AREA (GIDA)**

- Communities with marginalized population physically & socio-economically separated from the mainstream society such as island municipalities, upland communities, hard to reach areas & conflict-affected areas (DOH AO 2010-0036)



# FAST FACTS

- ✓ 5<sup>th</sup> Class Municipality;
- ✓ Fishing is the major source of income;
- ✓ Comprised of 25 coastal barangays;
- ✓ Total Land Area is 38.55 sq. km.
- ✓ Total Population is 17,890 (2016)
- ✓ Population Density is 464/ sq.m.



# FAST FACTS

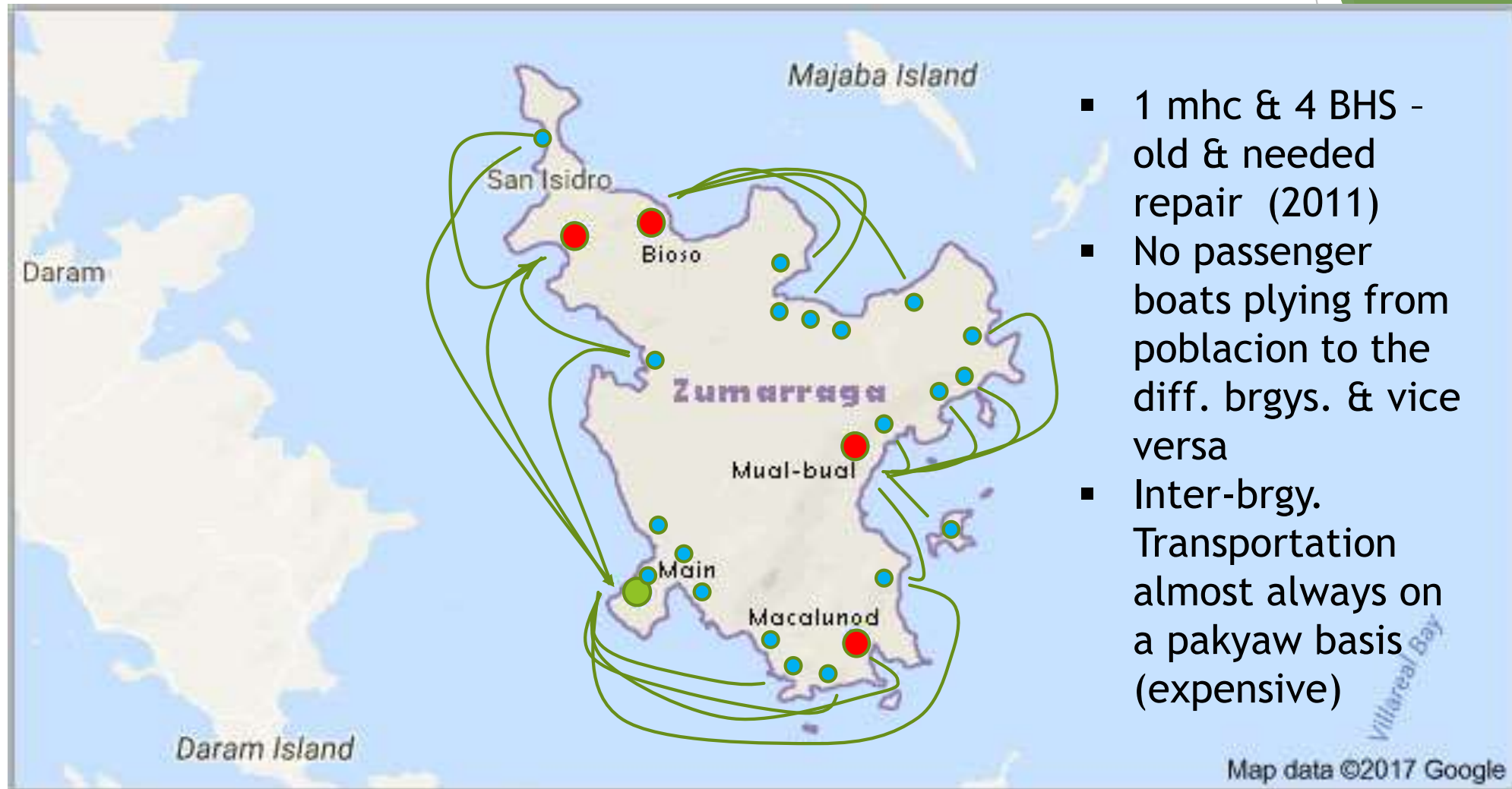


# UNIQUE GIDA CHALLENGES

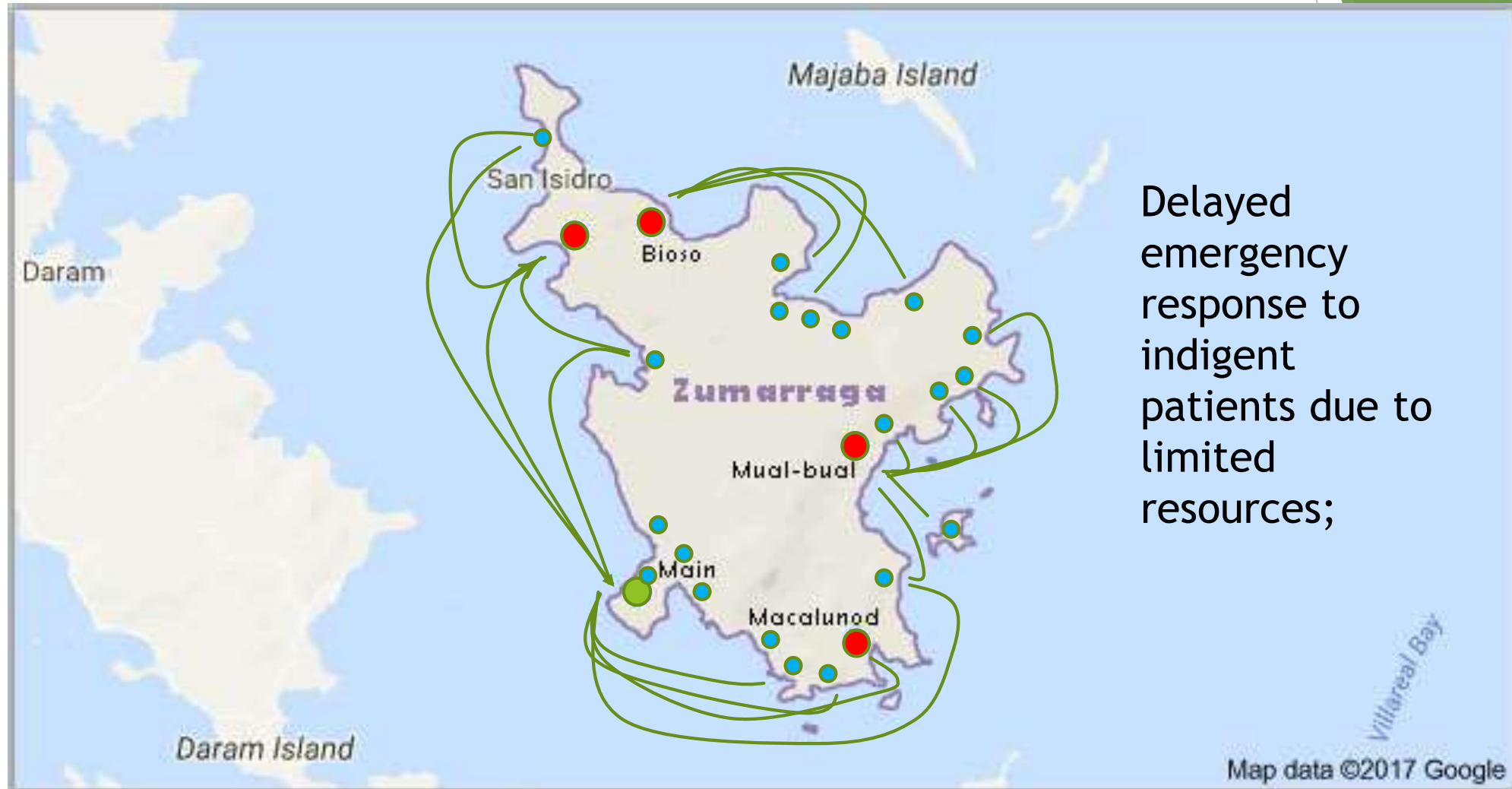




# UNIQUE GIDA CHALLENGES



# UNIQUE GIDA CHALLENGES



ROOT CAUSES	DETAILS	SEVERITY
<b>LOW RESOURCES</b>  (No equipped birthing facility)	Rural Health Unit and Barangay Health Stations are not equipped to function as lying-in facilities	1
	Lack of equipment	1
<b>(Lack of adequate human resource)</b>	Only 1 RHM resides in her catchment barangay, the other 4 live in Catbalogan City and is out of Zumarraga during Friday nights and weekends	1
	RHMs not confident to handle deliveries due to lack of recent skills training on LSS and BEMONC	1
	4 out of 5 barangays only get to be visited by RHM once a month due to limited Travelling allowance	2
