



2017

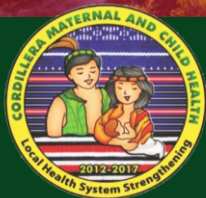
# National Dissemination Forum

**GOOD PRACTICES BOOKLET**

Reducing Maternal and Child Mortality in the Cordillera



## Residence-based Target Client List



**2014 Awardee: NEDA's 3rd Biennial Good Practice Awards**

Project for Cordillera-wide Strengthening of the Local Health System  
for Effective and Efficient Delivery of Maternal and Child Health Services

# Residence-based Target Client List (RBTCL)

“ RBTCL is more useful and practical for us as it is based on the actual number of the eligible population. For example, in Dolores, if we base on FHSIS, we have to anticipate and set aside a budget for 333 pregnant women based on 2.7% of the projected population. But in reality, there were only 176 births, so whatever savings generated, we can purchase vaccines, drugs, and other medical supplies.”

**Dr. Darbie Madriaga**  
*Municipal Health Officer*  
*Dolores, Abra Province*





CORDILLERA ADMINISTRATIVE REGION (CAR)

ILOCOS REGION (REGION 1)

**LEGEND**

- RBTCCL ADOPTED AREAS
- ILOCOS REGION
- CORDILLERA ADMIN. REGION
- BAGUIO CITY

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## ACRONYMS

<b>CAR</b>	Cordillera Administrative Region
<b>DMO</b>	District Medical Officer
<b>DOH</b>	Department of Health
<b>FBD</b>	Facility-based Delivery
<b>FHSIS</b>	Field Health Services Information System
<b>ILHZ</b>	Inter-Local Health Zone
<b>JICA</b>	Japan International Cooperation Agency
<b>LCE</b>	Local Chief Executive
<b>LIPH</b>	Local Investment Plan for Health
<b>MCP</b>	Maternity Care Package
<b>PNC</b>	Pre-natal Care
<b>PPC</b>	Post-partum Care
<b>RBTCCL</b>	Residence-based Target Client List
<b>RHU</b>	Rural Health Unit
<b>SBA</b>	Skilled Birth Attendant

# INTRODUCTION

## 1. Background

Facility-based delivery (FBD) rate, pre-natal care (PNC) completion and post-partum care (PPC) completion rates are important service coverage indicators of maternal and child health care. Specifically, providing a package of interventions to intrapartum women and post-partum women at health facility by skilled health professionals is proven to be effective to reduce maternal mortality. Thus, the Philippine Department of Health (DOH) set the national target of these indicators, and monitors their changes for directing intervention strategies. The Field Health Services Information System (FHSIS) under DOH has a set of definitions for these indicators and provides aggregated statistics.

However, the rates computed based on the FHSIS definitions, using *Occurrence-based data and Projected population*, once aggregated at municipal level, do not reflect actual status of the said services. Below is the typical example of discrepancies found in certain municipalities.

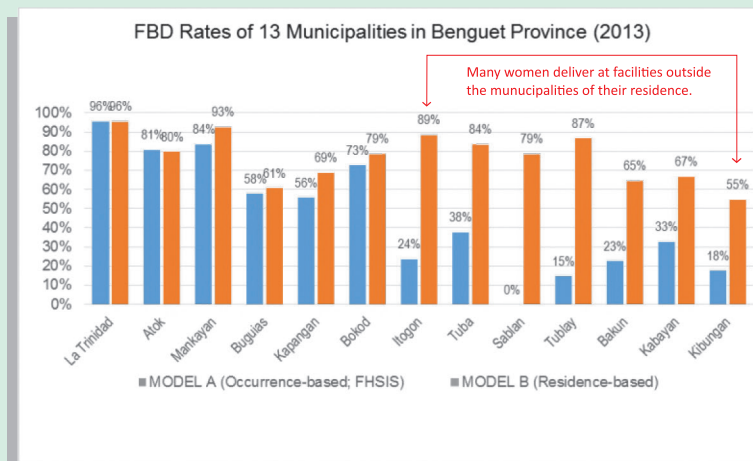
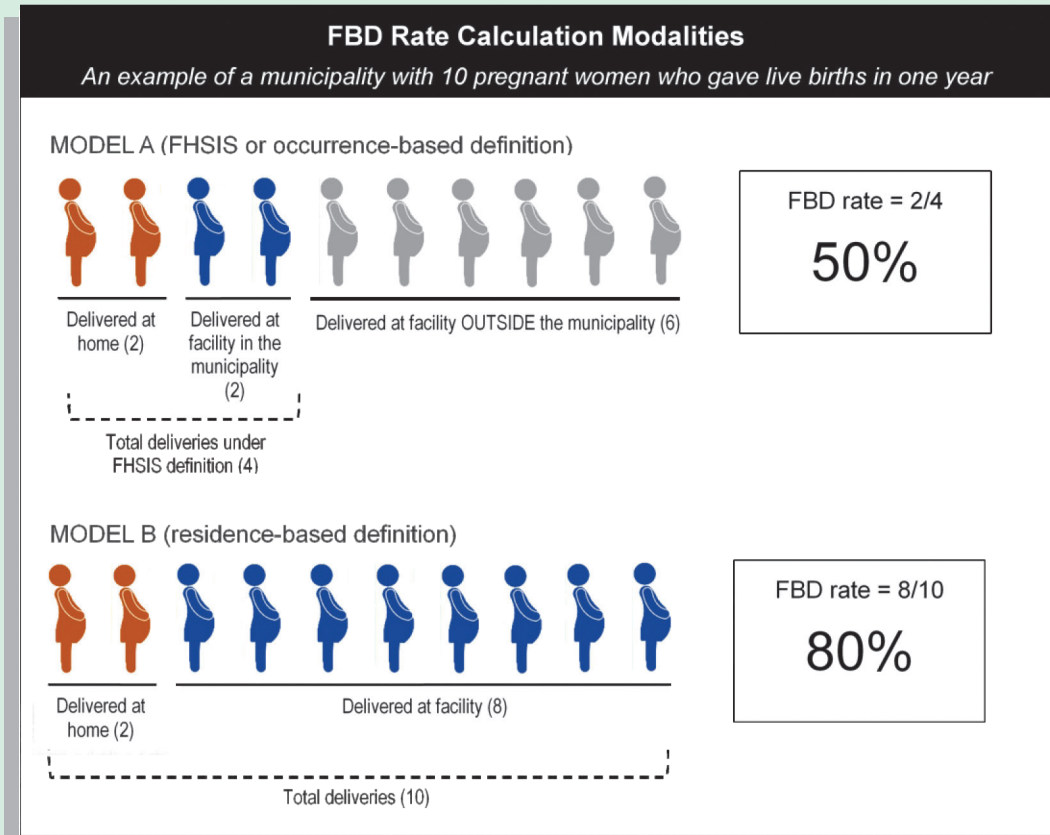
	FHSIS <ul style="list-style-type: none"><li>• Occurrence - based</li><li>• Projected population</li></ul>	Residence-based TCL <ul style="list-style-type: none"><li>• Residence - based</li><li>• Actual number of eligible population</li></ul>
Facility-based Delivery rate (FBD)	53% (55/102)	80% (233/289)
Pre-natal Care completion rate (PNC)	46% (220/477)	79% (235/296)
Post-partum Care completion rate (PPC)	55% (267/477)	89% (258/289)

