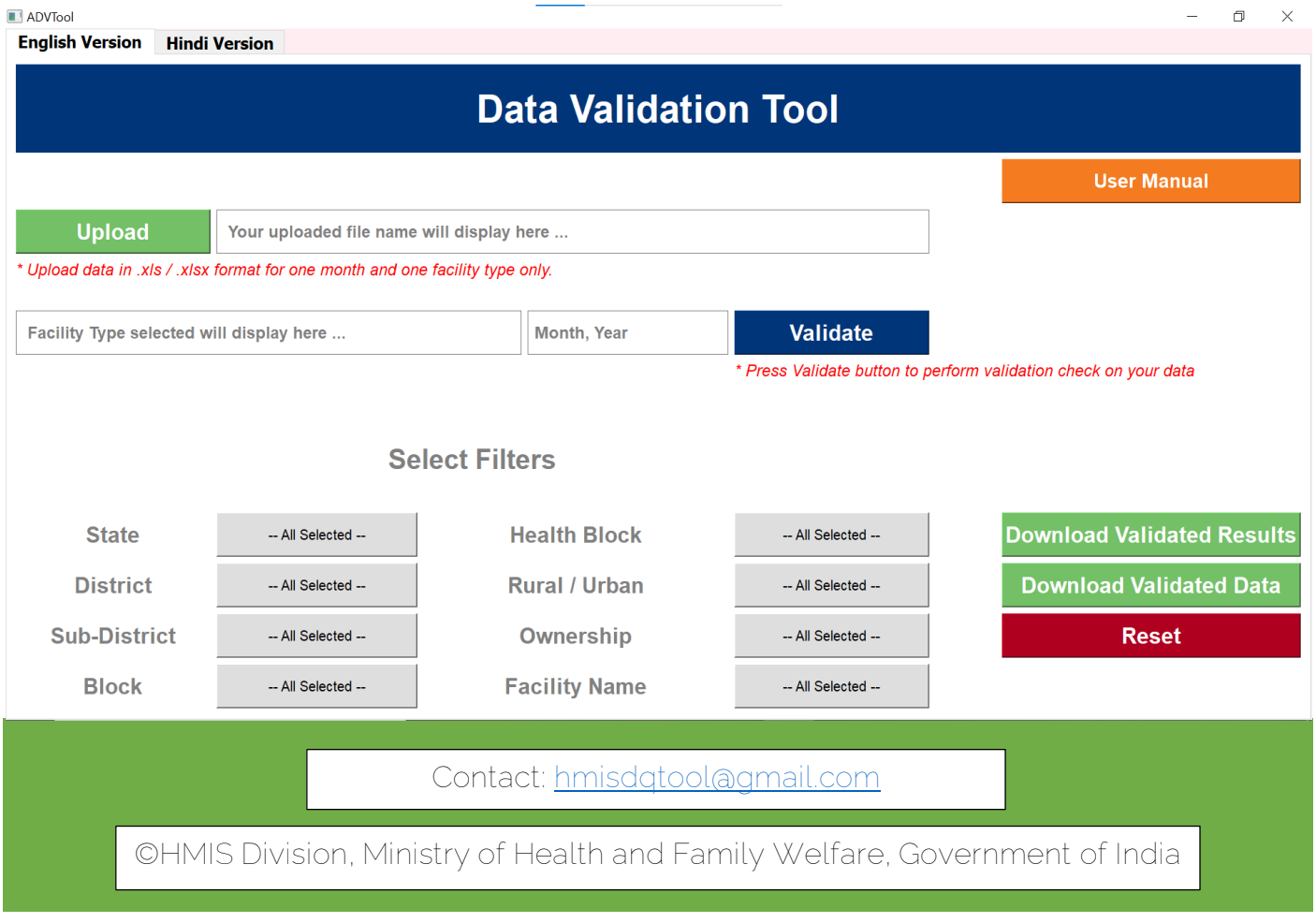
ADVTOOL USER MANUAL



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1. Overview

The Health Management Information System (HMIS) gathers, aggregates and analyses data pertaining to health service delivery at facility levels. However, given the volume of data transactions, errors of various nature creep into the data affecting the overall data quality. As a result, finalization of data takes time ultimately limiting its use for program planning and decision making. Moreover, the staff at national and state level spend considerable time in reviewing, identifying and rectifying the errors. The ADVTool, an automated system, is an effort in this direction to enable HMIS staff in faster review of errors and finalization of HMIS data. The system will benefit the staff working at the national and sub-national levels to undertake data quality assessment checks and provide feedback to data entry operators at facility levels.

2. Salient features of the tool

- User friendly interface
- Built on open-source programming language
- Optimized for handling voluminous data
- Provides output with deep dive-in feature i.e., individual cell values are hyperlinked to provide insights at granular level.
- Performs validation checks for all type of facilities (DH, SDH, CHC, PHC, HSC)
- Generates detailed error reports which can further be customized with filters at eight levels: state, district, sub - district, block, health block, rural/urban, ownership type, facility name)
- Provides snapshot of the error pattern by summarizing and analysing the validation outputs

3. Components of the tool

Figure 1 is the user interface of the ADVTool. It has five main buttons, 10 optional buttons and three informational options. Below we describe each component of the tool.

Main options

1-- ***Upload:*** This button enables the users to upload only one type of health facility (DH, SDH, CHC, PHC, HSC) data in xls/xlsx format. Data for only one month must be uploaded.

2-- ***Validate:*** This button enables the user to perform the validation on the uploaded data

3—***Download Validated Results:*** This button enables the user to download the detailed validation results that includes details of errors, by facilities and validation rule. It should open a dialogue asking where the file is to be saved.

4—***Download Validated Data:*** This button enables the user to download the data that contains the results of validation for each facility and validation rule. It should open a dialogue asking where the file is to be saved.

5-- ***Reset:*** This button brings the null state of the interface and enables the uploading a new data.

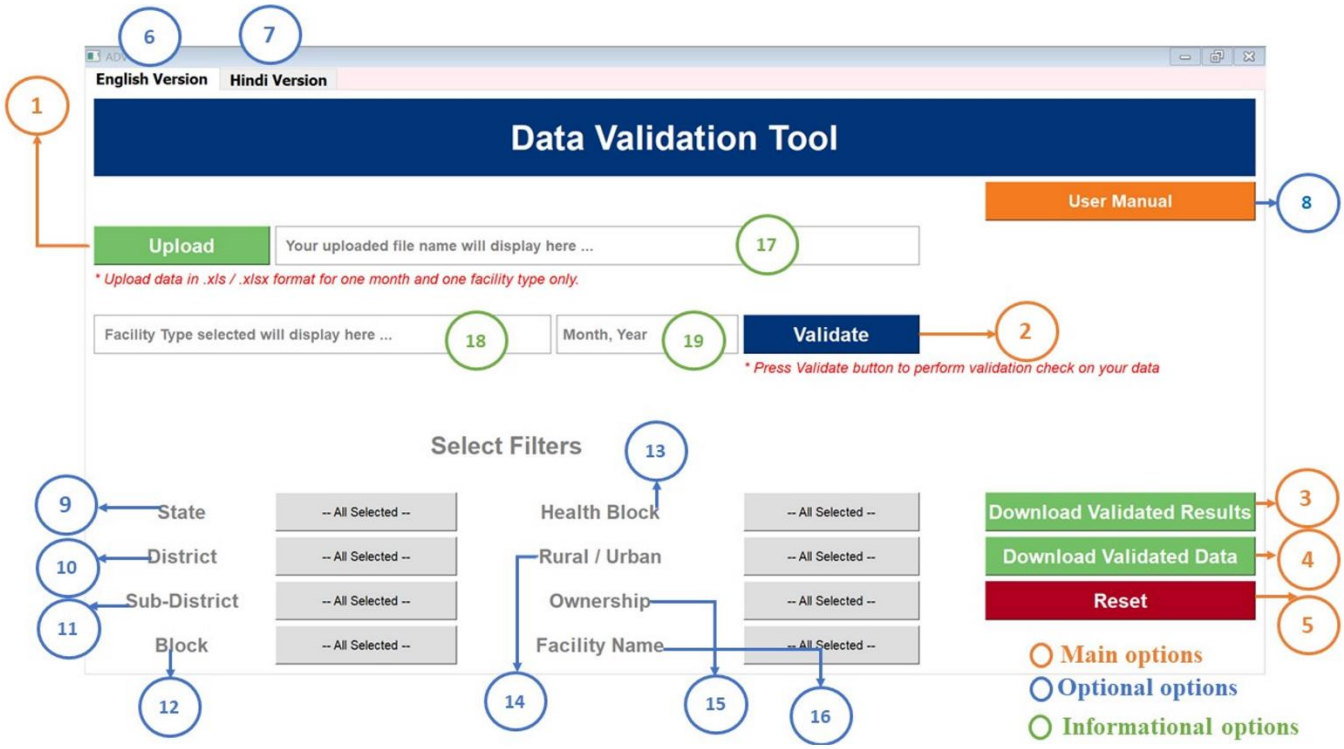
Optional options

6-- ***English Version***: The English interface of the tool is the default interface. In case, a user is using Hindi interface and wants to switch to the English one, then clicking this button displays the English interface.

7-- ***Hindi Version:*** This button allows a user to switch to a Hindi language interface.

8-- ***User Manual:*** Clicking this button opens the user manual.

Figure 1: The interface of HMIS ADVTool



9-- ***State:*** This filter enables the user to choose specific state if data for multiple states are uploaded. By default, "all selected" is displayed. Multiple state selection is allowed.

10-- ***District***: This filter enables the user to choose specific district if data for multiple districts are uploaded. By default, "all selected" is displayed. Multiple selection is allowed.

11-- ***Sub- District:*** This filter enables the user to choose specific sub-districts if data for multiple sub-districts are uploaded. By default, all selected is displayed. Multiple selection is allowed.

12-- ***Block:*** This filter enables the user to choose specific block if data for multiple blocks are uploaded. By default, all selected is displayed. Multiple selection is allowed.

13-- ***Health Block:*** This filter enables the user to choose specific health block if data for multiple health blocks are uploaded. By default, all selected is displayed. Multiple selection is allowed.

14-- ***Rural/Urban:*** This filter enables the user to choose either rural or urban location of the health facility. By default, all selected is displayed. Single selection is allowed.

15-- ***Ownership:*** This filter enables the user to choose the facility by their ownership type; public or private. By default, all selected is displayed. Single selection is allowed.

16-- ***Facility Name:*** This filter enables the user to choose specific health facility if data for multiple health facilities are uploaded. By default, all selected is displayed. Facility names are displayed in alphabetical order. Multiple selection is allowed.

Informational options

17-- This is the placeholder which by default displays the full path along with file name of the data uploaded. User cannot edit this field.

18-- Placeholder that automatically displays the type of facility in the uploaded data. User cannot edit this field.

19-- Placeholder automatically displays the month and year of the uploaded data. User cannot edit this field.