	1 Rural Health Midwife (RHM) is serving 5 catchment barangays	2
<b>POLICY SUPPORT</b>	Lack of Legislation on safe motherhood that promotes FBDs and SBAs	1
<b>ACCESS</b>	No money for gasoline/diesel or for motorboat hire to bring patient to facility/hospital	1
	No identified vehicle for transport in every barangay	1
	No sea ambulance for referral of patients to facilities/hospitals	1
	Difficulty in transporting or referring patients during Habagat months/typhoons	3
	No circumferential road in the island	3
	Access to majority of barangays is only thru the sea	3
<b>CULTURE/BEHAVIOR</b>	Pregnant women prefer hilots because they offer more services like cooking their food, taking care of their children while they are recuperating	2
	Pregnant women prefer hilots because they had attended deliveries of their previous babies, their mothers, grandmothers, great grandmothers and nothing happened to them	2
	Pregnant women prefer giving births at home because it is more convenient for them especially if they need to travel by sea to the birthing facility	2

# PRINCIPAL ISSUES TO FOCUS ON BASED ON PROBLEM TREE ANALYSIS

- Lack of birthing facilities and equipment
- No available skilled health professional to handle deliveries 24/7
- Behavior change from home based deliveries to facility based deliveries (both for staff & the community)
- No local ordinance on safe motherhood
- Lack of support system in the barangay to facilitate FBDs and SBA

## Possible options/alternatives using FAST/FIRST ANALYSES

FAST	Option 1	Option 2	Option 3	Option 4
<b>OPTION ALTERNATIVE</b>	Health Facility Enhancement Program (New RHU) Target Dec 2011, Done - Dec. 2017	Renovation of 1 room to be a lying-in facility July – Aug. 2011	Ordinance on Safe Motherhood (prohibiting TBAs) October 2013	Application for MCP Accreditation September 2011
<b>Feasibility</b>	5	5	5	1
<b>Acceptability</b>	5	5	4	5
<b>Suitability</b>	5	4	5	5
<b>Timeliness</b>	5	5	5	3
<b>TOTAL</b>	<b>20</b>	<b>19</b>	<b>19</b>	<b>14</b>

## Possible options/alternatives using FAST/FIRST ANALYSES

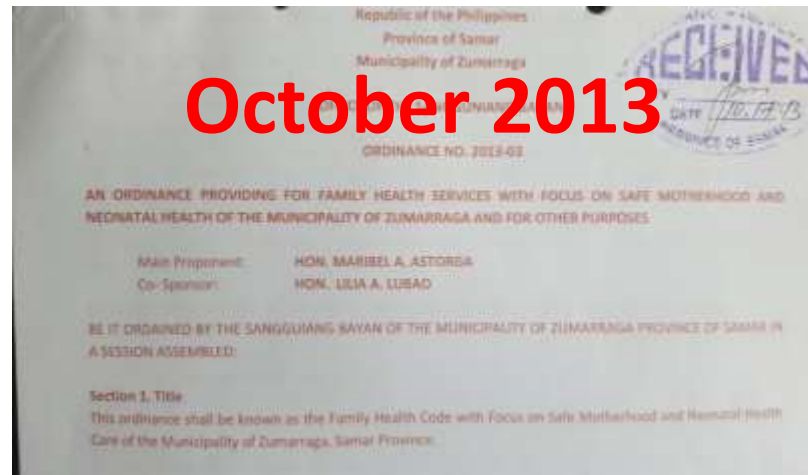
FIRST	Option 5	Option 6	Option 7	Option 8
<b>OPTION/ALTERNATIVE</b>	BEMONC training for 1 MHO, 1 PHN and 1 RHM <b>2013 - 2014</b>	LSS Training for 4 RHMs <b>BEMONC FOR RHMS</b>	Organization of Community Health Team <b>2012</b>	Procurement of Sea Ambulance <b>Nov. 5, 2012</b>
<b>Feasibility</b>	4	4	5	4
<b>Immediacy (Urgency)</b>	5	5	5	5
<b>Responsiveness</b>	5	5	5	5
<b>Suitability</b>	5	5	5	5
<b>Technical Soundness</b>	5	5	5	5
<b>TOTAL</b>	<b>24</b>	<b>24</b>	<b>25</b>	<b>24</b>