*Kibungan Municipality, Benguet Province (2014)*

## 2. Gaps Identified in FHSIS

### Facility-based Delivery Rate

FHSIS-based FBD rate does not accurately represent the municipalities' accomplishment or the magnitude of home delivery-related problems prevalent in the localities.



Source: RBTC and FHSIS

## Pre-natal Care (PNC) and Post-partum Care (PPC) completion rates

In FHSIS, PNC/PPC completion rates are underestimated due to the overestimated number of pregnant women used as denominators.

In addition, PNC completion rates are overestimated in municipalities that host hospitals while underestimated in neighboring areas.

### Pre-natal care (PNC) completion rate

**(FHSIS definition)** = *number of pregnant women with 4 or more antenatal visits (who resides in a reporting municipality)*

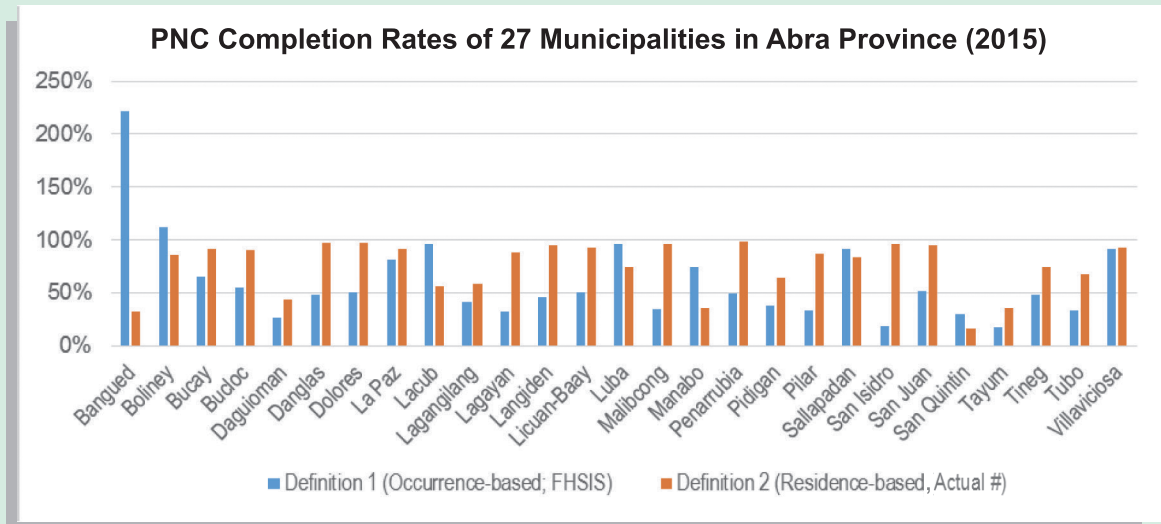
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*(census based) total population x 2.7%*

**(RBTCCL definition)** = *number of pregnant women with 4 or more antenatal visits (who resides in a reporting municipality)*

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*actual number pregnant women (residing in a reporting municipality)*

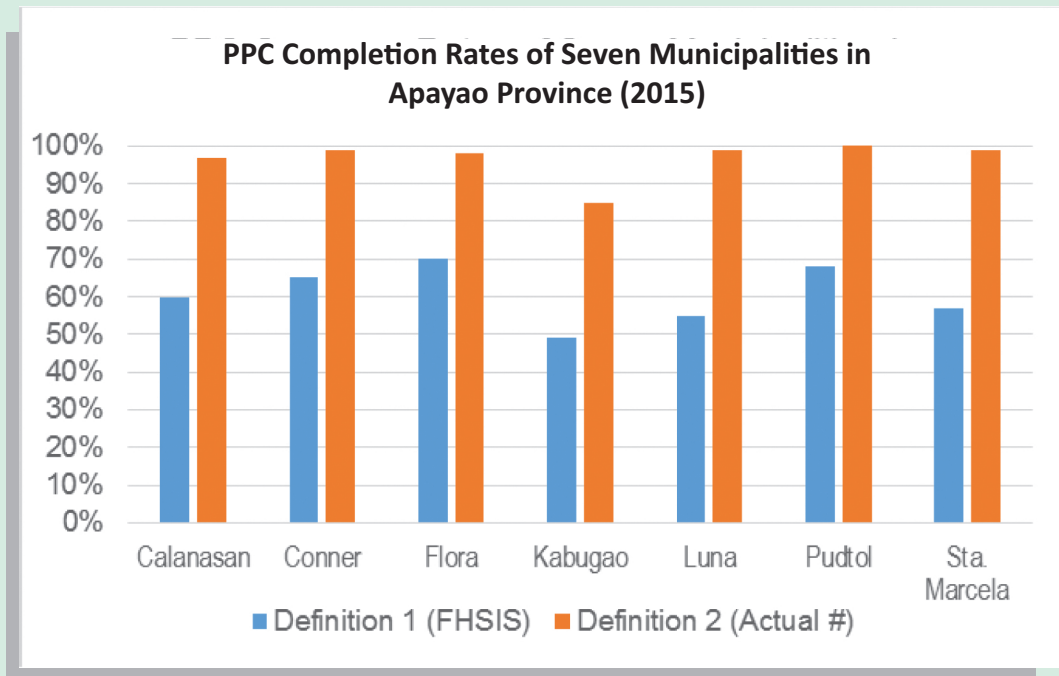


Source: RBTCCL, FHSIS

### Post-partum care completion rate

**(FHSIS definition)** =  $\frac{\text{number of postpartum women with 2 or more postpartum visits (who resides in a reporting municipality)}}{(\text{census based}) \text{ total population} \times 2.7\%}$