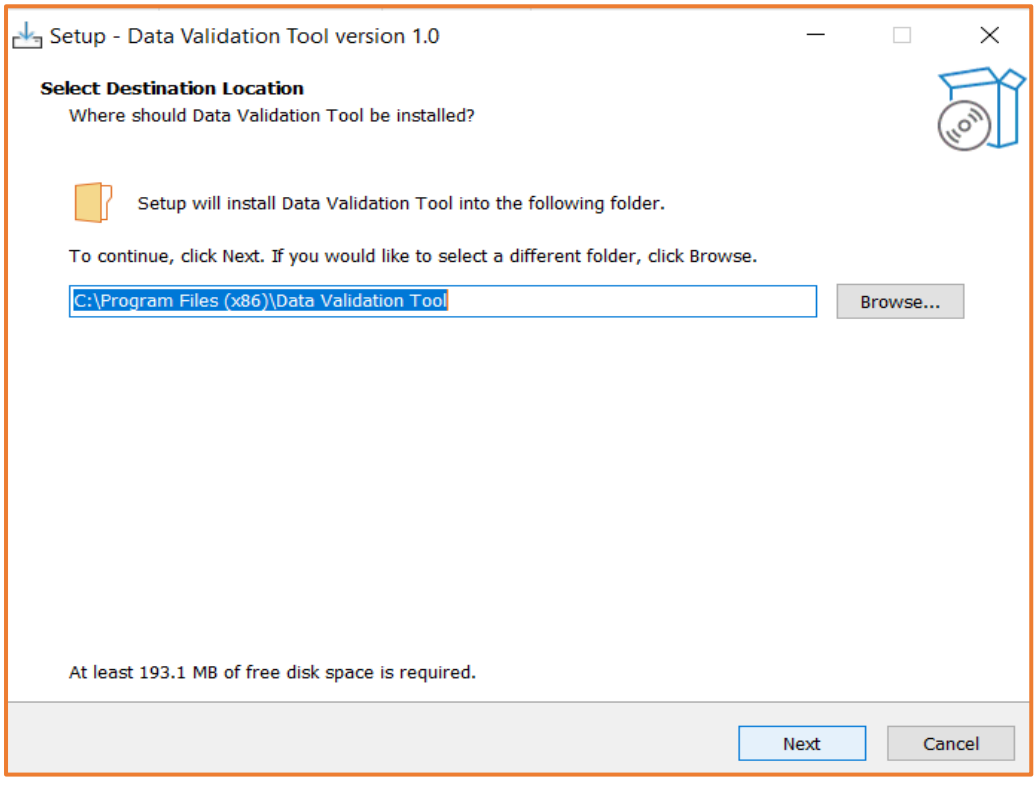
4. Installation

System pre-requisites

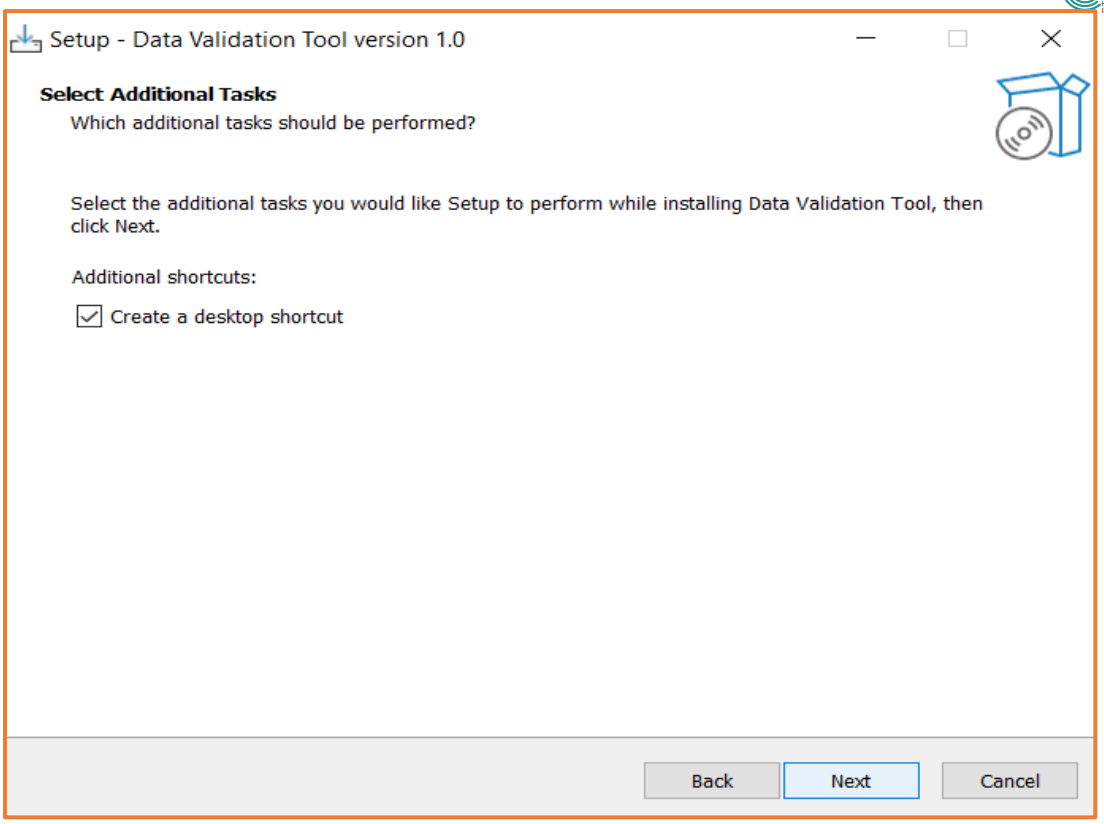
- Operating system: Windows 8 and above
- Hard disk space: 194 MB
- Memory: 4 GB minimum
- Office 2010 or above
- PDF reader

Follow the following process to install the ADVTool in your computer.

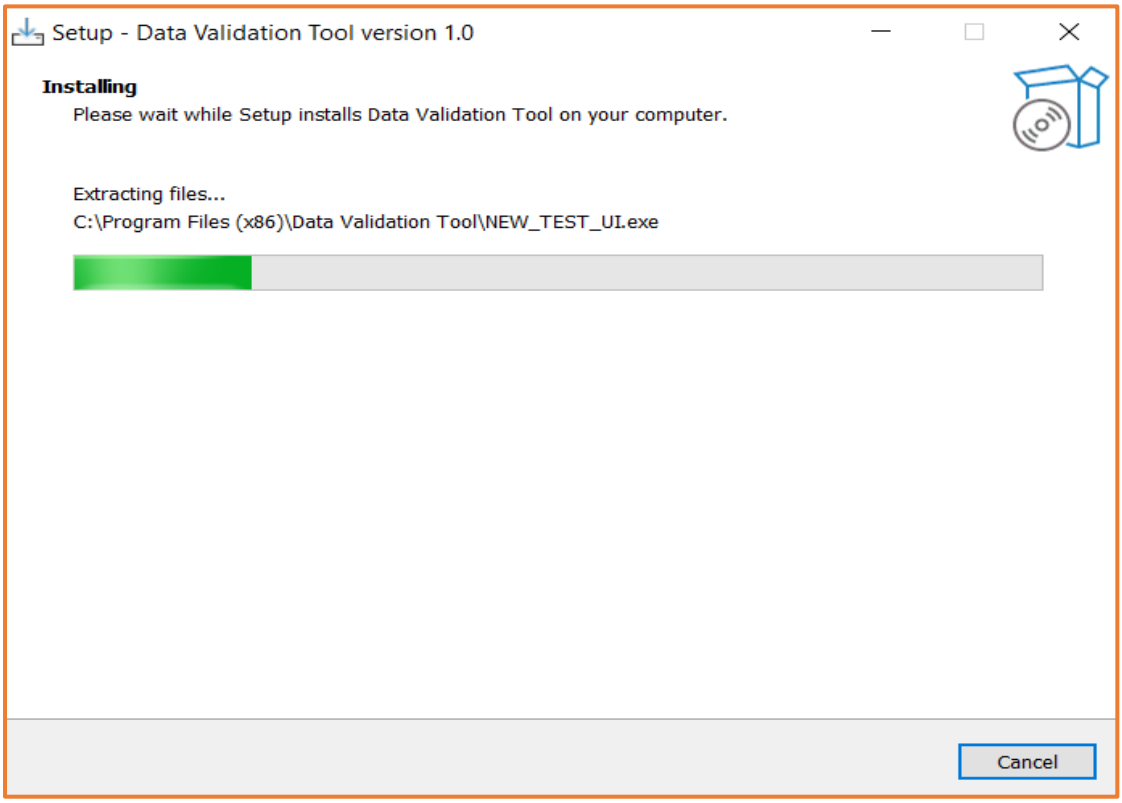
- Save the set-up file ("ADVToolSetup.exe") that you have received from HMIS division in a proper location in your computer such as desktop, download or documents.
- Double click on the file to start the installation. Depending on computer's security level, a dialog box may appear on the screen asking for permission to install. If it appears, click "OK" to start installation. The following screen should appear.
- The set-up has been designed to install in your computer's program files. If you want to install it in a different location, please click on the "Browse" button and select the location of your choice. Click "Next", to move to the next stage of installation.



- In the next screen (see below), there will be an option to create a desktop shortcut. We recommend that you check the box (□) in front of the text "Create a desktop shortcut". This would create a shortcut to the validation tool in your desktop and would enable easy access to the tool. Click "Next" to move to the next screen. "Create a desktop shortcut" (□)

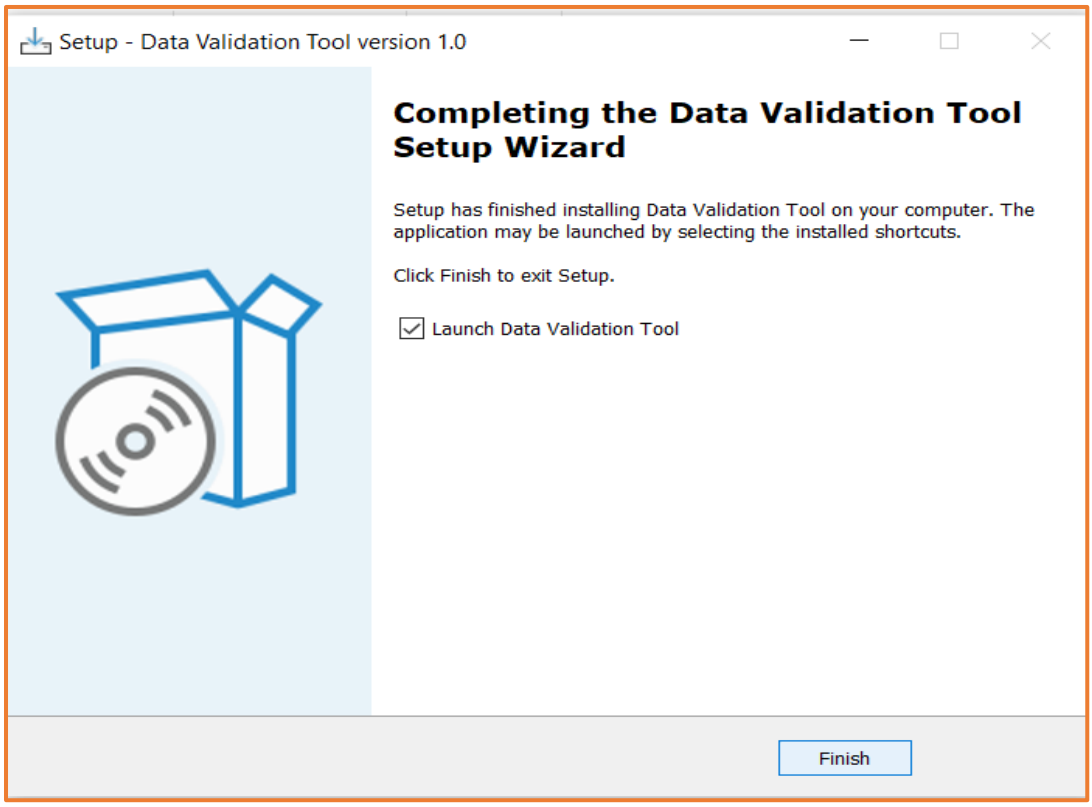


- In the next screen, click the “Install” button. This will start the installation process. A progress bar indicating the progress in installation will be displayed.



- Once the installation completes, the following screen will appear. The “Launch Data Validation Tool” checkbox will be checked by default. If you would not like to start the application

immediately, then uncheck the checkbox. To complete the installation process, click the “Finish” button.



5. Preparatory work

Before using the tool, it is important to download the HMIS data in a format that this tool can read and process. Please follow the below steps to download data from HMIS portal.

⇒ Open the web browser you use for viewing HMIS web portal. Open the HMIS web portal (https://hmis.nhp.gov.in/#!/)

⇒ Enter valid user credentials [Username and Password] as per the organization setup [national/ state/ district user] and the displayed CAPTCHA code in the respective textboxes at the sign in window.

⇒ After signing in as national/ state/ district user; click the reports tab on HMIS 2.0 homepage

⇒ In the scroll down menu of reports tab, click data item wise report

⇒ Under data item wise report, choose monthly report

⇒ Under Report type scroll down menu; select across facility report

⇒ Select the month for which data has to be downloaded. Make sure only **one month time period** is specified. For example, if you want to select data for the month of July 2021, both from and to fields should indicate Jul-2021

⇒ Specify the state and district by choosing from the relevant filters

⇒ Select **particular facility under facility type filter**. Keep rest of the other filters at default setting

⇒ In case of Indicators, click **select all** tab. All the selected indicators will be previewed alongside

⇒ Click '**download report**' tab to download the dataset. [Do not click Export Excel tab]. Refer to Figure 2 for a sample data sheet.

Figure 2: Screen grab of sample data downloaded from HMIS and ready for uploading to validation tool

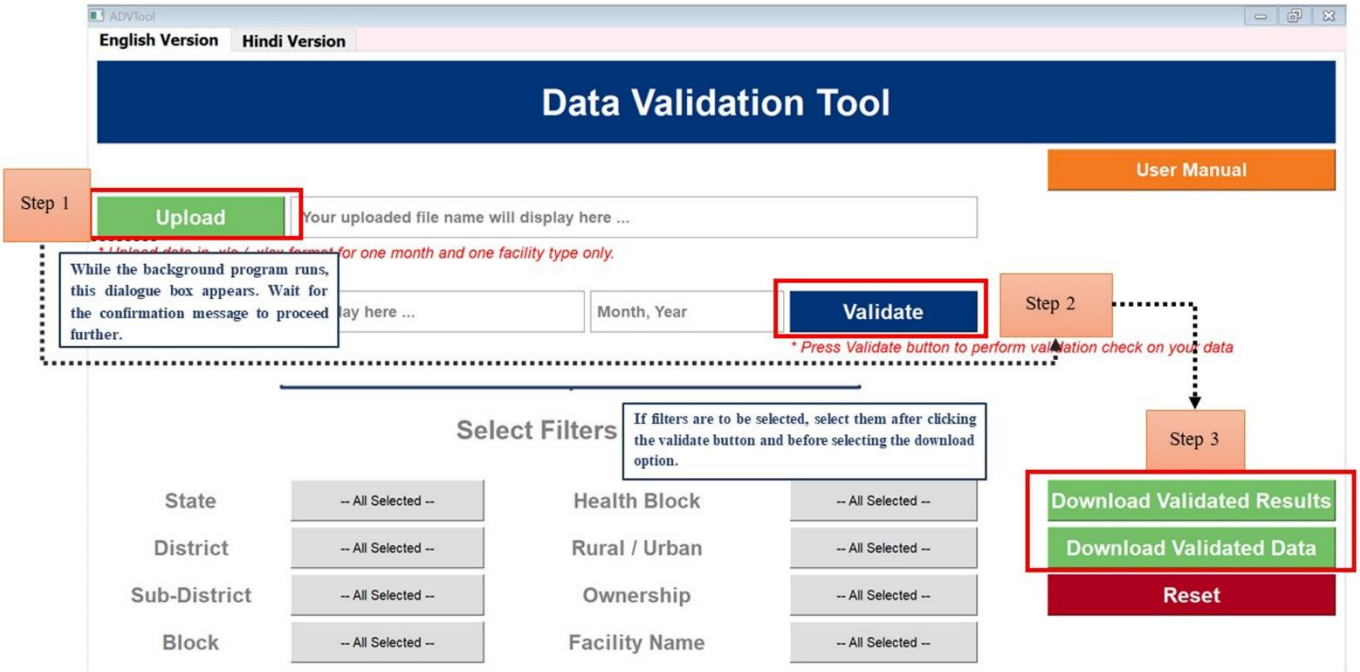
Monthly Data Item Wise Report Across Facility From May-2021 To May-2021(Data as on 28th September 2021 10:43:18 AM)