## Possible options/alternatives using FAST/FIRST ANALYSES

FAST	Option 9	Option 10	Option 11	Option 12
<b>OPTION/ALTERNATIVE</b>	Behavior Change Communication <b>For BHWs/Community 2011 -2014</b> <b>For Staff 2011-2013</b>	Establishment of 4 BHS as lying in facilities <b>BHS San Isidro – 2015</b> <b>BHS Mualbual &amp; BHS Bioso – with HFEP but no BF</b>	Establishment of Waiting Home beside RHU's lying in to cater to residents from far barangays <b>Not needed</b>	Staff augmentation (hiring of additional RHM's) <b>HRH from DOH &amp; JO midwife 2012</b>
<b>Feasibility</b>	5	2	4	1
<b>Acceptability</b>	5	5	4	5
<b>Suitability</b>	5	5	5	3
<b>Timeliness</b>	5	5	5	5
<b>TOTAL</b>	<b>20</b>	<b>17</b>	<b>18</b>	<b>14</b>



**OPTIONS 5&6**



**OPTION 4**

**OPTION 3**





**OPTION 9**

**For Staff 2011-2013**



**OPTION 9**

**For BHWs/Community 2011 -2015**



**OPTION 10**

**BHS San Isidro – 2015**



**OPTION 12**



# OPTION 1



Health Facility Enhancement  
Program (HFEP)

(New RHU-Infirmery Set-up)

Target Dec 2011

Done -Dec. 2017



# Inter-Island Health Referral System Strengthening; One Facility, One Service Boat Project

MUNICIPALITY OF ZUMARRAGA, SAMAR



CS FOUNDATION  
Christian Service - Less for self, enough for all



# INNOVATIONS

## Partnership with LUKE FOUNDATION & CS FOUNDATION

- 4 BOATS WERE DONATED, 1 for each bhs (2014 - 1, March 2015 - 3)
- LGU COUNTERPART: SALARY OF BOATMEN, MAINTENANCE OF BOAT & FUEL
- Low-cost, fuel efficient, cost-effective & culturally acceptable service boats
- Built by Boat Builders from Basey
  - In 2014





# INNOVATIONS



Partnership with Japan-Philippine Friendship Association

# INNOVATIONS

## REGULAR SERVICES DELIVERED VIA THE BOATS

- a. Pre-natal, natal & post-natal check-ups
- b. Health and nutrition education
- c. Expanded Program for Immunization or Vaccination
- d. As ambulance for patients who needs complex health or medical services
- e. As transport vehicle of pregnant from their barangay to the lying-in facility at RHU
- f. As service boat of rural health midwives to and from each barangay health stations & catchment barangays.

# THE RESULTS

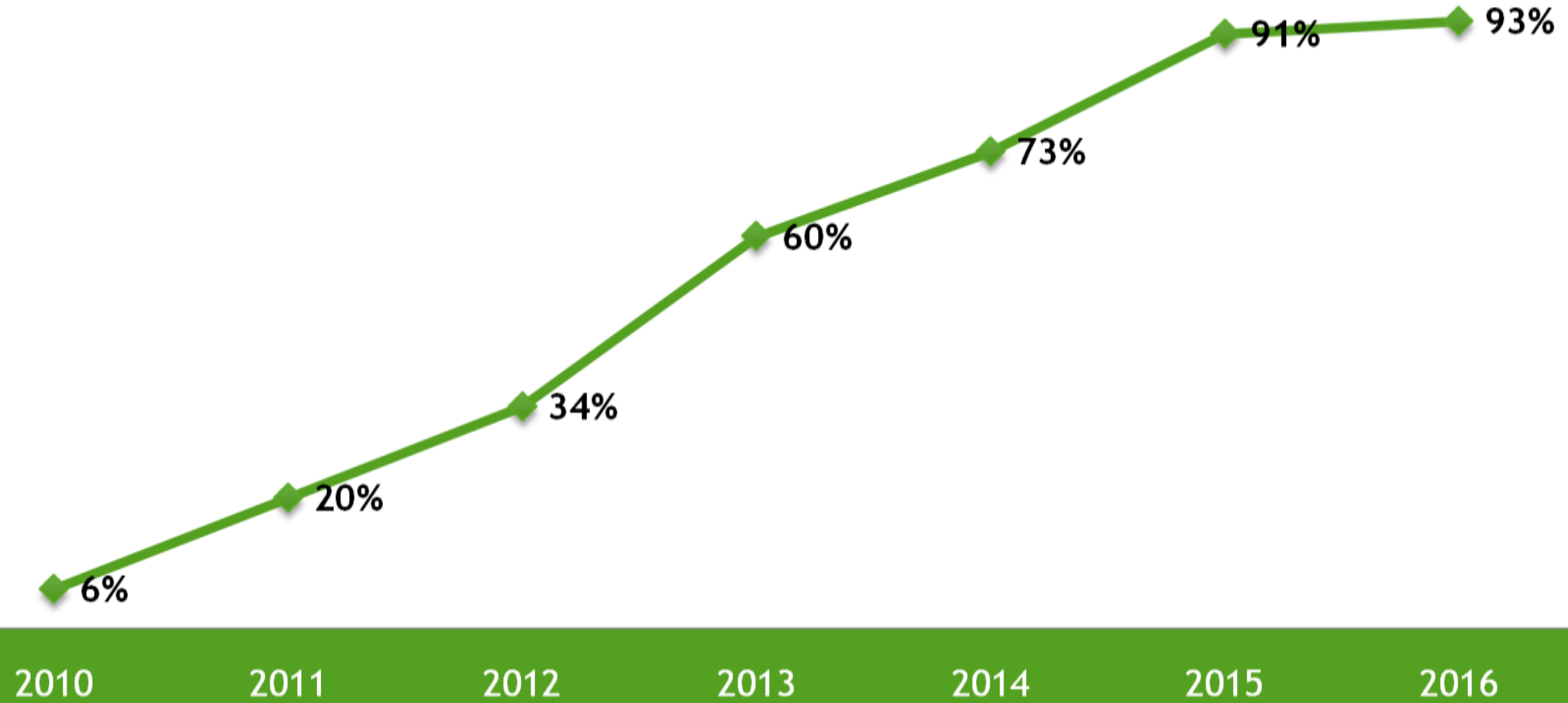
1. Direct Benefits to 14,220 from 4 barangay health stations and indirect benefits to 106 barangay health workers / community health team (BHS/CHT), 4 boatmen and 20 RHU staffs.