**(RBTCL definition)** =  $\frac{\text{number of postpartum women with 2 or more postpartum visits (who resides in a reporting municipality)}}{\text{actual number of postpartum women (residing in a reporting municipality)}}$



Source: RBTCL, FHSIS



### 3. The Purpose of RBTCL

The Project uses Residence-based pregnancy tracking information and actual number of pregnant/post-partum women, because RBTCL data are more useful for:

- Municipal mayors/barangay officials
- Municipal health workers
- Community health volunteers

And because they are responsible for:

- Monitoring their municipal/barangay residents' health status
- Ensuring/encouraging ALL pregnant women living in the municipality to receive health check ups and deliver at health facility REGARDLESS of its location (within/outside the municipality).

They need to make effective and efficient interventions and investment to cater to the local needs based on the relevant data.

*“One benefit of using RBTCL is that we can see how much health workers have accomplished in FBD, PNC, PPC, and SBA-attended delivery. Another is that we can identify the existing gaps to be addressed by the LGU, such as lack of ordinance for facility-based delivery and the need of MOA between LGU and the transportation service providers.”*

**Hydre Nga-Ew**, MHO, Kibungan, Benguet Province

# 4. Project Inputs

## A. Process of Adoption

### RBTC Form

Residence-based TCL FORM 2016 (LIST OF WOMEN WITH TERMINATED PREGNANCY DURING 2016) Province: \_\_\_\_\_ Municipality: \_\_\_\_\_ Barangay: \_\_\_\_\_ Page No. \_\_\_\_\_ Total No. of pages: \_\_\_\_\_

Please list ALL pregnant women living in your Barangay who terminated their pregnancies by delivery, still birth or abortion between JANUARY 1, 2016 and DECEMBER 31, 2016 based on the records in Target Client List (for prenatal and postpartum care). Please EXCLUDE women who moved out of (transferred their residence to) other Barangays before terminating their pregnancies, but INCLUDE women who delivered outside your Barangay if they DID NOT transfer their residence to other Barangays. Please EXCLUDE TRANSIENTS if women had multiple births at one pregnancy (for example twins), add rows so that each baby has one row.

### FHSIS Forms

**TARGET CLIENT LIST FOR PRENATAL CARE**

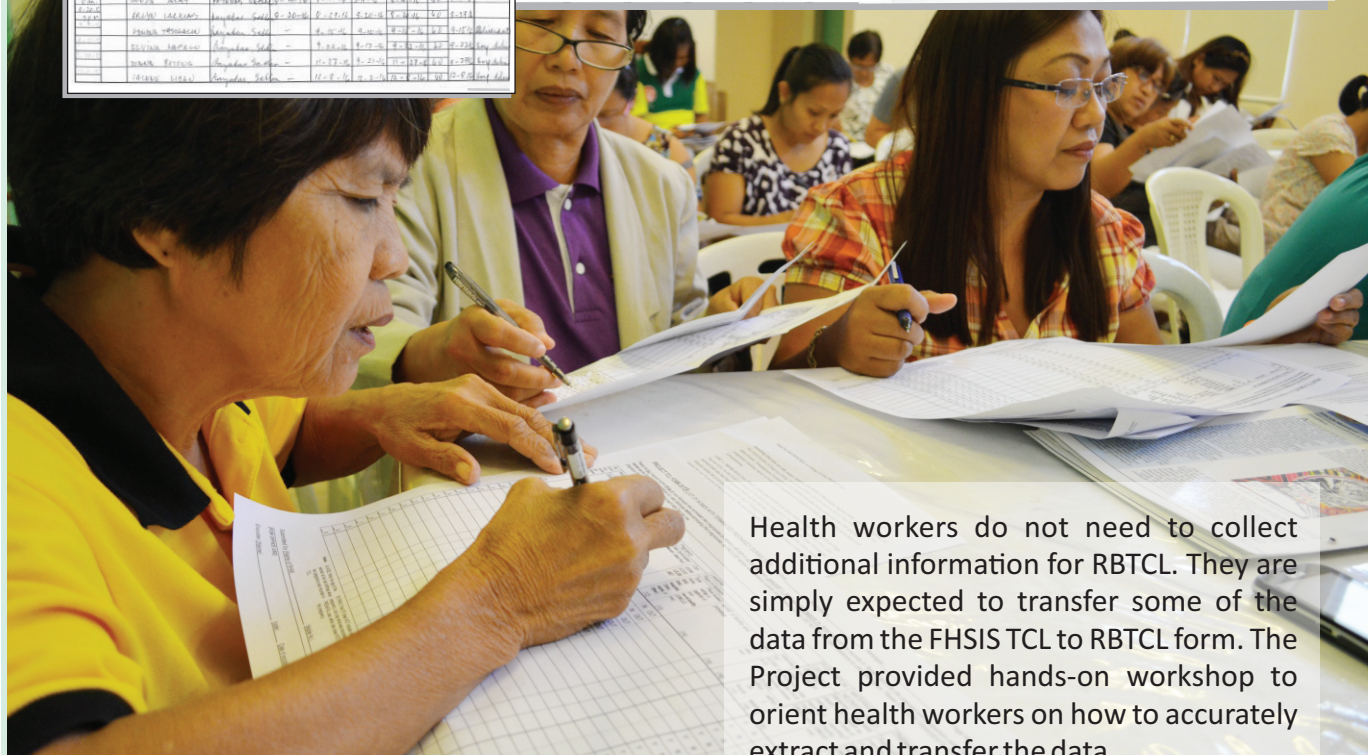
Serial No.	NAME	ADDRESS	AGE	DATE OF LAST MENSTRUATION	DATE OF DELIVERY	DATE OF ABORTION	DATE OF STILL BIRTH	DATE OF PRENATAL CARE	DATE OF POSTNATAL CARE
201	Abaya, Patricia	Lombarda	36	3/21/16	4/18/16			1/16/16	2/16/16
202	Jack, Roscio	Sanjonia, Sanjonia	41	6/21/16	6/28/16			1/16/16	1/16/16
203	Lab. H. Marikit	Suba, Anapay	27	7/1/16	9/21/16			1/16/16	1/16/16
204	Tomang, Brucelara	A. P. Infante, Pinar	24	6/21/16	7/29/16			1/16/16	1/16/16
205	Wang, Rose Marie	E. Pinar, Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
206	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
207	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
208	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
209	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
210	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
211	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
212	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
213	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
214	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
215	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
216	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
217	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
218	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
219	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
220	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16
221	Wang, Lina	W. Pinar	31	5/21/16	2/28/16			1/16/16	1/16/16