State Code	State	District Code	District Name	District Category	Sub-District Code	Sub-District Name	Block Code	Block Name	Facility Type	Facility Code	Facility Name	Category	Bed Count	Facility NIN Number	Rural/Urban	Ownership	Physical/ Notional	Status	Active from date	Active to date	1.1 :: Total number of	1.1.1 :: Out of the total ANC	1.2.1 :: Number of PW given
15	Mizoram	261	AIZAWL	Tribal	1904	Aibawk	2387	AIBAWK	Health Sub Centre	235697	Lamchhip SC	Under Health Statistics	1	2118615265	Rural	Public	Physical	Open	24/03/2011		3	1	3
15	Mizoram	261	AIZAWL	Tribal	1904	Aibawk	2387	AIBAWK	Health Sub Centre	235660	Maubuang SC	Under Health Statistics	1	4856372588	Rural	Public	Physical	Open	24/03/2011		4	4	5
15	Mizoram	261	AIZAWL	Tribal	1904	Aibawk	2387	AIBAWK	Health Sub Centre	235661	Muallungthu SC	HWC (For PHC & SC),Under Health Statistics	1	7118212252	Rural	Public	Physical	Open	24/03/2011		7	7	4
15	Mizoram	261	AIZAWL	Tribal	1904	Aibawk	2387	AIBAWK	Health Sub Centre	235662	Phulpui SC	Under Health Statistics	1	2744336377	Rural	Public	Physical	Open	24/03/2011		1	1	3
15	Mizoram	261	AIZAWL	Tribal	1904	Aibawk	2387	AIBAWK	Health Sub Centre	235699	Samlukhai SC	Under Health Statistics	1	8158481377	Rural	Public	Physical	Open	24/03/2011		6	6	4
15	Mizoram	261	AIZAWL	Tribal	1904	Aibawk	2387	AIBAWK	Health Sub Centre	235663	Sateek SC	Under Health Statistics	1	8852676751	Rural	Public	Physical	Open	24/03/2011		4	3	2
15	Mizoram	261	AIZAWL	Tribal	1904	Aibawk	2387	AIBAWK	Health Sub Centre	235700	Sialsuk SC	Under Health Statistics	1	2318213127	Rural	Public	Physical	Open	24/03/2011		0	0	0
15	Mizoram	261	AIZAWL	Tribal	1904	Aibawk	2387	AIBAWK	Health Sub	235664	Tachhip	Under Health	1	4184258	Rural	Public	Physical	Open	24/03/20		5	4	0

6. Using the tool

Open the validation tool, by clicking on the shortcut created at desktop or by opening it from the start menu of the window. The tool will open with an interface in English language. If you wish to switch to the Hindi interface, click on the Hindi language tab at the top left corner of the interface.

Figure 3: Screen grab depicting steps to validate data



Click on upload button, which would open a dialog box. Navigate to the location where the HMIS data file is located. Select the file and click "Open'. If the file is successfully uploaded, the informational options (file path, facility type and month-year) will be displayed. Upload the HMIS data for only one month and one facility type. Please note that for datafile, depending on your system memory, it may take some time for the tool to read the data successfully. Once data is uploaded, click on the validate button for the tool to automatically perform the validation checks. Once the validation is completed, a message indicating "validation completed" will be displayed. After this, the validated data can be downloaded using the download validated data button and the validated results can be downloaded using the download validated results button. At this stage, one can choose relevant filters to download the validated output file. On clicking any of the download button, a new dialog box would open asking the location where to save the output. Navigate to the location where you want to save the file and click "save". These outputs from the validation tool will be saved in ".xlsx" format. If you want to validate a new data, click the reset button and repeat the above process.

7. Reviewing the output

There are two types of errors reported in the validation tool output (refer to file downloaded using the download validated results button): inconsistent and probable reporting error (PRE). Inconsistent error is reported when a validation rule involving two or more indicators fail to meet the specified condition. For example, as shown in Exhibit 1, the tool checks whether indicator # 1.1.1 (number registered within 1st trimester (within 12 weeks)) is less than or equal to indicator # 1.1. (total number of pregnant women registered for ANC). If the condition is not met i.e., Indicator 1.1.1 > Indicator 1.1, then inconsistent is reported. PRE is reported when there might be a chance of error while reporting to highlight the need for further reviewing and verifying the entries before considering them final. There are two variations of PREs: (i) either one of the fields in left hand side (LHS) or right hand side (RHS) of the validation rule has missing value, and (ii) if the value of the indicator at LHS is less than 50% of the value of indicator at RHS. As shown in Exhibit 1, Indicator 1.1.1 is missing (null value) whereas Indicator 1.1 is non-missing (has value) and hence, is reported as PRE. Detailed list of validation rules and conditions in which PRE is reported has been provided in Annexures 1-5. If the validation rule finds that the condition has been met, then it reports it as 'consistent'. If both RHS and LHS values are blank, then it is reported as 'blank'.

Exhibit 1: An example of errors reported in automated validation tool

1.1.1 Out of the total ANC registered, number registered within 1st trimester (within 12 weeks)	1.1 Total number of pregnant women registered for ANC	Validation result for 1.1.1<=1.1
Value	Value	Consistent
Value	Value	Inconsistent (Condition failed)
Null	Value	Probable reporting error
Value	Null	Inconsistent
Blank	Blank	Blank

The validated results output from the validation tool will have seven sheets: a) Description, b) Facility level summary, c) Facility-wise Inconsistencies, d) Facility-wise PRE, e) Validation rule wise summary, f) Inconsistency-wise facilities, and g) PRE-wise facilities. Below is an overview of what each of the output sheets consist.

7.1. Sheet 1: Description

This is the first sheet (Figure 4) of the summary report generated from the validation toolbox. It serves as the cover page to the remaining sheets and contains information on type of facility, month for which data was validated and general description about the remaining six worksheets

Figure 4: Snapshot of the description sheet in the output file generated from validation tool

Description about the output sheets:

Facility Type: Primary Health Centre
Month, Year: May-2021

Sheet Names	Details
Description	Description of sheets, important terminologies and other explanations
Facility-level summary	This sheet gives the counts of errors corresponding to each facility name. The colour coding is done as per the buckets, considering the percentage of the number of inconsistent/PRE out of the total validation checks in that facility type for each facility name. This is also shown graphically below the bucketing table. Clicking on the figures of the original table, the user will be directed to the "Checks giving inconsistent" or "Checks giving PRE" tabs, showing the validation checks for which, the errors creeped in.
Facility-wise inconsistencies	This sheet provides the list of the checks giving Inconsistencies within the dataset with the count and the description.
Facility-wise PRE	This sheet provides the list of the facilities giving Inconsistencies within the dataset with the count and the condition and the description of the condition.
Validation rule wise summary	This sheet provides the list of the facilities giving probable reporting error within the dataset with the count and the condition and the description of the condition.
Inconsistency-wise facilities	This sheet provides the list of the checks giving Probable Reporting Error within the dataset with the count and the description
PRE-wise facilities	This sheet gives us the count of the facilities giving inconsistent and probable reporting error within the datasets. The colour coding is done as per the buckets, which were created considering the percentage of the number of facility names out of all the facilities who have reported inconsistent/PRE. This is also shown graphically below the bucketing table. Clicking on the figures of the original table, the user will be directed to the "Facility with inconsistent" or "Facility with PRE" tabs, showing the facilities for which, the errors creeped in.

Validation Check Outcome Definition :	
Consistent	The validation check holds true and needs no scrutiny.
Inconsistent	The validation check fails and the inconsistent data item is flagged.
Probable reporting error	The validation check may fail and it is subject to confirmation with the concerned authority. Check and verify.
Blank	The validation where all the items are blank.

7.2. Sheet 2: Facility Level Summary

This sheet (Figure 5) provides a count of number of errors that each facility reported in two separate columns, namely, "Inconsistent" and "Probable Reporting Error". It also includes an additional column "All Blank" which reports "Yes" if a facility has reported no values for all indicators (i.e., a blank report). The values in each cell of columns "Inconsistent" and "Probable Reporting Error" are further hyperlinked which helps user to dive deeper into the details of the error. Clicking on a cell value in the "Inconsistent" column, the user is taken to "Facility-wise inconsistencies" sheet where all the inconsistencies for that specific facility is listed.

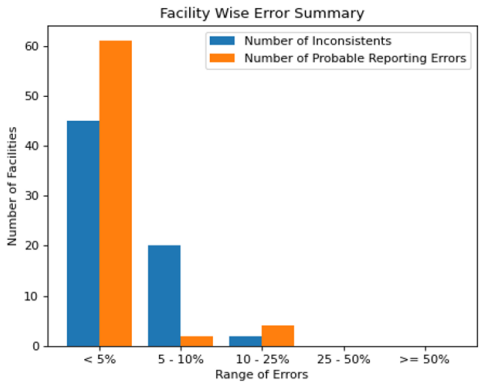
Similarly, clicking a cell value in the "Probable Reporting Error" takes the user to the "Facility-wise PRE" sheet where all the PRE for that specific facility is listed. Additionally, the tool computes error rate separately for inconsistencies and PRE and accordingly, the facilities in this sheet are colour coded. Five colour coding groups are used to indicate the magnitude of errors: <5% (green), 5-10% (light green), 10-25% (light yellow), 25-50% (orange) and >= 50% (red). These percentages are arrived at by dividing the number of errors (inconsistencies or PRE) by the total number of validation checks for that specific facility type. A summary table and bar chart are also provided alongside which shows number of facilities falling into different error buckets (colour groups).

Figure 5: Snapshot of the facility level summary sheet in the output file generated from validation tool

Facility Level Summary

Sr. No	State	District	Facility Name	Inconsistent	Probable Reporting Error	All Blank
0	Mizoram	AIZAWL	Aibawk PHC	10	4	No
1	Mizoram	CHAMPHA	Farkawn PHC	8	9	No
2	Mizoram	AIZAWL	Hlimen UPHC	6	3	No
3	Mizoram	AIZAWL	Khawruhlian PHC	6	2	No
4	Mizoram	Hnahthial	Cherhlun PHC	6	0	No
5	Mizoram	LAWNGTL	Sangau PHC	5	2	No
6	Mizoram	AIZAWL	Sihphir UPHC	5	0	No
7	Mizoram	MAMIT	W.Phaileng PHC	5	0	No
8	Mizoram	AIZAWL	Chawlhhmun UPHC	5	1	No
9	Mizoram	SAITUAL	Phullen PHC	5	0	No
10	Mizoram	AIZAWL	Sialsuk PHC	4	15	No
11	Mizoram	LUNGLEI	Hrangchalkawn UHC	4	4	No
12	Mizoram	LAWNGTL	S. Lungpher PHC	4	0	No
13	Mizoram	MAMIT	Kawrtethawveng PHC	4	2	No
14	Mizoram	CHAMPHA	Hnahlan PHC	4	2	No
15	Mizoram	KOLASIB	Lungdai PHC	4	2	No
16	Mizoram	MAMIT	Phuldungsei PHC	4	2	No
17	Mizoram	KHAWZAW	Sialhawk PHC	4	2	No
18	Mizoram	KHAWZAW	Rabung PHC	4	0	No
19	Mizoram	MAMIT	Reiek PHC	4	0	No
20	Mizoram	LAWNGTL	Bungtlang S Adik	4	2	No
21	Mizoram	KHAWZAW	Kawlkulh PHC	4	2	No
22	Mizoram	SERCHHIP	N.Vanlaiphai PHC	3	0	No
23	Mizoram	SAITUAL	Phuaibuang PHC	3	0	No
24	Mizoram	LUNGLEI	Tawipui S PHC	3	2	No
25	Mizoram	LUNGLEI	Bunghmun S PHC	3	0	No
26	Mizoram	SAITUAL	NE Khawdungsei PHC	3	2	No

Color Brac	Range	Inconsister	Probable Reporting Error
	>= 50%	0	0
	25 - 50%	0	0
	10 - 25%	2	4
	5 - 10%	20	2
	< 5%	45	61
	Total Facili	67	67



7.3. Sheet 3: Facility-wise Inconsistencies

This sheet (Figure 6) provides the list of the validation checks which were found to be inconsistent separately for each facility. The facility names are displayed in the 1st row. Along with the checks, it also shows the value provided in the HMIS data for the relevant indicator in parenthesis. Facilities which do not have any error is not displayed here.

Figure 6: Snapshot of the facility-wise inconsistencies sheet in the output file generated from validation tool

Facility-wise inconsistencie	0	1	2	3	4	5	6	7
Facility Name/ Block/ Sub-District/ District/ State	Aizawl Civil	KOLASIB DI	District Hos	Hnahthial D	LUNGLEI DI	SERCHHIP D	CHAMPHAI	MAMIT DIS
Inconsistent	7	5	4	4	4	4	3	3
Checks (Inconsistent)	(5.0) <=3.1	(38.0) <=1	(0.0) <=1.1	(0.0) <=3.1	(45.0) <=1	(47.0) <=1	(1.0) <=1.1	(1.0) <=1.1
	14.6.1 (20	3.1.1 (0.0	1.6.1.a (0.	14.6.1 (18	3.1.1 (4.0	3.1.1 (0.0	1.6.1.a (17	1.6.1.a (35
	14.6.2 (6.(	14.6.4 (6.(	3.1.1 (0.0	14.6.2 (2.(	5.2+ (15.0	14.6.6 (0.(	3.1.1 (0.0	3.1.1 (1.0
	14.6.3 (5.(	14.7 (1.0)	14.2.1 (14	14.6.4 (1.(	15.3.3c (8	14.8.3 (27.0) <=14.8.1	(7.0)	
	14.6.4 (7.(	14.18 (0.0) <=14.8.6	(76.0)					
	14.6.5 (2.0) <=14.5	(0.0)						
	14.6.6 (7.0) <=14.5	(0.0)						

7.4. Sheet 4: Facility-wise PRE

Similar to the Sheet 3 (Facility-wise inconsistencies), this sheet (Figure 7) provides the list of the validation checks which were found to be PRE separately for each facility. The facility names are displayed in the 1st row. Along with the checks, it also shows the value provided in the HMIS data for the relevant indicator in parenthesis. Facilities which do not have any error is not displayed here.