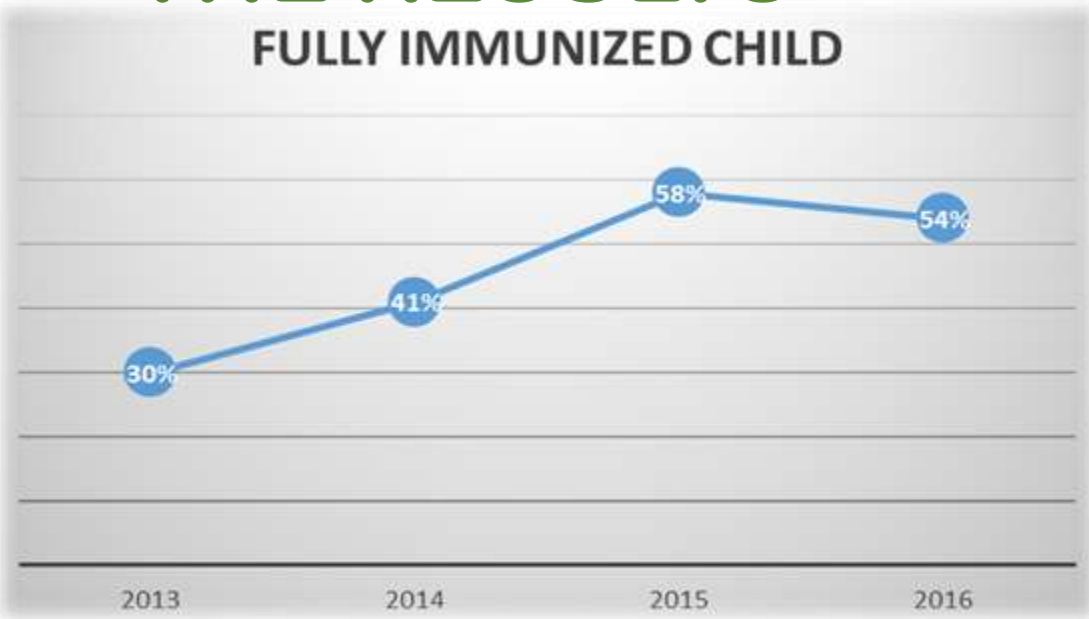
# THE RESULTS

## FACILITY BASED DELIVERY IN ZUMARRAGA

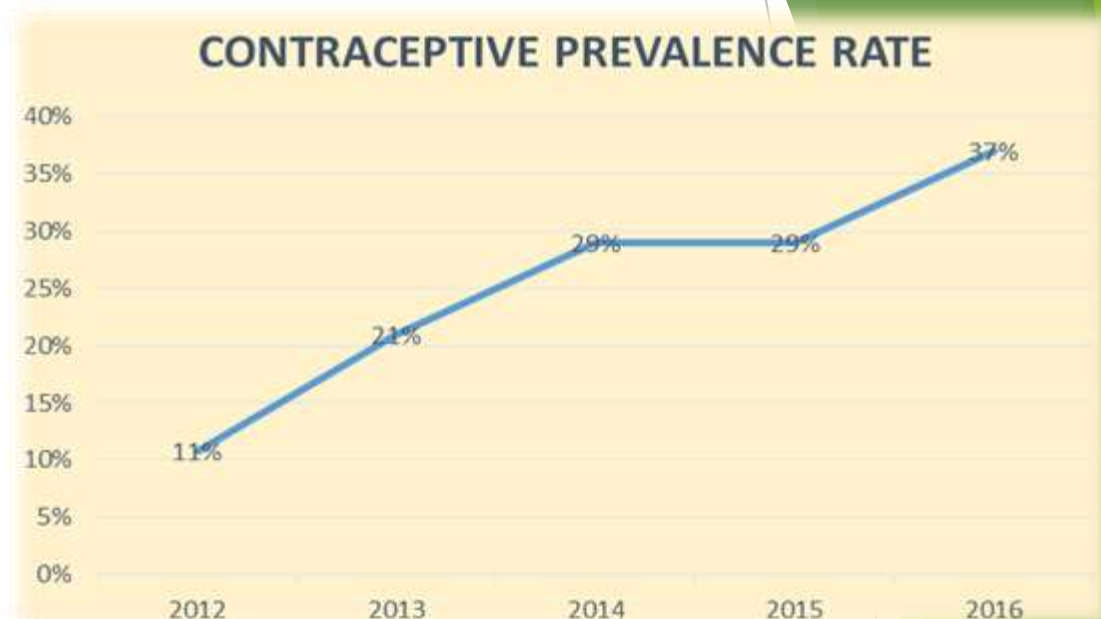


# THE RESULTS

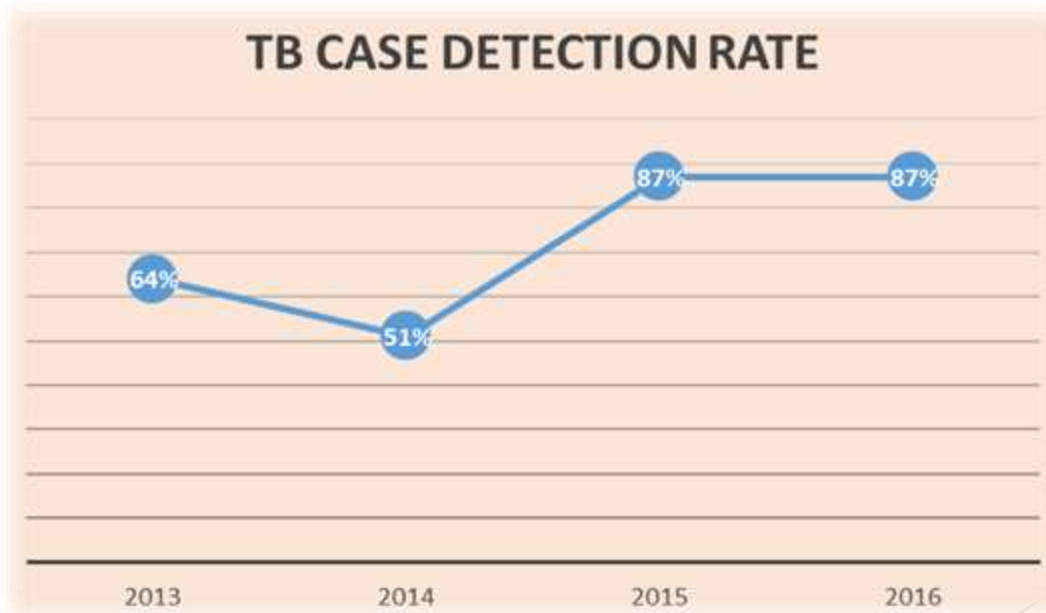
## FULLY IMMUNIZED CHILD



## CONTRACEPTIVE PREVALENCE RATE



## TB CASE DETECTION RATE



# THE RESULTS

7. Farthest BHS was ranked first in 2016 from rank 5 in 2014;
8. From a zero income from Philhealth reimbursements in 2011, it now earns 2.5-4.3 million pesos annually from Philhealth revenue