**TARGET CLIENT LIST FOR POSTPARTUM CARE**

Serial No.	NAME	ADDRESS	DATE OF DELIVERY	DATE OF ABORTION	DATE OF STILL BIRTH	DATE OF POSTPARTUM CARE	DATE OF PRENATAL CARE
201	Abaya, Patricia	Lombarda	4/18/16			2/16/16	1/16/16
202	Jack, Roscio	Sanjonia, Sanjonia	6/28/16			1/16/16	1/16/16
203	Lab. H. Marikit	Suba, Anapay	9/21/16			1/16/16	1/16/16
204	Tomang, Brucelara	A. P. Infante, Pinar	7/29/16			1/16/16	1/16/16
205	Wang, Rose Marie	E. Pinar, Pinar	2/28/16			1/16/16	1/16/16
206	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
207	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
208	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
209	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
210	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
211	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
212	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
213	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
214	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
215	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
216	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
217	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
218	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
219	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
220	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16
221	Wang, Lina	W. Pinar	2/28/16			1/16/16	1/16/16

No. (Serial)	Given Name	Family Name	Age	Gravida (G)	Para (P)	NUMBER of prenatal visits in each trimester (P+M+D if no data is available. Put 0 if women receive no care)	Pregnancy Date terminated (Month / Day/Year)	Out- come (CODE: LB (still birth), SB (abortion), AB (miscarriage))	Livebirths Type (Place coded: 1= home, 2= health center, 3= clinic, 4= hospital, 5= other)	Place of delivery (NAME of facility and province)	Level (code for office use)	Attended by (CODE: A to E)	POSTPARTUM CARE NUMBER of post-partum visits (Put 0 if no data is available. Put 8 if women receive no care)	PHI/Health member or dependent (Indicate one)	Number of deliveries (Indicate at this pregnancy 1 single, 2 twins, 3 triplets (Indicate as " for both babies of twins))	Remarks			
201	Abaya, Patricia	Lombarda	36	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
202	Jack, Roscio	Sanjonia, Sanjonia	41	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
203	Lab. H. Marikit	Suba, Anapay	27	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
204	Tomang, Brucelara	A. P. Infante, Pinar	24	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
205	Wang, Rose Marie	E. Pinar, Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
206	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
207	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
208	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
209	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
210	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
211	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
212	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
213	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
214	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
215	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
216	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
217	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
218	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
219	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
220	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21
221	Wang, Lina	W. Pinar	31	0	0	0	1/16	10	11	12	13	14	15	16	17	18	19	20	21

(A) AGE: Write the age of the women at her last birthday when her pregnancy was recorded in this pregnancy.  
 (B) PARA: Para (P) does NOT include result of this pregnancy. Just copy what was recorded in TCL for PRENATAL care, which also does NOT include result of this pregnancy.  
 (C) DATE OF SUBMISSION: (Date of submission) / / 2017. Validated by (Name of PHN) (Date of validation) / / 2017  
 (D) CODE: (code) (Date of encoding) / / 2017; Supervisor (Name) (code) (Date of inspection) / / 2017  
 (E) CODE OF THE HIGHEST PROFESSIONAL RISK: A (Cesarean), B (Normal), C (Miscarriage), D (Still/Terrestrial Birth Attendant), E (Others)  
 (F) CODE: (code) (Date of encoding) / / 2017; Supervisor (Name) (code) (Date of inspection) / / 2017  
 (G) CODE: (code) (Date of encoding) / / 2017; Supervisor (Name) (code) (Date of inspection) / / 2017



Health workers do not need to collect additional information for RBTC. They are simply expected to transfer some of the data from the FHSIS TCL to RBTC form. The Project provided hands-on workshop to orient health workers on how to accurately extract and transfer the data.

## B. Delivery Tracking Board



Delivery Tracking Board is a powerful tool to track health seeking behavior of pregnant women in the catchment area and to follow up the outcome of pregnancy.

*Delivery Tracking Board used in Buluan BHS, Apayao Province*

## C. Technical Transfer



*In November and December 2016, Chief Advisor, Ms. Fude Takayoshi lectured for the technical transfer workshop.*

The Project provided Technical Transfer workshop so that the technique of analyzing the collected data are shared and sustained after the Project ends.

## 1. Utilization of the Analysis at the Provincial and Municipal Level

Project purpose indicators at a glance 2015: facility-based delivery, antenatal care (ANC), postpartum care (PPC)

All target site provinces

Province	Pregnant	Antenatal care complete	Target	Live births	Facility-based delivery	Target	Postpartum	Postpartum care complete	Target
Abra (6 muni)	851	714 (84%)	70%	840	817 (97%)	85%	833	829 (99%)	80%
Apayao	2,206	1,866 (85%)	85%	2,139	1,878 (88%)	80%	2,122	2,052 (97%)	90%
Benguet	7,132	5,992 (84%)	80%	7,110	6,643 (93%)	90%	7,065	6,930 (98%)	95%
<b>Total</b>	<b>10,189</b>	<b>8,572 (84%)</b>	<b>80%</b>	<b>10,089</b>	<b>9,338 (93%)</b>	<b>85%</b>	<b>10,020</b>	<b>9,811 (98%)</b>	<b>90%</b>

Abra (6 municipalities)

Municipality	Pregnant	Antenatal care complete	Target	Live births	Facility-based delivery	Target	Postpartum	Postpartum care complete	Target
Dolores	176	170 (97%)	-	174	172 (99%)	-	173	173 (100%)	-
Lagangilang	234	137 (59%)	-	231	216 (94%)	-	229	229 (100%)	-
Peñarrubia	82	80 (98%)	-	82	82 (100%)	-	82	81 (99%)	-
Pilar	149	129 (87%)	-	148	144 (97%)	-	146	146 (100%)	-
San Juan	137	130 (95%)	-	134	134 (100%)	-	133	130 (98%)	-
Villaviciosa	73	68 (93%)	-	71	69 (97%)	-	70	70 (100%)	-
<b>Abra (6 muni)</b>	<b>851</b>	<b>714 (84%)</b>	<b>70%</b>	<b>840</b>	<b>817 (97%)</b>	<b>85%</b>	<b>833</b>	<b>829 (100%)</b>	<b>80%</b>