Figure 7: Snapshot of the facility-wise PRE sheet in the output file generated from validation tool

Facility-wise PRE	0	1	2	3	4	5	6	7
ame/ Block/ Sub-District/ Distri	Aizawl Civil	KOLASIB DI	District Hos	Hnahthial D	LUNGLEI DI	SERCHHIP D	CHAMPHAI	MAMIT DIS
Probable Reporting Error	2	2	15	4	2	2	3	2
Checks (PRE)	.0) <=2.1 (2	.0) <=2.1 (0	.0) <=2.1 (	0.0) <=2.1	0.0) <=2.1 (	.0) <=2.1 (	3.0) >=1.4.	.0) <=2.1 (
	6.4 (0.0) <	6.4 (0.0) <	6.4 (0.0) <	6.4 (0.0) <	6.4 (0.0) <	6.4 (0.0) <	6.3 (0.0) <	6.4 (0.0) <
			9.1.1 (nan	9.6.2 (nan) <=9.1.1 (7.0) +9.1.2 (			6.4 (0.0) <=2.1 (69.0)	
			9.1.2 (nan	9.7.3 (nan) <=9.7.2 (0.0)				
			9.1.9 (nan) <=4.1.1.a (6.0) +4.1.1.b (4.0)					
			9.1.13 (nan) <=4.1.1.a (6.0) +4.1.1.b (4.0)					
			14.3.3 (nan) <=14.3.1.a (13.0) +14.3.1.b (288.0) +14.3.2.a (9.0) +14					

7.5. Sheet 5: Validation rule-wise summary

This sheet (Figure 8) provides a count of number of facilities by each validation rule and reports separately in two columns, namely, “Inconsistent” and “Probable Reporting Error”. The values in each cell of columns “Inconsistent” and “Probable Reporting Error” are further hyperlinked which helps user to deep dive-in into the details of the error. Clicking on a cell value in the “Inconsistent” column, the user is taken to “Inconsistency-wise facilities” sheet where the user can see the names of the facilities reporting error in that specific validation rule. Similarly, clicking a cell value in the “Probable Reporting Error”, it takes the user to “PRE-wise facilities” sheet where one can see the list of facilities having that specific PRE. Additionally, the tool computes error rate separately for inconsistencies and PRE and accordingly, the validation rules in this sheet are colour coded. Five colour coding groups are used indicate the magnitude of errors: <5% (green), 5-10% (light green), 10-25% (light yellow), 25-50% (orange) and >= 50% (red). These percentages are arrived at by dividing the number of facilities reporting errors (inconsistencies or PRE) for a specific validation rule by the total number of facilities. A summary table is also provided alongside which shows number of facilities falling into different error buckets (colour groups).

Figure 8: Snapshot of the validation rule-wise summary sheet in the output file generated from validation tool

Validation Rule Wise Summary

Sr. No	Conditions	Description	Inconsistent	Probable Reporting Error
0	3.1.1<=3.1	C-sections, performed at	11	0
1	1.6.1.a<=1.1	Number of Pregnant wom	8	0
2	14.6.4<=14.5	Emergency - Snake Bite<=	3	0
3	1.5.1<=1.1	Number of PW tested for	3	0
4	14.6.1<=14.5	Emergency - Trauma (acc	2	0
5	14.6.2<=14.5	Emergency - Burn<= Patie	2	0
6	14.6.6<=14.5	Emergency - CVA (Cerebc	2	0
7	15.3.3.c<=15.3.3.b	out of the above, Numbe	1	0
8	14.6.3<=14.5	Emergency - Obstetrics co	1	0
9	14.6.5<=14.5	Emergency - Acute Caridia	1	0

Color Brack	Range	Inconsisten	Probable Reporting Error
	>= 25%	4	2
	10 - 25%	3	0
	5 - 10%	9	17
	< 5%	71	68
	Total Indica	87	87

7.6. Sheet 6: Inconsistency-wise facilities

This sheet (Figure 9) provides the list of the facilities which were found to have inconsistencies separately for each validation check. The validation rules are displayed in first two rows. The sheet also shows the count of facilities having the specific inconsistency.

Figure 9: Snapshot of the Inconsistency-wise facilities sheet in the output file generated from validation tool

Inconsistency-wise facilities	0	1	2	3	4	5	6	7
Conditions	3.1.1<=3.1	1.6.1.a<=1.	14.6.4<=14	1.5.1<=1.1	14.6.1<=14	14.6.2<=14	14.6.6<=14	15.3.3.c<=1
Description	C-sections,	Number of	Emergency	Number of	Emergency	Emergency	Emergency	out of the a
Inconsistent	11	8	3	3	2	2	2	1
Facilities(Name) Showing Inconsistent	District Hos	District Hos	Aizawl Civil	District Hos	Aizawl Civil	Aizawl Civil	Aizawl Civil	LUNGLEI DI
	Aizawl Civil	CHAMPHAI	Hnahthial D	CHAMPHAI	Hnahthial D	Hnahthial D	SERCHHIP DH	
	CHAMPHAI	Khawzawl D	KOLASIB DH	MAMIT DIST HOSPITAL				
	Hnahthial D	KOLASIB DH						
	Khawzawl D	LAWNGTLAI DH						

7.7. Sheet 7: PRE-wise facilities

This sheet (Figure 10) provides the list of the facilities which were found to have PREs separately for each validation check. The validation rules are displayed in first two rows. A count of facilities having the specific PREs is shown in next row.

Figure 10: Snapshot of the PRE-wise facilities sheet in the output file generated from validation tool

PRE-wise facilities	18	19	64	73	75	76	84	85
Conditions	14.3.3<=14	14.4.1<=14	1.2.4<=1.1	9.1.13<=4.1	9.1.2<=4.1.	9.1.1<=4.1.	6.4<=2.1	6.3<=2.1
Description	Number of	Inpatient - I	Number of	Child immu	Child immu	Child immu	Number of	Number of
Probable Reporting Error	1	1	1	1	1	1	11	11
ilities (Name) Showing Probable Reporting Er	District Hos	District Hos	LAWNGTLA	District Hos	District Hos	District Hos	District Hos	District Hos
							Aizawl Civil	Aizawl Civil
							CHAMPHAI	CHAMPHAI
							Hnahthial D	Hnahthial D
							Khawzawl D	Khawzawl D

Annexure 1: Validation rules indicating conditions for PRE at HSC level

Sr. No.	Validation Rule & Description	LHS	RHS
PRE is reported when: • *LHS is missing and RHS is non-missing or vice versa (i.e., RHS is missing and LHS is non-missing or vice versa)* • *LHS is less than 50% of RHS*			
1)	Number of mothers provided full course of 180 IFA tablets after delivery <= Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) + Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.) + Number of Institutional Deliveries conducted	4.3	2.1.1.a +2.1.1.b + 2.2
2)	Number of PW received 4 or more ANC check-ups<=Total number of pregnant women registered for ANC	1.2.7	1.1
3)	Number of new-borns received 7 Home Based New-born Care (HBNC) visits in case of Home delivery<=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.)	2.1.3	2.1.1.a + 2.1.1.b
4)	Number of new-borns received 6 HBNC visits after Institutional Delivery<=Number of Institutional Deliveries conducted	2.2.2	2.2
5)	Number of mothers provided 360 Calcium tablets after delivery<=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.) +Number of Institutional Deliveries conducted	4.4	2.1.1.a+2.1.1.b+ 2.2
PRE is reported when LHS is missing and RHS is non-missing			
6)	Out of the total ANC registered, number registered within 1st trimester (within 12 weeks) <=Total number of pregnant women registered for ANC	1.1.1	1.1
7)	Out of the new cases of PW with hypertension detected, cases managed at institution <=New cases of PW with hypertension detected	1.3.1.a	1.3.1
8)	Out of the above, Number of PW found sero-positive for Syphilis<=Number of PW tested using POC test for Syphilis	1.5.1.b	1.5.1.a
9)	Number of PW tested using POC test for Syphilis<=Total number of pregnant women registered for ANC	1.5.1.a	1.1
10)	Number of PW given Tablet Misoprostol during home delivery<=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.)	2.1.2	2.1.1.a+2.1.1.b
11)	Child immunisation - Vitamin K1 (Birth Dose) <=Live Birth – Male + Live Birth – Female	6.1.1	3.1.1.a+3.1.1.b

12)	Child immunisation - OPV 0 (Birth Dose) <=Live Birth – Male + Live Birth – Female	6.1.9	3.1.1.a+3.1.1.b
13)	Child immunisation - Hepatitis-B0 (Birth Dose) <=Live Birth – Male + Live Birth – Female	6.1.13	3.1.1.a+3.1.1.b
14)	Out of total institutional deliveries number of women discharged within 48 hours of delivery<=Number of Institutional Deliveries conducted	2.2.1	2.2
15)	Number of Preterm new-borns (< 37 weeks of pregnancy) <=Live Birth – Male + Live Birth – Female	3.1.2	3.1.1.a+3.1.1.b
16)	Number of new-borns weighed at birth<=Live Birth – Male + Live Birth – Female	3.3.1	3.1.1.a+3.1.1.b
17)	Number of new-borns having weight less than 2.5 kg<=Number of new-borns weighed at birth	3.3.2	3.3.1
18)	Number of new-borns breast fed within 1 hour of birth<=Live Birth – Male + Live Birth – Female	3.3.3	3.1.1.a+3.1.1.b
19)	Women receiving 1st post-partum check-up within 48 hours of home delivery<=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.)	4.1	2.1.1.a+2.1.1.b
20)	Number of Post-Partum (within 48 hours of delivery) IUCD insertions<=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.) +Number of Institutional Deliveries conducted (Including C-Sections)	5.2	2.1.1.a+2.1.1.b+ 2.2
21)	Children aged between 9 and 11 months fully immunized-Male + Children aged between 9 and 11 months fully immunized - Female<=Child immunisation (9-11months) - Measles & Rubella (MR) 1st dose & Child immunisation (9-11months) - Measles 1st dose	6.2.4.a+6.2.4.b	6.2.1+6.2.2
22)	Number of cases of AEFI - Abscess<=Number of children immunized (Vitamin K (Birth Dose)+ BCG+ DPT1+DPT2+DPT3+Pentavalent 1+Pentavalent 2+Pentavalent 3+Hepatitis-B0 (Birth Dose)+ Hepatitis-B1+Hepatitis-B2+Hepatitis-B3+Inactivated Injectable Polio Vaccine 1 (IPV 1)+ Inactivated Injectable Polio Vaccine 2 (IPV 2)+ Rotavirus 1+Rotavirus 2+Rotavirus 3+Measles & Rubella (MR)/ Measles containing vaccine(MCV) - 1st Dose+ (9-11months) - Measles 1st dose+(9-11months) - JE 1st dose+(after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose+(after 12 months) - Measles-1st dose+(after 12 months) - JE 1st dose + Measles & Rubella (MR)- 2nd Dose (16-24 months)+ Measles 2nd dose (More than 16 months)+ DPT 1st Booster+ Measles, Mumps, Rubella (MMR) Vaccine + Number of children more than 16 months of age who received Japanese Encephalitis (JE) vaccine +Typhoid + Children more than	6.6.1	6.1.1+6.1.2+6.1.3+6.1.4+6.1.5+6.1.6+6.1.7+6.1.8+6.1.13+6.1.14+6.1.15+6.1.16+6.1.17+6.1.18+6.1.19+6.1.20+6.1.21+6.2.1+6.2.2+6.2.3+6.3.1+6.3.2+6.3.3+6.4.1+6.4.2+6.4.3+6.4.5+6.4.6+6.5.1+6.5.2+6.5.3+6.5.4