# THE RESULTS : INCREASE IN RHU INCOME

YEAR	MCP INCOME	TB DOTS INCOME	PCB (PFPR)	GRAND TOTAL
<b>2011</b>	0	0	0	0
<b>2012</b>	146,350	50,500	1,172,075	<b>1,368,925</b>
<b>2013</b>	477,200	52,500	418,225	<b>947,925</b>
<b>2014</b>	1,140,100	137,000	2,221,500	<b>3,498,600</b>
<b>2015</b>	1,464,100	164,550	2,719,000	<b>4,347,650</b>
<b>2016</b>	1,200,200	141,500	1,162,325	<b>2,504,025</b>
<b>TOTAL</b>	<b>4,427,950</b>	<b>546,050</b>	<b>7,693,125</b>	<b>12,667,125</b>

# THE RESULTS

10. Service delivery boats was recognized by Unilab Foundation as one of the successful community projects in terms of social impact, health outcomes and local health financing;

11. ***Inter-Island Health System Strengthening through One Facility, One Health Service Boat Project*** was chosen as the Top 1 Social Innovation in Health Care for 2017 by the Social Innovation in Health Initiative (SIHI) - Philippines.



# THE RESULTS



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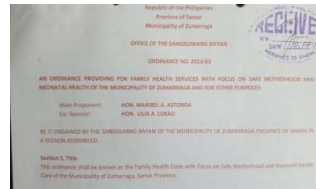
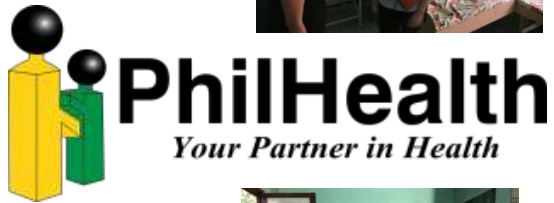
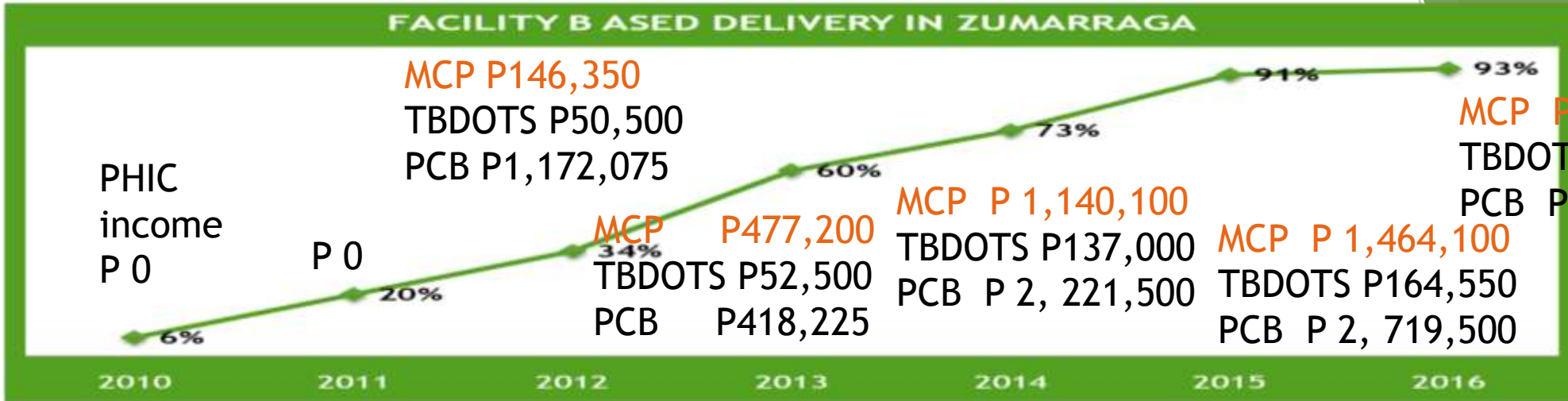
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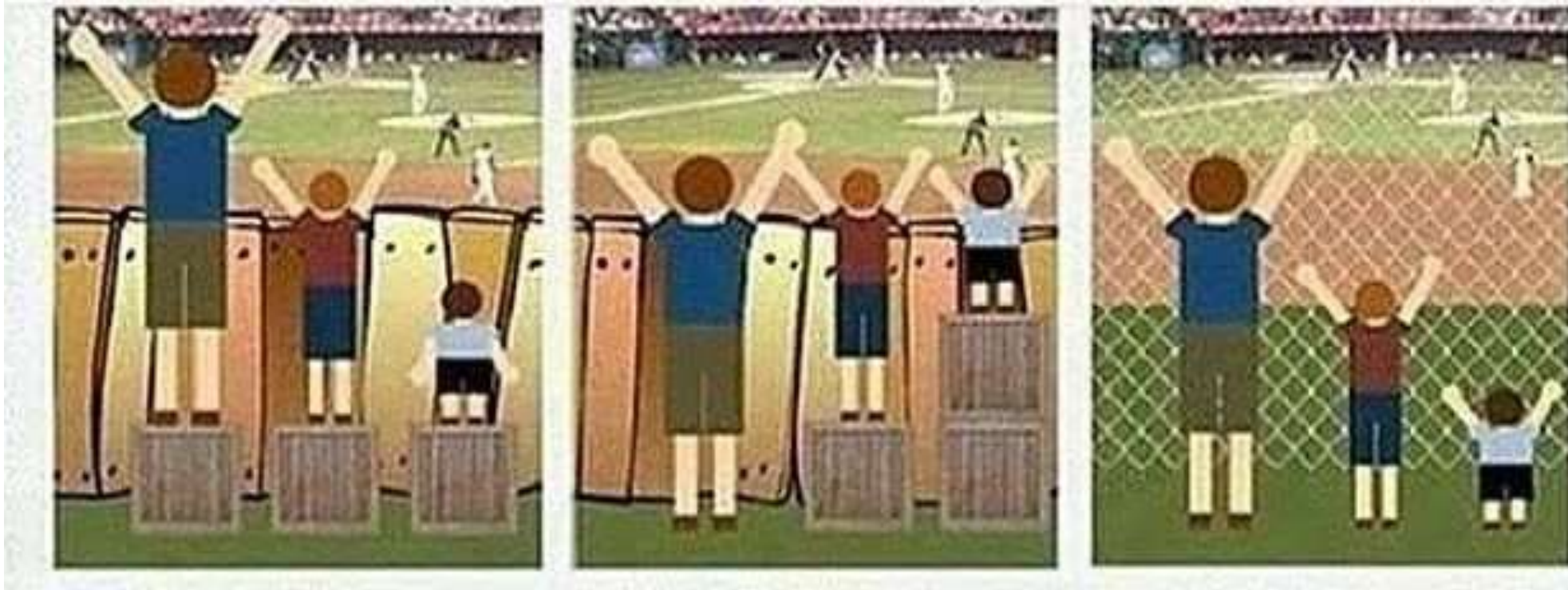