Apayao

Municipality	Pregnant	Antenatal care complete	Target	Live births	Facility-based delivery	Target	Postpartum	Postpartum care complete	Target
Calanasan	225	166 (74%)	-	214	189 (88%)	-	212	205 (97%)	-
Conner	472	453 (96%)	-	475	409 (86%)	-	471	467 (99%)	-
Flora	371	320 (86%)	-	349	332 (95%)	-	347	339 (98%)	-
Kabugao	324	239 (74%)	-	317	190 (60%)	-	314	268 (85%)	-
Luna	322	275 (85%)	-	317	306 (97%)	-	312	310 (99%)	-
Pudtol	289	219 (76%)	-	272	259 (95%)	-	272	271 (100%)	-
Santa Marcela	203	194 (96%)	-	195	193 (99%)	-	194	192 (99%)	-
<b>Apayao</b>	<b>2,206</b>	<b>1,866 (85%)</b>	<b>85%</b>	<b>2,139</b>	<b>1,878 (88%)</b>	<b>80%</b>	<b>2,122</b>	<b>2,052 (97%)</b>	<b>90%</b>

Benguet

Municipality	Pregnant	Antenatal care complete	Target	Live births	Facility-based delivery	Target	Postpartum	Postpartum care complete	Target
Atok	235	215 (93%)	-	225	200 (89%)	-	223	223 (100%)	-
Bakun	259	211 (81%)	-	249	219 (88%)	-	248	242 (98%)	-
Bokod	203	167 (82%)	-	198	182 (92%)	-	197	193 (98%)	-
Buguias	713	602 (84%)	-	714	577 (81%)	-	709	701 (99%)	-
Iitogon	946	793 (84%)	-	942	907 (96%)	-	936	904 (97%)	-
Kabayán	253	192 (76%)	-	251	218 (87%)	-	250	246 (98%)	-
Kapangan	255	216 (85%)	-	250	228 (91%)	-	248	245 (99%)	-
Kibungan	294	234 (80%)	-	287	234 (82%)	-	284	265 (93%)	-
La Trinidad	1,960	1,446 (74%)	-	1,968	1,935 (98%)	-	1,955	1,899 (97%)	-
Mankayan	689	661 (96%)	-	694	689 (99%)	-	689	689 (100%)	-
Sablan	150	123 (82%)	-	150	142 (95%)	-	149	146 (98%)	-
Tuba	704	662 (94%)	-	708	645 (91%)	-	704	704 (100%)	-
Tublay	476	470 (99%)	-	474	467 (99%)	-	473	473 (100%)	-
<b>Benguet</b>	<b>8,132</b>	<b>5,992 (84%)</b>	<b>80%</b>	<b>7,110</b>	<b>6,643 (93%)</b>	<b>90%</b>	<b>7,065</b>	<b>6,930 (98%)</b>	<b>95%</b>

Source: RB TCL

- For increasing the health budget

*“During the Program Implementation Review(PIR), the results of the RB TCL was presented. I was able to see myself the good performing municipalities and barangays and low performing facilities in terms of prenatal, post-partum and facility-based delivery accomplishments. Thus, during the budget allocation, the results of RB TCL were my basis to increase the MNCHN budget of the Provincial Health Office in Apayao Province to ensure that the low performing municipalities and barangays would be prioritized.”*

**Dr. Thelma Dangao, PHO-II, Apayao Province**

- Adequately allocating Primary Health Care Benefit by PhilHealth for items necessary in the problematic areas

*“We allocated 10% of PhilHealth reimbursement of PhilHealth Primary Care Benefit for meds/supplies and 10% for instruments to prioritized Tacadang and Badeo BHSs, where their performance was found to be low by RB TCL.”*