	5 years received DPT5 (2nd Booster)+ Children more than 10 years received TT10/ Td10+Children more than 16 years received TT16/ Td16)		
23)	Number of cases of AEFI - Death<= Number of children immunized (Vitamin K (Birth Dose)+ BCG+ DPT1+DPT2+DPT3+Pentavalent 1+Pentavalent 2+Pentavalent 3+Hepatitis-B0 (Birth Dose)+ Hepatitis-B1+Hepatitis-B2+Hepatitis-B3+Inactivated Injectable Polio Vaccine 1 (IPV 1)+ Inactivated Injectable Polio Vaccine 2 (IPV 2)+ Rotavirus 1+Rotavirus 2+Rotavirus 3+Measles & Rubella (MR)/ Measles containing vaccine(MCV) - 1st Dose+ (9-11months) - Measles 1st dose+(9-11months) - JE 1st dose+(after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose+(after 12 months) - Measles-1st dose+(after 12 months) - JE 1st dose + Measles & Rubella (MR)- 2nd Dose (16-24 months)+ Measles 2nd dose (More than 16 months)+ DPT 1st Booster+ Measles, Mumps, Rubella (MMR) Vaccine + Number of children more than 16 months of age who received Japanese Encephalitis (JE) vaccine + Typhoid +Children more than 5 years received DPT5 (2nd Booster)+ Children more than 10 years received TT10/ Td10+Children more than 16 years received TT16/ Td16)	6.6.2<=	6.1.1+6.1.2+6.1.3+6.1.4+6.1.5+6.1.6+6.1.7+6.1.8+6.1.13+6.1.14+6.1.15+6.1.16+6.1.17+6.1.18+6.1.19+6.1.20+6.1.21+6.2.1+6.2.2+6.2.3+6.3.1+6.3.2+6.3.3+6.4.1+6.4.2+6.4.3+6.4.5+6.4.6+6.5.1+6.5.2+6.5.3+6.5.4
24)	Number of cases of AEFI - Others<= Number of children immunized (Vitamin K (Birth Dose)+ BCG+ DPT1+DPT2+DPT3+Pentavalent 1+Pentavalent 2+Pentavalent 3+Hepatitis-B0 (Birth Dose)+ Hepatitis-B1+Hepatitis-B2+Hepatitis-B3+Inactivated Injectable Polio Vaccine 1 (IPV 1)+ Inactivated Injectable Polio Vaccine 2 (IPV 2)+ Rotavirus 1+Rotavirus 2+Rotavirus 3+Measles & Rubella (MR)/ Measles containing vaccine(MCV) - 1st Dose+ (9-11months) - Measles 1st dose+(9-11months) - JE 1st dose+(after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose+(after 12 months) - Measles-1st dose+(after 12 months) - JE 1st dose + Measles & Rubella (MR)- 2nd Dose (16-24 months)+ Measles 2nd dose (More than 16 months)+ DPT 1st Booster+ Measles, Mumps, Rubella (MMR) Vaccine + Number of children more than 16 months of age who received Japanese Encephalitis (JE) vaccine + Typhoid +Children more than 5 years received DPT5 (2nd Booster)+ Children more than 10 years received TT10/ Td10+Children more than 16 years received TT16/ Td16)	6.6.3	6.1.1+6.1.2+6.1.3+6.1.4+6.1.5+6.1.6+6.1.7+6.1.8+6.1.13+6.1.14+6.1.15+6.1.16+6.1.17+6.1.18+6.1.19+6.1.20+6.1.21+6.2.1+6.2.2+6.2.3+6.3.1+6.3.2+6.3.3+6.4.1+6.4.2+6.4.3+6.4.5+6.4.6+6.5.1+6.5.2+6.5.3+6.5.4
25)	Number of Immunisation sessions where ASHAs were present<=Immunisation sessions held	6.7.3	6.7.2
26)	Out of the total number of Hb tests done, Number having Hb < 7 mg <=Number of Hb tests conducted	10.1.2	10.1.1
27)	out of the above, Number screened positive<=Number of Pregnant Women screened for HIV	10.2.1.b	10.2.1.a

28)	Malaria (RDT) - Plasmodium Vivax test positive<=RDT conducted for Malaria	8.1.1.b	8.1.1.a
29)	Malaria (RDT) - Plasmodium Falciparum test positive<=RDT conducted for Malaria	8.1.1.c	8.1.1.a
PRE is reported when LHS is non-missing and RHS is missing			
30)	Live Birth – Male + Live Birth – Female + Still Birth>=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.) +Number of Institutional Deliveries conducted	3.1.1.a+3.1.1.b+3.1.3	2.1.1.a+2.1.1.b+2.2
31)	Allopathic- Outpatient attendance + Ayush - Outpatient attendance >= Outpatient – Diabetes + Outpatient – Hypertension + Outpatient - Stroke (Paralysis)+ Outpatient - Acute Heart Diseases + Outpatient - Mental illness + Outpatient - Epilepsy+ Outpatient - Ophthalmic Related+ Outpatient - Dental	9.2.1+9.2.2	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8

Annexure 2: Validation rules indicating conditions for PRE at PHC level

Sr. No.	Validation Rule & Description	LHS	RHS
PRE is reported when: • *LHS is missing and RHS is non-missing or vice versa (i.e., RHS is missing and LHS is non-missing or vice versa)* • *LHS is less than 50% of RHS*			
1)	Number of PW given 180 Iron Folic Acid (IFA) tablets <=Total number of pregnant women registered for ANC	1.2.4	1.1
2)	Number of PW given 360 Calcium tablets <=Total number of pregnant women registered for ANC	1.2.5	1.1
3)	Number of PW received 4 or more ANC check-ups<=Total number of pregnant women registered for ANC	1.2.7	1.1
4)	Number of new-borns received 7 Home Based New-born Care (HBNC) visits in case of Home delivery<=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.)	2.1.3	2.1.1.a+2.1.1.b
5)	No. of PW having severe anaemia (Hb<7) treated could be greater than No. of PW having severe anaemia (Hb<7) tested cases	1.4.4	1.4.3
6)	Number of mothers provided full course of 180 IFA tablets after delivery<=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant(TBA) /Relatives/etc.)+Number of Institutional Deliveries conducted (Including C-Sections)	6.3	2.1.1.a+2.1.1.b+ 2.2
7)	Number of mothers provided 360 Calcium tablets after delivery<=Number of Home Deliveries attended by Skill Birth Attendant(SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant(TBA) /Relatives/etc.)+Number of Institutional Deliveries conducted (Including C-Sections)	6.4	2.1.1.a+2.1.1.b+ 2.2
PRE is reported when LHS is missing and RHS is non-missing			
8)	Child immunisation - Vitamin K (Birth Dose) <= Live Birth – Male + Live Birth - Female	9.1.1	4.1.1.a+4.1.1.b
9)	Out of the total ANC registered, number registered within 1st trimester (within 12 weeks)<=Total number of pregnant women registered for ANC	1.1.1	1.1
10)	Number of PW given Tablet Misoprostol during home delivery<=Number of Home Deliveries attended by Skill Birth Attendant(SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant(TBA) /Relatives/etc.)	2.1.2	2.1.1.a+2.1.1.b
11)	Out of total institutional deliveries number of women discharged within 48 hours of delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	2.2.1	2.2
12)	Number of Eclampsia cases managed during delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	2.2	1.3.2

13)	Number of PW tested for Blood Sugar using OGTT (Oral glucose tolerance test)<=Total number of pregnant women registered for ANC	1.5.1	1.1
14)	Number of PW tested positive for GDM<=Number of PW tested for Blood Sugar using OGTT (Oral glucose tolerance test)	1.5.2	1.5.1
15)	Number of PW given insulin out of total tested positive for GDM<=Number of PW tested positive for GDM	1.5.3	1.5.2
16)	Number of Pregnant women tested for Syphilis<=Total number of pregnant women registered for ANC	1.6.1.a	1.1
17)	Number of Pregnant women tested found sero-positive for Syphilis<=Number of Pregnant women tested for Syphilis	1.6.1.b	1.6.1.a
18)	Number of Syphilis positive pregnant women treated for Syphilis<=Number of Pregnant women tested found sero-positive for Syphilis	1.6.1.c	1.6.1.b
19)	Number of babies treated for congenital Syphilis<=Number of babies diagnosed with congenital Syphilis	1.6.1.e	1.6.1.d
20)	C-sections, performed at night (8 PM- 8 AM)<=Total C -Section deliveries performed	3.1.1	3.1
21)	Total C -Section deliveries performed<=Number of Institutional Deliveries conducted (Including C-Sections)	3.1	2.2
22)	Number of Pre-term new-borns (< 37 weeks of pregnancy)<=Live Birth – Male + Live Birth – Female	4.1.2	4.1.1.a+4.1.1.b
23)	Post Abortion/ MTP Complications Identified<=MTP up to 12 weeks of pregnancy + MTP more than 12 weeks of pregnancy + Abortion (spontaneous)	4.3.2.a	4.3.1.a+4.3.1.b+ 4.2
24)	Post Abortion/ MTP Complications Treated<=Post Abortion/ MTP Complications Identified	4.3.2.b	4.3.2.a
25)	Number of women provided with post abortion/ MTP contraception <=MTP up to 12 weeks of pregnancy + MTP more than 12 weeks of pregnancy + Abortion (spontaneous)	4.3.3	4.3.1.a+4.3.1.b+ 4.2
26)	Number of new-borns weighed at birth<=Live Birth – Male + Live Birth - Female	4.4.1	4.1.1.a+4.1.1.b
27)	Number of new-borns having weight less than 2.5 kg<=Number of new-borns weighed at birth	4.4.2	4.4.1
28)	Number of New-borns breast fed within 1 hour of birth <=Live Birth – Male + Live Birth - Female	4.4.3	4.1.1.a+4.1.1.b
29)	Women receiving 1st post-partum check-up within 48 hours of home delivery<=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant(TBA) /Relatives/etc.)	6.1	2.1.1.a+2.1.1.b
30)	RTI/STI for which treatment initiated - Male<=New RTI/STI cases identified - Male	7.2.1	7.1.1
31)	RTI/STI for which treatment initiated -Female<=New RTI/STI cases identified - Female	7.2.2	7.1.2
32)	Number of Post-Partum sterilizations (within 7 days of delivery by minilap or concurrent with caesarean section) conducted<=Number of Institutional Deliveries conducted (Including C-Sections)	8.2.3	2.2
33)	Number of Post-Partum (within 48 hours of delivery) IUCD insertions<=Number of Home Deliveries attended by Skill Birth	8.4	2.1.1.a+2.1.1.b+ 2.2

	Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by Non-SBA (Trained Birth Attendant (TBA) /Relatives/etc.)+Number of Institutional Deliveries conducted (Including C-Sections)		
34)	Number of complications following IUCD Insertion<=Number of Interval IUCD Insertions (excluding PPIUCD and PAIUCD)+ Number of post-partum (within 48 hours of delivery) IUCD insertion +Number of post abortion (with 12 days of spontaneous or surgical abortions) IUCD incretion	8.7	8.3+8.4+8.5
35)	Complications following male sterilization<=Number of Non-Scalpel Vasectomy (NSV) / Conventional Vasectomy conducted	8.17.1	8.1.1
36)	Complications following female sterilization<=Number of Laparoscopic sterilizations (excluding post abortion) conducted + Number of Interval Mini-lap (other than post-partum and post abortion) sterilizations conducted + Number of Post-Partum sterilizations (within 7 days of delivery by minilap or concurrent with caesarean section) conducted + Number of Post Abortion sterilizations (within 7 days of spontaneous or surgical abortion) conducted	8.17.2	8.2.1+8.2.2+8.2.3+8.2.4
37)	Child immunisation - OPV 0 (Birth Dose)<=Live Birth – Male + Live Birth - Female	9.1.9	4.1.1.a+4.1.1.b
38)	Child immunisation - Hepatitis-B0 (Birth Dose)<=Live Birth – Male + Live Birth - Female	9.1.13	4.1.1.a+4.1.1.b
39)	Children aged between 9 and 11 months fully immunized- Male + Children aged between 9 and 11 months fully immunized - Female<=Child immunisation (9-11months) - Measles & Rubella (MR) 1st dose & Child immunisation (9-11months) - Measles 1st dose	9.2.4.a+9.2.4.b	9.2.1+ 9.2.2
40)	Kala Azar Positive Cases<=Kala Azar (RDT) - Tests Conducted	11.2.2	11.2.1
41)	Out of registered, Girls received clinical services<=Girls registered in AFHC	12.1.2.a	12.1.1.a
42)	Out of registered, Boys received clinical services<=Boys registered in AFHC	12.1.2.b	12.1.1.b
43)	Out of registered, Girls received counselling<=Girls registered in AFHC	12.1.3.a	12.1.1.a
44)	Out of registered, Boys received counselling<=Boys registered in AFHC	12.1.3.b	12.1.1.b
45)	Number of Left Against Medical Advice (LAMA) cases<=Male Admissions +Female Admissions	14.3.3	14.3.1.a+ 14.3.1.b+ 14.3.2.a+14.3.2.b
46)	Out of Operation major, Gynaecology- Hysterectomy surgeries<=Operation major (General and spinal anaesthesia)	14.5.2	14.5.1
47)	out of the above, Number screened positive<=Number of Pregnant Women screened for HIV	15.3.3.b	15.3.3.a
48)	number positive for HIV (Number confirmed positive at ICTCs)<=out of the above, Number screened positive	15.3.3.c	15.3.3.b
49)	Widal tests - Number Positive<=Widal tests - Number Tested	15.4.2	15.4.1
50)	Number of cases of AEFI - Abscess<=Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 +	9.6.1	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8

	Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)-1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)		+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
51)	Number of cases of AEFI - Death<= Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)-1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)	9.6.2	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
52)	Number of cases of AEFI - Others<= Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)-1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)	9.6.3	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
53)	Out of the new cases of PW with hypertension detected, cases managed at institution <=New cases of PW with hypertension detected	1.3.1.a	1.3.1
54)	Immunisation sessions held <=Immunisation sessions planned	9.7.2	9.7.1
55)	Number of Immunisation sessions where ASHAs were present<=Immunisation sessions held	9.7.3	9.7.2
56)	Malaria (Microscopy Tests) - Plasmodium Falciparum test positive<=Total Blood Smears Examined for Malaria	11.1.1.b	11.1.1.a
57)	Malaria (Microscopy Tests) - Plasmodium Falciparum test positive<=Total Blood Smears Examined for Malaria	11.1.1.c	11.1.1.a
58)	Malaria (RDT) - Plasmodium Vivax test positive<=RDT conducted for Malaria	11.1.2.b	11.1.1.a