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SOCIAL INNOVATION IN HEALTH INITIATIVE



## FACILITY BASED DELIVERY IN ZUMARRAGA





**IF WE WANT BETTER HEALTH OUTCOMES FOR GEOGRAPHICALLY ISOLATED & DISADVANTAGED AREAS, TRANSPORTATION/ACCESS WHICH IS A SYSTEMIC BARRIER SHOULD BE ADDRESSED FIRST!**

**Investing on simple intervention for improving access could actually improve health outcomes & create positive ripple effects in the local health system that eventually makes UHC a bit closer to reality**



**Clients  
do not come first.**

**Employees  
come first.**

**If you take care of  
your employees,  
they will take care  
of the clients.**

**Richard Branson**

If we really want PEOPLE Centered Health Systems  
People should NOT come first,  
**HEALTH WORKERS COME FIRST!**



If you take care of US, the HEALTH WORKERS in the  
country, especially in the grassroots,  
**WE will take care of our PEOPLE!**

SOCIAL INNOVATION FOR HEALTH  
was NEVER MY MAIN GOAL,

it was my HOW,  
the WAY for me to MATERIALIZE my dream for my  
fellow Samarnons, especially for those living in  
Geographically Isolated & Disadvantaged Areas

Thank you SIHI Philippines, PCHRD & CRHRDC! 😊

YOUR LIFE HAS  
**PURPOSE.**  
YOUR STORY IS  
**IMPORTANT.**  
YOUR DREAMS  
**COUNT.**  
YOUR VOICE  
**MATTERS.**  
YOU WERE BORN TO  
**MAKE AN IMPACT.**

[THELOVEYOURSELFCHALLENGE.TUMBLR.COM](http://THELOVEYOURSELFCHALLENGE.TUMBLR.COM)



"For I know the plans I have for you," declares the LORD, "plans to prosper you and not to harm you, plans to give you hope and a future."  
~Jeremiah 29:11



Thank you for LISTENING