**Hydre Nga-Ew, MHO, Kibungan, Benguet Province**

Abra (21 municipalities)							
Municipality	Pregnant Antenatal care complete	Target	Live births	Facility-based delivery	Target	Postpartum Post-partum care complete	Target
Bangued	811 259 (32%)	-	815 799 (98%)	-	-	809 800 (99%)	-
Bollney	66 57 (86%)	-	67 50 (75%)	-	-	66 65 (98%)	-
Bucay	251 230 (92%)	-	248 225 (91%)	-	-	247 234 (95%)	-
Bucloc	39 35 (90%)	-	38 28 (74%)	-	-	38 38 (100%)	-
Daguioman	18 8 (44%)	-	18 18 (100%)	-	-	18 18 (100%)	-
Danglas	73 71 (97%)	-	74 70 (95%)	-	-	73 73 (100%)	-
La Paz	204 185 (91%)	-	204 196 (96%)	-	-	203 203 (100%)	-
Lacub	87 49 (56%)	-	86 35 (41%)	-	-	86 86 (100%)	-
Lagayan	52 46 (88%)	-	50 19 (38%)	-	-	50 47 (94%)	-
Langiden	42 40 (95%)	-	41 33 (80%)	-	-	41 40 (98%)	-
Licuan-Baay	73 68 (93%)	-	73 47 (64%)	-	-	72 50 (69%)	-
Luba	117 88 (75%)	-	13 107 (95%)	-	-	113 109 (96%)	-
Malibong	46 44 (96%)	-	45 28 (58%)	-	-	45 43 (96%)	-
Manabo	140 51 (36%)	-	139 134 (96%)	-	-	139 139 (100%)	-
Pidigan	174 111 (64%)	-	171 170 (99%)	-	-	170 170 (100%)	-
Sallapadan	102 85 (83%)	-	100 91 (91%)	-	-	100 100 (100%)	-
San Isidro	73 70 (96%)	-	73 62 (85%)	-	-	72 71 (99%)	-
San Quintin	98 16 (16%)	-	98 96 (98%)	-	-	98 97 (99%)	-
Tayum	203 74 (36%)	-	139 191 (96%)	-	-	197 196 (99%)	-
Tineg	71 63 (75%)	-	70 22 (31%)	-	-	70 63 (78%)	-
Tabo	76 52 (68%)	-	75 67 (89%)	-	-	75 71 (95%)	-
Abra(21 muni)	2,816 1,682 (60%)	-	2,797 2,486 (89%)	-	-	2,782 2,703 (97%)	-
Mt. Province							
Municipality	Pregnant Antenatal care complete	Target	Live births	Facility-based delivery	Target	Postpartum Post-partum care complete	Target
Bauko	580 422 (73%)	-	572 449 (78%)	-	-	569 568 (99%)	-
Natonin	169 77 (46%)	-	168 113 (67%)	-	-	167 147 (88%)	-
Paraceis	674 225 (33%)	-	652 403 (62%)	-	-	649 529 (82%)	-
Sabangan	153 90 (59%)	-	148 125 (84%)	-	-	148 147 (99%)	-
Tadian	296 220 (74%)	-	291 270 (93%)	-	-	289 289 (100%)	-
Mt. Province	1,872 1,144 (61%)	-	1,331 1,360 (74%)	-	-	1,822 1,680 (92%)	-
Kalinga							
Municipality	Pregnant Antenatal care complete	Target	Live births	Facility-based delivery	Target	Postpartum Post-partum care complete	Target
Balbalan	192 175 (91%)	-	186 181 (97%)	-	-	184 162 (88%)	-
Lubugan	150 76 (51%)	-	148 146 (99%)	-	-	148 147 (99%)	-
Pasil	112 76 (68%)	-	111 65 (59%)	-	-	110 110 (100%)	-
Pinukpuk	599 327 (55%)	-	582 436 (75%)	-	-	579 523 (90%)	-
Rizal	346 263 (76%)	-	345 330 (96%)	-	-	344 341 (99%)	-
Tabuk	2,249 1,974 (88%)	-	2233 2133 (98%)	-	-	2,222 2,208 (99%)	-
Tanudan	140 117 (84%)	-	140 96 (69%)	-	-	140 121 (86%)	-
Tinglayan	246 205 (83%)	-	242 213 (88%)	-	-	240 235 (98%)	-
Kalinga	4,034 3,213 (80%)	-	3,987 3,650 (92%)	-	-	3,967 3,847 (97%)	-
Ifugao							
Municipality	Pregnant Antenatal care complete	Target	Live births	Facility-based delivery	Target	Postpartum Post-partum care complete	Target
Aguinaldo	443 351 (79%)	-	425 303 (71%)	-	-	425 387 (91%)	-
Alfonso Lista	604 577 (96%)	-	596 571 (96%)	-	-	690 589 (99%)	-
Asipuo	310 292 (94%)	-	301 228 (76%)	-	-	299 296 (99%)	-
Hingyon	156 99 (63%)	-	146 92 (63%)	-	-	146 140 (96%)	-
Hungduan	165 149 (90%)	-	157 127 (81%)	-	-	156 156 (100%)	-
Kiangsan	357 258 (72%)	-	348 309 (89%)	-	-	340 338 (98%)	-
Lagawe	330 250 (76%)	-	318 305 (96%)	-	-	315 280 (89%)	-
Lamut	488 351 (72%)	-	479 452 (94%)	-	-	477 475 (99%)	-
Mayoyao	235 178 (76%)	-	224 152 (68%)	-	-	224 218 (97%)	-
Ifugao	3,088 2,505 (81%)	-	2,994 2,539 (85%)	-	-	2,977 2,879 (97%)	-

Source: RBTC

- Planning for Local Investment Plan for Health (LIPH)



- Prioritizing PhilHealth enrollment promotion activities in low performing areas

*“Our officers used the RBTCL results and prioritized our marketing activities in municipalities with low coverage. We advocated to the local chief executive for the support, and this evidence-based data opened their eyes”*

**Marilyn Dizon**, PHIC Officer, PhilHealth Benguet Field Office

- Motivating health workers by showing the true accomplishment rate

*“The RBTCL demonstrates how much health workers have improved their capacity of follow-up. For instance, in Barangay Gadang, the rates of PNC and FBD increased to 100% and 95% in 2015 from 48% and 69% in 2014.”*

**Lilian Lauren**, MHO, Kapangan, Benguet Province

*“The municipality of Tayum is very near the municipality of Bangued where hospitals are mostly located. Most of our pregnant women go there to give birth. FHSIS measures facility-based delivery by place of occurrence, resulting in zero accomplishment. It makes an impression that all deliveries happened at home. But with the RBTCL, FBD rate is 96% as it is based on place of residence even pregnant women give birth outside of our municipality.”*

**Dr. Joey Galpo**, MHO, Tayum, Abra Province



Midwives look at barangay results, Mt. Province

## 2. Identification of Barangay at risk

### Facility-based Delivery

Province	Municipality	#	Barangay	Live Births	Facility		Home /Others
Mt. Province	Natonin	1	Alunogan	17	13	(76%)	4
Mt. Province	Natonin	2	Balangao	10	9	(90%)	1
Mt. Province	Natonin	3	Banao	4	1	(25%)	3
Mt. Province	Natonin	4	Banawal	47	25	(53%)	22
Mt. Province	Natonin	5	Butac	16	10	(63%)	6
Mt. Province	Natonin	6	Maducaya	7	5	(71%)	2
Mt. Province	Natonin	7	Poblacion	20	19	(95%)	1
Mt. Province	Natonin	8	Pudo	7	4	(57%)	3
Mt. Province	Natonin	9	Saliok	19	14	(74%)	5
Mt. Province	Natonin	10	Santa Isab	10	7	(70%)	3
Mt. Province	Natonin	11	Tonglayan	11	6	(55%)	5

### SBA attended Delivery

Province	Municipality	#	Barangay	Live Births	SBA deliveries (MD,RN,MW)	Hilot/others
Ifugao	Hungduan	1	Abatan	22	13 (59%)	9
Ifugao	Hungduan	2	Ba-ang	11	9 (82%)	2
Ifugao	Hungduan	3	Bangbang	12	9 (75%)	3
Ifugao	Hungduan	4	Bokiawan	24	21 (88%)	3
Ifugao	Hungduan	5	Hapao	32	32 (100%)	0
Ifugao	Hungduan	6	Lubo-ong	12	7 (58%)	5
Ifugao	Hungduan	7	Maggok	10	9 (90%)	1
Ifugao	Hungduan	8	Nungulunan	12	12 (100%)	0
Ifugao	Hungduan	9	Poblacion	22	19 (86%)	3

FBD, PNC, PPC, and deliveries attended by SBA, analyzed by Barangay make it possible to:

1. Specifically identify the areas with higher risks;
2. Analyze the health seeking behavior of the residents based on the data;
3. And therefore, formulate relevant intervention/investment policies at municipal/barangay level.