59)	Malaria (RDT) - Plasmodium Falciparum test positive<=RDT conducted for Malaria	11.1.2.c	11.1.2.a
60)	Inpatient - Malaria <=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.1	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
61)	Inpatient - Dengue<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.2	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
62)	Inpatient - Typhoid<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.3	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
63)	Inpatient - Asthma, Chronic Obstructive Pulmonary Disease (COPD), Respiratory infections<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.4	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
64)	Inpatient - Tuberculosis<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.5	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
65)	Inpatient - Pyrexia of unknown origin (PUO)<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.6	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
66)	Inpatient - Diarrhoea with dehydration<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.7	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
67)	Inpatient - Hepatitis<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.8	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
68)	Inpatient Deaths - Male<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.6.1	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
69)	Inpatient Deaths - Female<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults + Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.6.2	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
70)	Number of children discharged with target weight gain from the NRCs<=Number of children admitted in NRC	14.9.2	14.9.1
71)	Out of the total number of Hb tests done, Number having Hb < 7 mg<=Number of Hb tests conducted	15.2.2	15.2.1
72)	Male HIV - Number Positive<=Male HIV - Number Tested	15.3.1.b	15.3.1.a
73)	Female Non-ANC HIV - Number Positive<=Female Non-ANC HIV - Number Tested	15.3.2.b	15.3.2.a
74)	Number of Male STI/RTI attendees found sero-positive for syphilis<=Number of Male STI/RTI attendees tested for syphilis	15.3.4.b	15.3.4.a
75)	Number of Female (Non-ANC) STI/RTI attendees found sero-positive for syphilis<=Number of Female (Non-ANC)STI/RTI attendees tested for syphilis	15.3.4.d	15.3.4.c
76)	Child immunisation - BCG<=Live Birth – Male + Live Birth - Female	9.1.2	4.1.1.a+4.1.1.b
PRE is reported when LHS is non-missing and RHS is missing			
77)	Live Birth – Male + Live Birth - Female+ Still Birth>=Number of Home Deliveries attended by Skill Birth Attendant (SBA) (Doctor/Nurse/ANM) +Number of Home Deliveries attended by	4.1.1.a+4.1.1.b+4.1.3	2.1.1.a+2.1.1.b+2.2

	Non-SBA (Trained Birth Attendant(TBA) /Relatives/etc.)+Number of Institutional Deliveries conducted (Including C-Sections)		
78)	Allopathic- Outpatient attendance+ Ayush - Outpatient attendance >= Outpatient (Diabetes + Hypertension + Stroke (Paralysis) + Acute Heart Diseases + Mental illness + Epilepsy + Ophthalmic Related + Dental)	14.2.1+14.2.2	14.1.1+14.1.2+14.1.3+14.1.4+14.1.5+14.1.6+14.1.7+14.1.8

Annexure 3: Validation rules indicating conditions for PRE at CHC level

Sr. No.	Validation Rule & Description	LHS	RHS
PRE is reported when: • *LHS is missing and RHS is non-missing or vice versa (i.e., RHS is missing and LHS is non-missing or vice versa)* • *LHS is less than 50% of RHS*			
1)	Number of PW given 180 Iron Folic Acid (IFA) tablets <=Total number of pregnant women registered for ANC	1.2.4	1.1
2)	Number of PW given 360 Calcium tablets <=Total number of pregnant women registered for ANC	1.2.5	1.1
3)	Number of PW received 4 or more ANC check ups<=Total number of pregnant women registered for ANC	1.2.7	1.1
4)	No. of PW having severe anaemia (Hb<7) treated could be greater than No. of PW having severe anaemia (Hb<7) tested cases	1.4.4	1.4.3
5)	Number of mothers provided full course of 180 IFA tablets after delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	6.3	2.1
6)	Number of mothers provided 360 Calcium tablets after delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	6.4	2.1
PRE is reported when LHS is missing and RHS is non-missing			
7)	Out of the ANC registered, number registered with in 1st trimester (Within 12 weeks) <=Total number of pregnant women registered for ANC	1.1.1	1.1
8)	Male HIV Number Positive <= Male HIV - Number Tested	15.3.1.b	15.3.1.a
9)	Out of the new cases of PW with hypertension detected, cases managed at institution<=New cases of PW with hypertension detected	1.3.1.a	1.3.1
10)	Number of Eclampsia cases managed during delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	2.1	1.3.2
11)	Number of PW tested positive for GDM<=Number of PW tested for Blood Sugar using OGTT (Oral glucose tolerance test)	1.5.2	1.5.1
12)	Number of PW tested for Blood Sugar using OGTT (Oral glucose tolerance test)<=Total number of pregnant women registered for ANC	1.5.1	1.1
13)	Number of PW given insulin out of total tested positive for GDM<=Number of PW tested positive for GDM	1.5.3	1.5.2
14)	Number of Pregnant women tested found sero positive for Syphilis<=Number of Pregnant women tested for Syphilis	1.6.1.b	1.6.1.a
15)	Number of Pregnant women tested for Syphilis<=Total number of pregnant women registered for ANC	1.6.1.a	1.1
16)	Number of Syphilis positive pregnant women treated for Syphilis<=Number of Pregnant women tested found sero positive for Syphilis	1.6.1.c	1.6.1.b
17)	Number of babies treated for congenital Syphilis<=Number of babies diagnosed with congenital Syphilis	1.6.1.e	1.6.1.d

18)	Out of total institutional deliveries number of women discharged within 48 hours of delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	2.1.1	2.1
19)	Total C -Section deliveries performed<=Number of Institutional Deliveries conducted (Including C-Sections)	3.1	2.1
20)	C-sections, performed at night (8 PM- 8 AM)<=Total C - Section deliveries performed	3.1.1	3.1
21)	Number of Pre term newborns (< 37 weeks of pregnancy)<=Live Birth - Male+Live Birth - Female	4.1.2	4.1.1.a+4.1.1.b
22)	Post Abortion/ MTP Complications Identified<=MTP up to 12 weeks of pregnancy+MTP more than 12 weeks of pregnancy+Abortion (spontaneous)	4.3.2.a	4.3.1.a+4.3.1.b +4.2
23)	Number of women provided with post abortion/ MTP contraception<=MTP up to 12 weeks of pregnancy+MTP more than 12 weeks of pregnancy+Abortion (spontaneous)	4.3.3	4.3.1.a+4.3.1.b +4.2
24)	Number of newborns weighed at birth<=Live Birth - Male+Live Birth - Female	4.4.1	4.1.1.a+4.1.1.b
25)	Number of newborns having weight less than 2.5 kg<=Number of newborns weighed at birth	4.4.2	4.4.1
26)	Number of Newborns breast fed within 1 hour of birth<=Live Birth - Male+Live Birth - Female	4.4.3	4.1.1.a+4.1.1.b
27)	Number of Complicated pregnancies treated with Blood Transfusion<=Number of cases of pregnant women with Obstetric Complications attended (Antepartum haemorrhage (APH), Post-Partum Hemorrhage (PPH), Sepsis, Eclampsia and others)	5.2	5.1
28)	RTI/STI for which treatment initiated - Male<=New RTI/STI cases identified - Male	7.2.1	7.1.1
29)	RTI/STI for which treatment initiated -Female<=New RTI/STI cases identified - Female	7.2.2	7.1.2
30)	Number of Post Partum sterilizations (within 7 days of delivery by minilap or concurrent with cessarean section) conducted<=Number of Institutional Deliveries conducted (Including C-Sections)	8.2.3	2.1
31)	Number of Post Partum (within 48 hours of delivery) IUCD insertions<=Number of Institutional Deliveries conducted (Including C-Sections)	8.4	2.1
32)	Number of complications following IUCD Insertion<=Number of Interval IUCD Insertions (excluding PPIUCD and PAIUCD)+ Number of post partum (with in 48 hours of delivery) IUCD insertion +Number of post abortion (with 12 days of spontaneous or surgical abortions) IUCD insertion	8.7	8.3+8.4+8.5
33)	Complications following male sterilization<=Number of Non Scalpel Vasectomy (NSV) / Conventional Vasectomy conducted	8.17.1	8.1.1
34)	Complications following female sterilization<=Number of Laparoscopic sterilizations (excluding post abortion) conducted + Number of Interval Mini-lap (other than post-partum and post abortion) sterilizations conducted + Number of Post Partum sterilizations (within 7 days of delivery by minilap or concurrent with cessarean section) conducted + Number of Post	8.17.2	8.2.1+8.2.2+8. 2.3+8.2.4

	Abortion sterilizations (within 7 days of spontaneous or surgical abortion) conducted		
35)	Child immunisation - Vitamin K1(Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.1	4.1.1.a+4.1.1.b
36)	Child immunisation - BCG<=Live Birth - Male+Live Birth - Female	9.1.2	4.1.1.a+4.1.1.b
37)	Child immunisation - OPV-0 (Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.9	4.1.1.a+4.1.1.b
38)	Child immunisation - Hepatitis-B0 (Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.13	4.1.1.a+4.1.1.b
39)	Children aged between 9 and 11 months fully immunized- Male+Children aged between 9 and 11 months fully immunize<=Child immunisation (9-11months) - Measles & Rubella (MR) 1st dose & Child immunisation (9-11months) - Measles 1st dose	9.2.4.a+9.2.4.b	9.2.1+ 9.2.2
40)	Kala Azar Positive Cases<=Kala Azar (RDT) - Tests Conducted	11.2.2	11.2.1
41)	Out of registered, Girls received clinical services<=Girls registered in AFHC	12.1.2.a	12.1.1.a
42)	Out of registered, Boys received clinical services<=Boys registered in AFHC	12.1.2.b	12.1.1.b
43)	Out of registered, Girls received counselling<=Girls registered in AFHC	12.1.3.a	12.1.1.a
44)	Out of registered, Boys received counselling<=Boys registered in AFHC	12.1.3.b	12.1.1.b
45)	Number of Left Against Medical Advice (LAMA) cases<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.3.3	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
46)	Inpatient - Malaria<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.1	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
47)	Inpatient - Typhoid<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.3	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
48)	Inpatient - Asthma, Chronic Obstructive Pulmonary Disease (COPD), Respiratory infections<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.4	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
49)	Inpatient - Tuberculosis<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.5	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
50)	Inpatient - Pyrexia of unknown origin (PUO)<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.6	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
51)	Inpatient - Diarrhea with dehydration<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.7	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
52)	Inpatient - Hepatitis<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.8	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b

53)	Emergency - Trauma (accident, injury, poisoning etc)<= Patients registered at Emergency Department	14.6.1	14.5
54)	Emergency - Burn<= Patients registered at Emergency Department	14.6.2	14.5
55)	Emergency - Obstetrics complications<= Patients registered at Emergency Department	14.6.3	14.5
56)	Emergency - Snake Bite<=Patients registered at Emergency Department	14.6.4	14.5
57)	Emergency - Acute Caridiac Emergencies<= Patients registered at Emergency Department	14.6.5	14.5
58)	Number of deaths occurring at Emergency Department<= Patients registered at Emergency Department	14.7	14.5
59)	Number of children discharged with target weight gain from the NRCs<=Number of children admitted in NRC	14.14.2	14.14.1
60)	Out of the total number of Hb tests done, Number having Hb < 7 mg<=Number of Hb tests conducted	15.2.2	15.2.1
61)	Female Non ANC HIV - Number Positive<=Female Non ANC HIV - Number Tested	15.3.2.b	15.3.2.a
62)	out of the above, Number screened positive<=Number of Pregnant Women screened for HIV	15.3.3.b	15.3.3.a
63)	out of the above, Number screened positive, number confirmed with HIV infection at Integrated Counselling and Testing Centre (ICTC) <=out of the above, Number screened positive	15.3.3.c	15.3.3.b
64)	Widal tests - Number Positive<=Widal tests - Number Tested	15.4.2	15.4.1
65)	Number of cases of AEFI - Abscess<= Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)	9.6.1	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
66)	Number of cases of AEFI - Death<= Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5	9.6.2	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3

	(2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)		+9.4.5+9.4.6+ 9.5.1+9.5.2+9. 5.3+9.5.4
67)	Number of cases of AEFI - Others<= Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)	9.6.3	9.1.1+9.1.2+9. 1.3+9.1.4+9.1. 5+9.1.6+9.1.7 +9.1.8+9.1.13 +9.1.14+9.1.15 +9.1.16+9.1.17 +9.1.18+9.1.19 +9.1.20+9.1.21 +9.2.1+9.2.2+ 9.2.3+9.3.1+9. 3.2+9.3.3+9.4. 1+9.4.2+9.4.3 +9.4.5+9.4.6+ 9.5.1+9.5.2+9. 5.3+9.5.4
68)	Immunisation sessions held <=Immunisation sessions planned	9.7.2	9.7.1
69)	Number of Immunisation sessions where ASHAs were present<=Immunisation sessions held	9.7.3	9.7.2
70)	Malaria (Microscopy Tests) - Plasmodium Vivax test positive<=Total Blood Smears Examined for Malaria	11.1.1.b	11.1.1.a
71)	Malaria (Microscopy Tests) - Plasmodium Falciparum test positive<=Total Blood Smears Examined for Malaria	11.1.1.c	11.1.1.a
72)	Malaria (RDT) - Plasmodium Vivax test positive<=RDT conducted for Malaria	11.1.2.b	11.1.2.a
73)	Malaria (RDT) - Plamodium Falciparum test positive<=RDT conducted for Malaria	11.1.2.c	11.1.2.a
74)	Inpatient Deaths - Male <=Inpatient (Male)-Children<18yrs+Inpatient (Male)	14.9.1	14.3.1.a+14.3. 1.b
75)	Inpatient Deaths - Female<=Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.9.2	14.3.2.a+14.3. 2.b
76)	Number of deaths occurring at SNCU<=Special Newborn Care Unit (SNCU Admissions) - Inborn Male + Special Newborn Care Unit (SNCU Admissions) - Inborn Female + Outborn – Male + Outborn - Female + Number of newborns admitted in SNCU - referred by ASHA	14.13	14.12.1+14.12. 2+14.12.3+14. 12.4+14.12.5
77)	Out of Operation major, Gynecology- Hysterectomy surgeries<=Operation major (General and spinal anaesthesia)	14.8.2	14.8.1
78)	Number of Male STI/RTI attendees found sero Positive for syphilis<=Number of Male STI/RTI attendees tested for syphilis	15.3.4.b	15.3.4.a
79)	Post Abortion/ MTP Complications Treated<=Post Abortion/ MTP Complications Identified	4.3.2.b	4.3.2.a
80)	Inpatient - Dengue<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.2	14.3.1.a+14.3. 1.b+14.3.2.a+1 4.3.2.b
81)	Number of Female (Non ANC) STI/RTI attendees found sero Positive for syphilis<=Number of Female (Non ANC)STI/RTI attendees tested for syphilis	15.3.4.d	15.3.4.c

PRE is reported when LHS is non-missing and RHS is missing			
82)	Allopathic- Outpatient attendance+Ayush - Outpatient attendance >= 14.1.1+14.1.2+14.1.3+14.1.4+14.1.5+14.1.6+14.1.7+14.1.8+14.1.9	14.2.1+14.2.2	14.1.1+14.1.2+14.1.3+14.1.4+14.1.5+14.1.6+14.1.7+14.1.8+14.1.9
83)	Live Birth - Male + Live Birth - Female + Still Birth>=Number of Institutional Deliveries conducted (Including C-Sections)	4.1.1.a+4.1.1.b+4.1.3	2.1

Annexure 4: Validation rules indicating conditions for PRE at SDH level

Sr. No.	Validation Rule & Description	LHS	RHS
PRE is reported when: • *LHS is missing and RHS is non-missing or vice versa (i.e., RHS is missing and LHS is non-missing or vice versa)* • *LHS is less than 50% of RHS*			
1)	Number of PW given 180 Iron Folic Acid (IFA) tablets <=Total number of pregnant women registered for ANC	1.2.4	1.1
2)	Number of PW given 360 Calcium tablets <=Total number of pregnant women registered for ANC	1.2.5	1.1
3)	Number of PW received 4 or more ANC check ups<=Total number of pregnant women registered for ANC	1.2.7	1.1
4)	No. of PW having severe anaemia (Hb<7) treated could be greater than No. of PW having severe anaemia (Hb<7) tested cases	1.4.4	1.4.3
5)	Number of mothers provided full course of 180 IFA tablets after delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	6.3	2.1
6)	Number of mothers provided 360 Calcium tablets after delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	6.4	2.1
PRE is reported when LHS is missing and RHS is non-missing			
7)	Out of the ANC registered, number registered with in 1st trimester(Within 12 weeks)<=Total number of pregnant women registered for ANC	1.1.1	1.1
8)	Male HIV Number Positive <= Male HIV - Number Tested	15.3.1.b	15.3.1.a
9)	Out of the new cases of PW with hypertension detected, cases managed at institution<=New cases of PW with hypertension detected	1.3.1.a	1.3.1
10)	Number of Eclampsia cases managed during delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	2.1	1.3.2
11)	Number of PW tested for Blood Sugar using OGTT (Oral glucose tolerance test)<=Total number of pregnant women registered for ANC	1.5.1	1.1
12)	Number of PW tested positive for GDM<=Number of PW tested for Blood Sugar using OGTT (Oral glucose tolerance test)	1.5.2	1.5.1
13)	Number of PW given insulin out of total tested positive for GDM<=Number of PW tested positive for GDM	1.5.3	1.5.2
14)	Number of Pregnant women tested for Syphilis<=Total number of pregnant women registered for ANC	1.6.1.a	1.1
15)	Number of Pregnant women tested found sero positive for Syphilis<=Number of Pregnant women tested for Syphilis	1.6.1.b	1.6.1.a
16)	Number of Syphilis positive pregnant women treated for Syphilis<=Number of Pregnant women tested found sero positive for Syphilis	1.6.1.c	1.6.1.b
17)	Number of babies treated for congenital Syphilis<=Number of babies diagnosed with congenital Syphilis	1.6.1.e	1.6.1.d

18)	Out of total institutional deliveries number of women discharged within 48 hours of delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	2.1.1	2.1
19)	Total C -Section deliveries performed<=Number of Institutional Deliveries conducted (Including C-Sections)	3.1	2.1
20)	C-sections, performed at night (8 PM- 8 AM)<=Total C - Section deliveries performed	3.1.1	3.1
21)	Number of Pre term newborns (< 37 weeks of pregnancy)<=Live Birth - Male+Live Birth - Female	4.1.2	4.1.1.a+4.1.1.b
22)	Post Abortion/ MTP Complications Identified<=MTP up to 12 weeks of pregnancy+MTP more than 12 weeks of pregnancy+Abortion (spontaneous)	4.3.2.a	4.3.1.a+4.3.1.b+ 4.2
23)	Number of women provided with post abortion/ MTP contraception<=MTP up to 12 weeks of pregnancy+MTP more than 12 weeks of pregnancy+Abortion (spontaneous)	4.3.3	4.3.1.a+4.3.1.b+ 4.2
24)	Number of newborns weighed at birth<=Live Birth - Male+Live Birth - Female	4.4.1	4.1.1.a+4.1.1.b
25)	Number of newborns having weight less than 2.5 kg<=Number of newborns weighed at birth	4.4.2	4.4.1
26)	Number of Newborns breast fed within 1 hour of birth<=Live Birth - Male+Live Birth - Female	4.4.3	4.1.1.a+4.1.1.b
27)	Number of Complicated pregnancies treated with Blood Transfusion<=Number of cases of pregnant women with Obstetric Complications attended (Antepartum haemorrhage (APH), Post-Partum Hemorrhage (PPH), Sepsis, Eclampsia and others)	5.2	5.1
28)	RTI/STI for which treatment initiated - Male<=New RTI/STI cases identified - Male	7.2.1	7.1.1
29)	RTI/STI for which treatment initiated -Female<=New RTI/STI cases identified - Female	7.2.2	7.1.2
30)	Number of Post Partum sterilizations (within 7 days of delivery by minilap or concurrent with cessarean section) conducted<=Number of Institutional Deliveries conducted (Including C-Sections)	8.2.3	2.1
31)	Number of Post Partum (within 48 hours of delivery) IUCD insertions<=Number of Institutional Deliveries conducted (Including C-Sections)	8.4	2.1
32)	Number of complications following IUCD Insertion<=Number of Interval IUCD Insertions (excluding PPIUCD and PAIUCD)+ Number of post partum (with in 48 hours of delivery) IUCD insertion +Number of post abortion (with 12 days of spontaneous or surgical abortions) IUCD incertion	8.7	8.3+8.4+8.5
33)	Complications following male sterilization<=Number of Non Scalpel Vasectomy (NSV) / Conventional Vasectomy conducted	8.17.1	8.1.1
34)	Complications following female sterilization<=Number of Laparoscopic sterilizations (excluding post abortion) conducted + Number of Interval Mini-lap (other than post-partum and post abortion) sterilizations conducted + Number of Post Partum sterilizations (within 7 days of delivery by	8.17.2	8.2.1+8.2.2+8.2. 3+8.2.4

	minilap or concurrent with cessarean section) conducted + Number of Post Abortion sterilizations (within 7 days of spontaneous or surgical abortion) conducted		
35)	Child immunisation - Vitamin K1(Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.1	4.1.1.a+4.1.1.b
36)	Child immunisation - BCG<=Live Birth - Male+Live Birth - Female	9.1.2	4.1.1.a+4.1.1.b
37)	Child immunisation - OPV-0 (Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.9	4.1.1.a+4.1.1.b
38)	Child immunisation - Hepatitis-B0 (Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.13	4.1.1.a+4.1.1.b
39)	Children aged between 9 and 11 months fully immunized- Male+Children aged between 9 and 11 months fully immunize<=Child immunisation (9-11months) - Measles & Rubella (MR) 1st dose & Child immunisation (9-11months) - Measles 1st dose	9.2.4.a+9.2.4.b	9.2.1+ 9.2.2
40)	Kala Azar Positive Cases<=Kala Azar (RDT) - Tests Conducted	11.2.2	11.2.1
41)	Tests Positive for JE<=Tests Conducted for JE	11.4.2	11.4.1
42)	Out of registered, Girls received clinical services<=Girls registered in AFHC	12.1.2.a	12.1.1.a
43)	Out of registered, Boys received clinical services<=Boys registered in AFHC	12.1.2.b	12.1.1.b
44)	Out of registered, Girls received counselling<=Girls registered in AFHC	12.1.3.a	12.1.1.a
45)	Out of registered, Boys received counselling<=Boys registered in AFHC	12.1.3.b	12.1.1.b
46)	Number of Left Against Medical Advice (LAMA) cases<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.3.3	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
47)	Inpatient - Malaria<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.1	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
48)	Inpatient - Typhoid<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.3	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
49)	Inpatient - Asthma, Chronic Obstructive Pulmonary Disease (COPD), Respiratory infections<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.4	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
50)	Inpatient - Tuberculosis<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.5	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
51)	Inpatient - Pyrexia of unknown origin (PUO)<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.6	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
52)	Inpatient - Diarrhea with dehydration<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.7	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b

53)	Inpatient - Hepatitis<=Inpatient (Male)-Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.4.8	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
54)	Emergency - Trauma (accident, injury, poisoning etc)<= Patients registered at Emergency Department	14.6.1	14.5
55)	Emergency - Burn<= Patients registered at Emergency Department	14.6.2	14.5
56)	Emergency - Obstetrics complications<= Patients registered at Emergency Department	14.6.3	14.5
57)	Emergency - Snake Bite<=Patients registered at Emergency Department	14.6.4	14.5
58)	Emergency - Acute Caridiac Emergencies<= Patients registered at Emergency Department	14.6.5	14.5
59)	Emergency - CVA (Cerebovascular Disease)<= Patients registered at Emergency Department	14.6.6	14.5
60)	Number of deaths occurring at Emergency Department<= Patients registered at Emergency Department	14.7	14.5
61)	Number of children discharged with target weight gain from the NRCs<=Number of children admitted in NRC	14.14.2	14.14.1
62)	Out of the total number of Hb tests done, Number having Hb < 7 mg<=Number of Hb tests conducted	15.2.2	15.2.1
63)	Female Non ANC HIV - Number Positive<=Female Non ANC HIV - Number Tested	15.3.2.b	15.3.2.a
64)	out of the above, Number screened positive<=Number of Pregnant Women screened for HIV	15.3.3.b	15.3.3.a
65)	out of the above, Number screened positive, number confirmed with HIV infection at Integrated Counselling and Testing Centre (ICTC) <=out of the above, Number screened positive	15.3.3.c	15.3.3.b
66)	Widal tests - Number Positive<=Widal tests - Number Tested	15.4.2	15.4.1
67)	Number of cases of AEFI - Abscess<= Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)	9.6.1	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
68)	Number of cases of AEFI - Death<= Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) -	9.6.2	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.

	Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)		1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
69)	Number of cases of AEFI - Others<= Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)	9.6.3	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
70)	Immunisation sessions held <=Immunisation sessions planned	9.7.2	9.7.1
71)	Number of Immunisation sessions where ASHAs were present<=Immunisation sessions held	9.7.3	9.7.2
72)	Malaria (Microscopy Tests) - Plasmodium Vivax test positive<=Total Blood Smears Examined for Malaria	11.1.1.b	11.1.1.a
73)	Malaria (Microscopy Tests) - Plasmodium Falciparum test positive<=Total Blood Smears Examined for Malaria	11.1.1.c	11.1.1.a
74)	Malaria (RDT) - Plasmodium Vivax test positive<=RDT conducted for Malaria	11.1.2.b	11.1.2.a
75)	Malaria (RDT) - Plamodium Falciparum test positive<=RDT conducted for Malaria	11.1.2.c	11.1.2.a
76)	Inpatient Deaths - Male <=Inpatient (Male)-Children<18yrs+Inpatient (Male)	14.9.1	14.3.1.a+14.3.1.b
77)	Inpatient Deaths - Female<=Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.9.2	14.3.2.a+14.3.2.b
78)	Number of deaths occurring at SNCU<=Special Newborn Care Unit (SNCU Admissions) - Inborn Male + Special Newborn Care Unit (SNCU Admissions) - Inborn Female + Outborn – Male + Outborn - Female + Number of newborns admitted in SNCU - referred by ASHA	14.13	14.12.1+14.12.2+14.12.3+14.12.4+14.12.5
79)	Out of Operation major, Gynecology- Hysterectomy surgeries<=Operation major (General and spinal anaesthesia)	14.8.2	14.8.1
80)	Number of Male STI/RTI attendees found sero Positive for syphilis<=Number of Male STI/RTI attendees tested for syphilis	15.3.4.b	15.3.4.a

81)	Number of Female (Non ANC) STI/RTI attendees found sero Positive for syphilis<=Number of Female (Non ANC)STI/RTI attendees tested for syphilis	15.3.4.d	15.3.4.c
82)	Post Abortion/ MTP Complications Treated<=Post Abortion/ MTP Complications Identified	4.3.2.b	4.3.2.a
83)	Inpatient - Dengue<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.2	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
PRE is reported when LHS is non-missing and RHS is missing			
84)	Live Birth - Male + Live Birth - Female + Still Birth>=Number of Institutional Deliveries conducted (Including C-Sections)	4.1.1.a+4.1.1.b+4.1.3	2.1
85)	Allopathic- Outpatient attendance+Ayush - Outpatient attendance >= 14.1.1+14.1.2+14.1.3+14.1.4+14.1.5+14.1.6+14.1.7+14.1.8+14.1.9	14.2.1+14.2.2	14.1.1+14.1.2+14.1.3+14.1.4+14.1.5+14.1.6+14.1.7+14.1.8+14.1.9