### PhilHealth coverage among pregnant women

Province	Municipality	#	Barangay	Preg.women	Yes	No	
Abra	Danglas	1	Abaquid	4	3	1	(75%)
Abra	Danglas	2	Cabaruan	10	4	6	(40%)
Abra	Danglas	3	Caupasan	23	15	8	(65%)
Abra	Danglas	4	Danglas	6	5	1	(83%)
Abra	Danglas	5	Nagaparan	9	9	0	(100%)
Abra	Danglas	6	Padangitan	10	8	2	(80%)
Abra	Danglas	7	Pangal	11	8	3	(73%)

PhilHealth coverage rate analysis by Barangay makes it possible to:

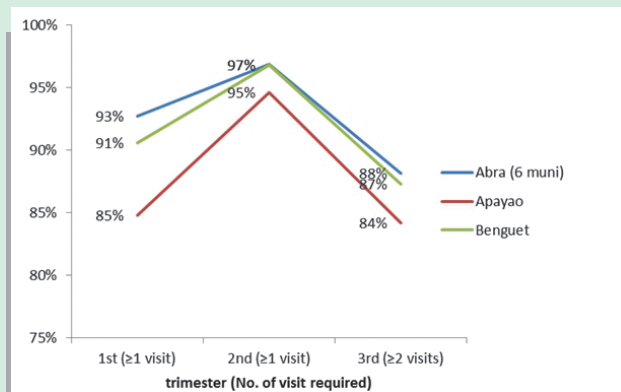
1. Specifically identify the areas with lower coverage rate;
2. Advocate to the Local Chief Executives (LCEs) with the data;
3. And therefore, implement necessary measures by collaboration of health workers and PhilHealth field officers.

### 3. Expanding the areas of analysis

With collected and encoded data, RBTCCL enables us to do the cross tabulation, and we can expand the areas of analysis to such as age-group analysis, gravita/para analysis, and PNC completion rate by trimester, and more.

2014 Percentage of pregnant women who completed minimum number of antenatal visit(s) per trimester

Province	Municipality	preg. women	1st (≥1 visit)	2nd (≥1 visit)	3rd (≥2 visits)	1-1-2 complete
<b>Total</b>		<b>10,724 100%</b>	<b>9,808 90%</b>	<b>10,331 96%</b>	<b>9,300 87%</b>	<b>8,645 81%</b>
<b>Abra</b>		<b>1,045 100%</b>	<b>969 93%</b>	<b>1,012 97%</b>	<b>921 88%</b>	<b>877 84%</b>
<b>Apayao</b>		<b>2,277 100%</b>	<b>1,931 85%</b>	<b>2,154 95%</b>	<b>1,917 84%</b>	<b>1,756 77%</b>
<b>Benguet</b>		<b>7,402 100%</b>	<b>6,706 91%</b>	<b>7,165 97%</b>	<b>6,462 87%</b>	<b>6,012 81%</b>
<b>Abra (6 muni)</b>	Dolores	224 100%	193 86%	212 95%	201 90%	185 83%
	Lagangilang	282 100%	277 95%	285 98%	239 82%	231 79%
	Penarrubia	92 100%	92 100%	92 100%	92 100%	92 100%
	Pilar	185 100%	164 89%	174 94%	152 82%	137 74%
	San Juan	168 100%	159 95%	167 99%	155 92%	150 89%
	Villeveciosa	84 100%	84 100%	82 98%	82 98%	82 98%
<b>Apayao</b>	Calanasan	214 100%	133 62%	187 87%	167 78%	115 54%
	Conner	520 100%	487 94%	508 98%	485 93%	473 91%
	Flora	364 100%	357 98%	360 99%	340 93%	335 92%
	Kabugao	301 100%	228 76%	281 93%	247 82%	204 68%
	Luna	330 100%	250 76%	305 92%	219 66%	190 58%
	Pudtol	334 100%	262 78%	299 90%	245 73%	225 67%
	Santa Marcela	214 100%	214 100%	214 100%	214 100%	214 100%
<b>Benguet</b>	Atok	276 100%	257 93%	263 95%	259 94%	248 90%
	Bakun	276 100%	229 83%	247 89%	232 84%	207 75%
	Bokod	236 100%	193 82%	213 90%	209 89%	191 81%
	Buguias	716 100%	648 91%	691 97%	540 75%	489 68%
	Itogon	909 100%	779 86%	890 98%	810 89%	720 79%
	Kabayan	284 100%	237 83%	268 94%	215 76%	196 69%
	Kapangan	274 100%	232 85%	265 97%	230 84%	206 75%
	Kibungan	328 100%	274 84%	305 93%	276 84%	251 77%
	La Trinidad	2,101 100%	1,922 91%	2,049 98%	1,824 87%	1,687 80%
	Mankayan	706 100%	694 98%	704 100%	687 97%	678 96%
	Sablan	163 100%	128 79%	148 91%	146 90%	122 75%
	Tuba	704 100%	684 97%	697 99%	633 90%	618 88%
	Tublay	429 100%	429 100%	425 99%	401 93%	401 93%



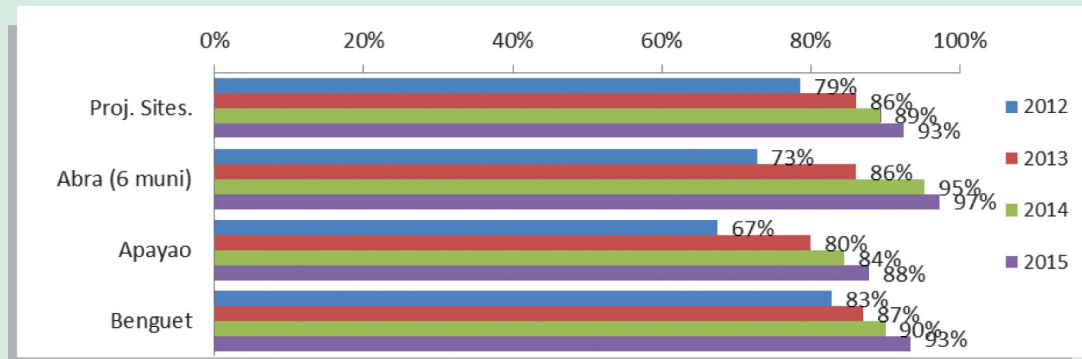
Source: RBTCCL

Source: RBTCCL



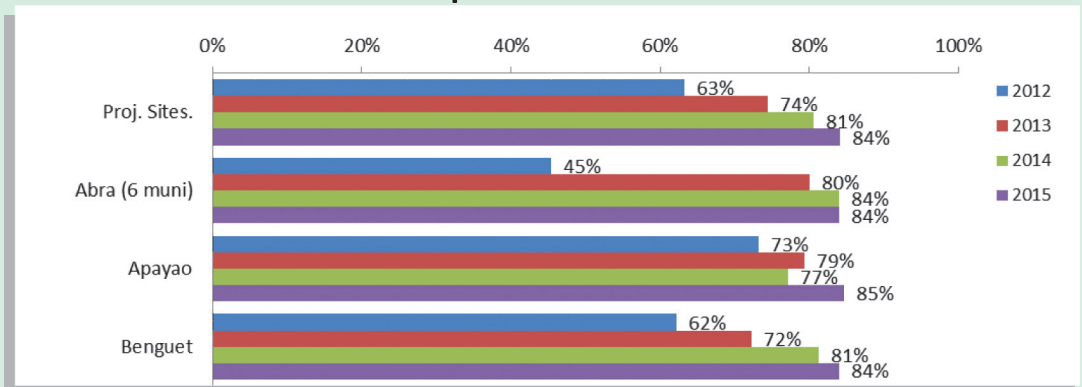
With RBTCL, the Project is able to observe improvement in the following key indicators.

## Increased Facility-based Delivery rate



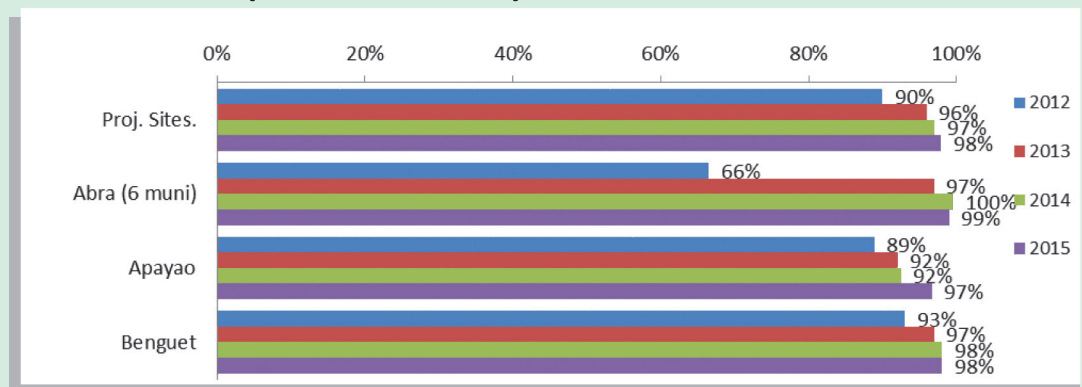
Source: RBTCL

## Increased Prenatal care completion rate



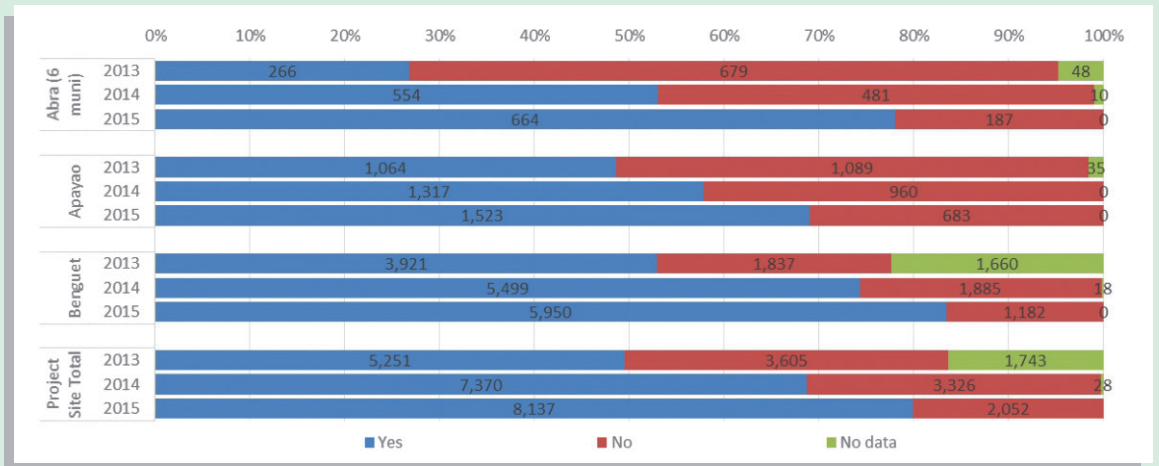
Source: RBTCL

## Increased Post-partum care completion rate



Source: RBTCL

## PhilHealth Coverage rate among pregnant women



Source: RBTC

## Maternity Care Package (MCP) reimbursement amount



Source: PhilHealth Regional Office

Project Sites: Apayao Province, Benguet Province, and 6 municipalities of Abra Province

# RECOMMENDATIONS

- To ensure quality data, complete/proper master listing of pregnant women is very important by conducting regular pregnancy tracking during home visits.
- Strong political will of LCEs is anticipated to use the results of the RBTCL in planning to set areas of priorities.
- For the DOH to issue a policy recognizing the RBTCL as a source of a more accurate baseline data of MNCHN indicators such as FBD, PNC and PPC rates which could be used for more precise program planning down to the barangay level.
- For the DOH-CAR to issue a directive to all District Medical Officers (DMOs) to use RBTCL generated data during local health board meetings and performance implementation review vis a vis FHSIS result for more realistic measurement of health facilities/workers performance due to the difference in the definition and computation of targets.
- For the DOH to consider expansion of RBTCL to other regions of the Philippines.



# Kalusugang Pangkalahatan



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