Annexure 5: Validation rules indicating conditions for PRE at DH level

Sr. No.	Validation Rule & Description	LHS	RHS
PRE is reported when: • *LHS is missing and RHS is non-missing or vice versa (i.e., RHS is missing and LHS is non-missing or vice versa)* • *LHS is less than 50% of RHS*			
1)	Number of PW given 180 Iron Folic Acid (IFA) tablets <=Total number of pregnant women registered for ANC	1.2.4	1.1
2)	Number of PW given 360 Calcium tablets <=Total number of pregnant women registered for ANC	1.2.5	1.1
3)	Number of PW received 4 or more ANC check ups<=Total number of pregnant women registered for ANC	1.2.7	1.1
4)	No. of PW having severe anaemia (Hb<7) treated could be greater than No. of PW having severe anaemia (Hb<7) tested cases	1.4.4	1.4.3
5)	Number of mothers provided full course of 180 IFA tablets after delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	6.3	2.1
6)	Number of mothers provided 360 Calcium tablets after delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	6.4	2.1
PRE is reported when LHS is missing and RHS is non-missing			
7)	Out of the ANC registered, number registered with in 1st trimester(Within 12 weeks)<=Total number of pregnant women registered for ANC	1.1.1	1.1
8)	Male HIV Number Positive <= Male HIV - Number Tested	15.3.1.b	15.3.1.a
9)	Out of the new cases of PW with hypertension detected, cases managed at institution<=New cases of PW with hypertension detected	1.3.1.a	1.3.1
10)	**Number of Eclampsia cases managed during delivery<=Number of Institutional Deliveries conducted (Including C-Sections)**	2.1	1.3.2
11)	Number of PW tested for Blood Sugar using OGTT (Oral glucose tolerance test)<=Total number of pregnant women registered for ANC	1.5.1	1.1
12)	Number of PW tested positive for GDM<=Number of PW tested for Blood Sugar using OGTT (Oral glucose tolerance test)	1.5.2	1.5.1
13)	Number of PW given insulin out of total tested positive for GDM<=Number of PW tested positive for GDM	1.5.3	1.5.2
14)	Number of Pregnant women tested for Syphilis<=Total number of pregnant women registered for ANC	1.6.1.a	1.1
15)	Number of Pregnant women tested found sero positive for Syphilis<=Number of Pregnant women tested for Syphilis	1.6.1.b	1.6.1.a
16)	Number of Syphilis positive pregnant women treated for Syphilis<=Number of Pregnant women tested found sero positive for Syphilis	1.6.1.c	1.6.1.b
17)	Number of babies treated for congenital Syphilis<=Number of babies diagnosed with congenital Syphilis	1.6.1.e	1.6.1.d

18)	Out of total institutional deliveries number of women discharged within 48 hours of delivery<=Number of Institutional Deliveries conducted (Including C-Sections)	2.1.1	2.1
19)	Total C -Section deliveries performed<=Number of Institutional Deliveries conducted (Including C-Sections)	3.1	2.1
20)	C-sections, performed at night (8 PM- 8 AM)<=Total C - Section deliveries performed	3.1.1	3.1
21)	Number of Pre term newborns (< 37 weeks of pregnancy)<=Live Birth - Male+Live Birth - Female	4.1.2	4.1.1.a+4.1.1.b
22)	Post Abortion/ MTP Complications Identified<=MTP up to 12 weeks of pregnancy+MTP more than 12 weeks of pregnancy+Abortion (spontaneous)	4.3.2.a	4.3.1.a+4.3.1.b+ 4.2
23)	Post Abortion/ MTP Complications Treated<=Post Abortion/ MTP Complications Identified	4.3.2.b	4.3.2.a
24)	Number of women provided with post abortion/ MTP contraception<=MTP up to 12 weeks of pregnancy+MTP more than 12 weeks of pregnancy+Abortion (spontaneous)	4.3.3	4.3.1.a+4.3.1.b+ 4.2
25)	Number of newborns weighed at birth<=Live Birth - Male+Live Birth - Female	4.4.1	4.1.1.a+4.1.1.b
26) 26	Number of newborns having weight less than 2.5 kg<=Number of newborns weighed at birth	4.4.2	4.4.1
27)	Number of Newborns breast fed within 1 hour of birth<=Live Birth - Male+Live Birth - Female	4.4.3	4.1.1.a+4.1.1.b
28)	Number of Complicated pregnancies treated with Blood Transfusion<=Number of cases of pregnant women with Obstetric Complications attended (Antepartum haemorrhage (APH), Post-Partum Hemorrhage (PPH), Sepsis, Eclampsia and others)	5.2	5.1
29)	RTI/STI for which treatment initiated - Male<=New RTI/STI cases identified - Male	7.2.1	7.1.1
30)	RTI/STI for which treatment initiated -Female<=New RTI/STI cases identified - Female	7.2.2	7.1.2
31)	Number of Post Partum sterilizations (within 7 days of delivery by minilap or concurrent with cessarean section) conducted<=Number of Institutional Deliveries conducted (Including C-Sections)	8.2.3	2.1
32)	Number of Post Partum (within 48 hours of delivery) IUCD insertions<=Number of Institutional Deliveries conducted (Including C-Sections)	8.4	2.1
33)	Number of complications following IUCD Insertion<=Number of Interval IUCD Insertions (excluding PPIUCD and PAIUCD)+ Number of post partum (with in 48 hours of delivery) IUCD insertion +Number of post abortion (with 12 days of spontaneous or surgical abortions) IUCD incertion	8.7	8.3+8.4+8.5
34)	Complications following male sterilization<=Number of Non Scalpel Vasectomy (NSV) / Conventional Vasectomy conducted	8.17.1	8.1.1
35)	Complications following female sterilization<=Number of Laparoscopic sterilizations (excluding post abortion) conducted + Number of Interval Mini-lap (other than post-	8.17.2	8.2.1+8.2.2+8.2. 3+8.2.4

	partum and post abortion) sterilizations conducted + Number of Post Partum sterilizations (within 7 days of delivery by minilap or concurrent with cessarean section) conducted + Number of Post Abortion sterilizations (within 7 days of spontaneous or surgical abortion) conducted		
36)	Child immunisation - Vitamin K1(Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.1	4.1.1.a+4.1.1.b
37)	Child immunisation - BCG<=Live Birth - Male+Live Birth - Female	9.1.2	4.1.1.a+4.1.1.b
38)	Child immunisation - OPV-0 (Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.9	4.1.1.a+4.1.1.b
39)	Child immunisation - Hepatitis-B0 (Birth Dose)<=Live Birth - Male+Live Birth - Female	9.1.13	4.1.1.a+4.1.1.b
40)	Children aged between 9 and 11 months fully immunized- Male+Children aged between 9 and 11 months fully immunize<=Child immunisation (9-11months) - Measles & Rubella (MR) 1st dose & Child immunisation (9-11months) - Measles 1st dose	9.2.4.a+9.2.4.b	9.2.1+ 9.2.2
41)	Kala Azar Positive Cases<=Kala Azar (RDT) - Tests Conducted	11.2.2	11.2.1
42)	Tests Positive for JE<=Tests Conducted for JE	11.4.2	11.4.1
43)	Out of registered, Girls received clinical services<=Girls registered in AFHC	12.1.2.a	12.1.1.a
44)	Out of registered, Boys received clinical services<=Boys registered in AFHC	12.1.2.b	12.1.1.b
45)	Out of registered, Girls received counselling<=Girls registered in AFHC	12.1.3.a	12.1.1.a
46)	Out of registered, Boys received counselling<=Boys registered in AFHC	12.1.3.b	12.1.1.b
47)	Number of Left Against Medical Advice (LAMA) cases<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.3.3	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
48)	Inpatient - Malaria<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.1	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
49)	Inpatient - Dengue<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.2	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
50)	Inpatient - Typhoid<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.3	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
51)	Inpatient - Asthma, Chronic Obstructive Pulmonary Disease (COPD), Respiratory infections<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.4	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
52)	Inpatient - Tuberculosis<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.5	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b

53)	Inpatient - Pyrexia of unknown origin (PUO)<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.6	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
54)	Inpatient - Diarrhea with dehydration<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.7	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
55)	Inpatient - Hepatitis<=Inpatient (Male)- Children<18yrs+Inpatient (Male)- Adults+Inpatient (Female)- Children<18yrs+Inpatient (Female)- Adults	14.4.8	14.3.1.a+14.3.1.b+14.3.2.a+14.3.2.b
56)	Emergency - Trauma (accident, injury, poisoning etc)<= Patients registered at Emergency Department	14.6.1	14.5
57)	Emergency - Burn<= Patients registered at Emergency Department	14.6.2	14.5
58)	Emergency - Obstetrics complications<= Patients registered at Emergency Department	14.6.3	14.5
59)	Emergency - Snake Bite<=Patients registered at Emergency Department	14.6.4	14.5
60)	Emergency - Acute Caridiac Emergencies<= Patients registered at Emergency Department	14.6.5	14.5
61)	Emergency - CVA (Cerebovascular Disease)<= Patients registered at Emergency Department	14.6.6	14.5
62)	Number of deaths occurring at Emergency Department<= Patients registered at Emergency Department	14.7	14.5
63)	Number of children discharged with target weight gain from the NRCs<=Number of children admitted in NRC	14.14.2	14.14.1
64)	Out of the total number of Hb tests done, Number having Hb < 7 mg<=Number of Hb tests conducted	15.2.2	15.2.1
65)	Female Non ANC HIV - Number Positive<=Female Non ANC HIV - Number Tested	15.3.2.b	15.3.2.a
66)	out of the above, Number screened positive<=Number of Pregnant Women screened for HIV	15.3.3.b	15.3.3.a
67)	out of the above, Number screened positive, number confirmed with HIV infection at Integrated Counselling and Testing Centre (ICTC) <=out of the above, Number screened positive	15.3.3.c	15.3.3.b
68)	Widal tests - Number Positive<=Widal tests - Number Tested	15.4.2	15.4.1
69)	Number of cases of AEFI - Abscess<=Number of Children Immunized Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years	9.6.1	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4

	received TT10/ Td10 + Children more than 16 years received TT16/ Td16)		
70)	Number of cases of AEFI - Death<=Number of Children Immunized Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)	9.6.2	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
71)	Number of cases of AEFI - Others<=Number of Children Immunized Number of Children Immunized (Vitamin K (Birth Dose) +BCG+ DPT1 + DPT2+ DPT3+ Pentavalent 1 + Pentavalent 1 + Pentavalent 3 + Hepatitis-B0 (Birth + Hepatitis-B1 + Hepatitis-B2 + Hepatitis-B3 + Inactivated Injectable + Inactivated Injectable + Rotavirus 1 + Rotavirus 2 + Rotavirus 3 + (9-11months) - Measles + (9-11months) - Measles + (9-11months) - JE 1st + (after 12 months) - Measles & Rubella (MR)/Measles containing vaccine(MCV)- 1st Dose + (after 12 months) - Measles-1st dose + JE + Measles & Rubella + Measles 2nd dose + DPT 1st Booster + DPT 1st Booster + Number of children more than 16 months + Typhoid + Children more than 5 years received DPT5 (2nd Booster) + Children more than 10 years received TT10/ Td10 + Children more than 16 years received TT16/ Td16)	9.6.3	9.1.1+9.1.2+9.1.3+9.1.4+9.1.5+9.1.6+9.1.7+9.1.8+9.1.13+9.1.14+9.1.15+9.1.16+9.1.17+9.1.18+9.1.19+9.1.20+9.1.21+9.2.1+9.2.2+9.2.3+9.3.1+9.3.2+9.3.3+9.4.1+9.4.2+9.4.3+9.4.5+9.4.6+9.5.1+9.5.2+9.5.3+9.5.4
72)	Immunisation sessions held <=Immunisation sessions planned	9.7.2	9.7.1
73)	Number of Immunisation sessions where ASHAs were present<=Immunisation sessions held	9.7.3	9.7.2
74)	Malaria (Microscopy Tests) - Plasmodium Vivax test positive<=Total Blood Smears Examined for Malaria	11.1.1.b	11.1.1.a
75)	Malaria (Microscopy Tests) - Plasmodium Falciparum test positive<=Total Blood Smears Examined for Malaria	11.1.1.c	11.1.1.a
76)	Malaria (RDT) - Plasmodium Vivax test positive<=RDT conducted for Malaria	11.1.2.b	11.1.2.a
77)	Malaria (RDT) - Plamodium Falciparum test positive<=RDT conducted for Malaria	11.1.2.c	11.1.2.a
78)	Inpatient Deaths - Male <=Inpatient (Male)-Children<18yrs+Inpatient (Male)	14.9.1	14.3.1.a+14.3.1.b
79)	Inpatient Deaths - Female<=Inpatient (Female)-Children<18yrs+Inpatient (Female)- Adults	14.9.2	14.3.2.a+14.3.2.b

80)	Number of deaths occurring at SNCU<=Special Newborn Care Unit (SNCU Admissions) - Inborn Male + Special Newborn Care Unit (SNCU Admissions) - Inborn Female + Outborn – Male + Outborn - Female + Number of newborns admitted in SNCU - referred by ASHA	14.13	14.12.1+14.12.2 +14.12.3+14.12. 4+14.12.5
81)	Out of Operation major, Gynecology- Hysterectomy surgeries<=Operation major (General and spinal anaesthesia)	14.8.2	14.8.1
82)	Major Surgeries excluding Obstetrics, Gynaecology and Ophthalmology etc.<=Operation major (General and spinal anaesthesia)	14.8.3	14.8.1
83)	Number of Male STI/RTI attendees found Sero-Positive for syphilis<=Number of Male STI/RTI attendees tested for syphilis	15.3.4.b	15.3.4.a
84)	Number of Female (Non ANC) STI/RTI attendees found sero Positive for syphilis<=Number of Female (Non ANC)STI/RTI attendees tested for syphilis	15.3.4.d	15.3.4.c
PRE is reported when LHS is non-missing and RHS is missing			
85)	Allopathic- Outpatient attendance + Ayush - Outpatient attendance >= 14.1.1+14.1.2+14.1.3+14.1.4+14.1.5+14.1.6+14.1.7+14.1.8 +14.1.9	14.2.1+14.2.2	14.1.1+14.1.2+1 4.1.3+14.1.4+14 .1.5+14.1.6+14. 1.7+14.1.8+14.1 .9
86)	Live Birth - Male + Live Birth - Female + Still Birth>=Number of Institutional Deliveries conducted (Including C-Sections)	4.1.1.a+4.1.1. b+4.1.3	2.1
87)	Total number of blood units issued during the month>=Number of blood units issued (Excluding C-Section)	14.18	14.8.6