

Introduction

To strengthen and invigorate Universal Immunisation Program and achieve full immunization coverage for all children at a rapid pace, the MoHFW launched Mission Indradhanush on 25th December 2014 with the aim of expanding immunization coverage to all children across India by year 2020. The government intends to cover districts in phases.

Phases	Duration	Coverage
Phase I	2015-16	201 districts
Phase II	2015-16	352 districts
Phase III	2016-17	216 districts
Phase IV	2017-18	247 districts

A program of this scale generates an enormous amount of data for analysis and use. Together with implementing the immunisation program, it is very important to formalise data management activities to ensure that implementation problems are detected and addressed; to identify both, areas of weak performance and specific areas where further input may be needed; and to collect information demonstrating the success of the program.

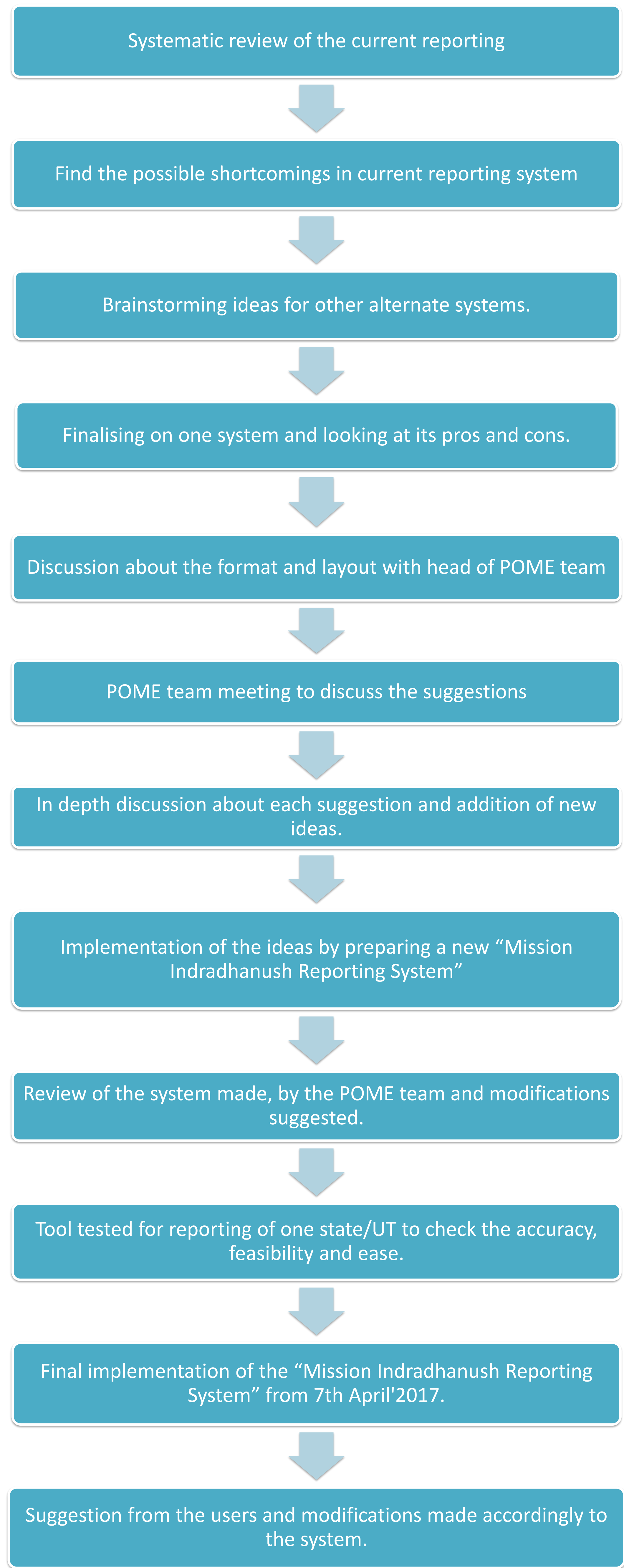
Rationale

The MI coverage data is manually received at ITSU day-wise in form of offline excel sheets from states and districts and then collated for the country which is extensively time consuming process and duplicates efforts.

Objective

To develop a data entry system to record all Mission Indradhanush coverage data.

Methodology



Salient features of Mission Indradhanush Reporting System

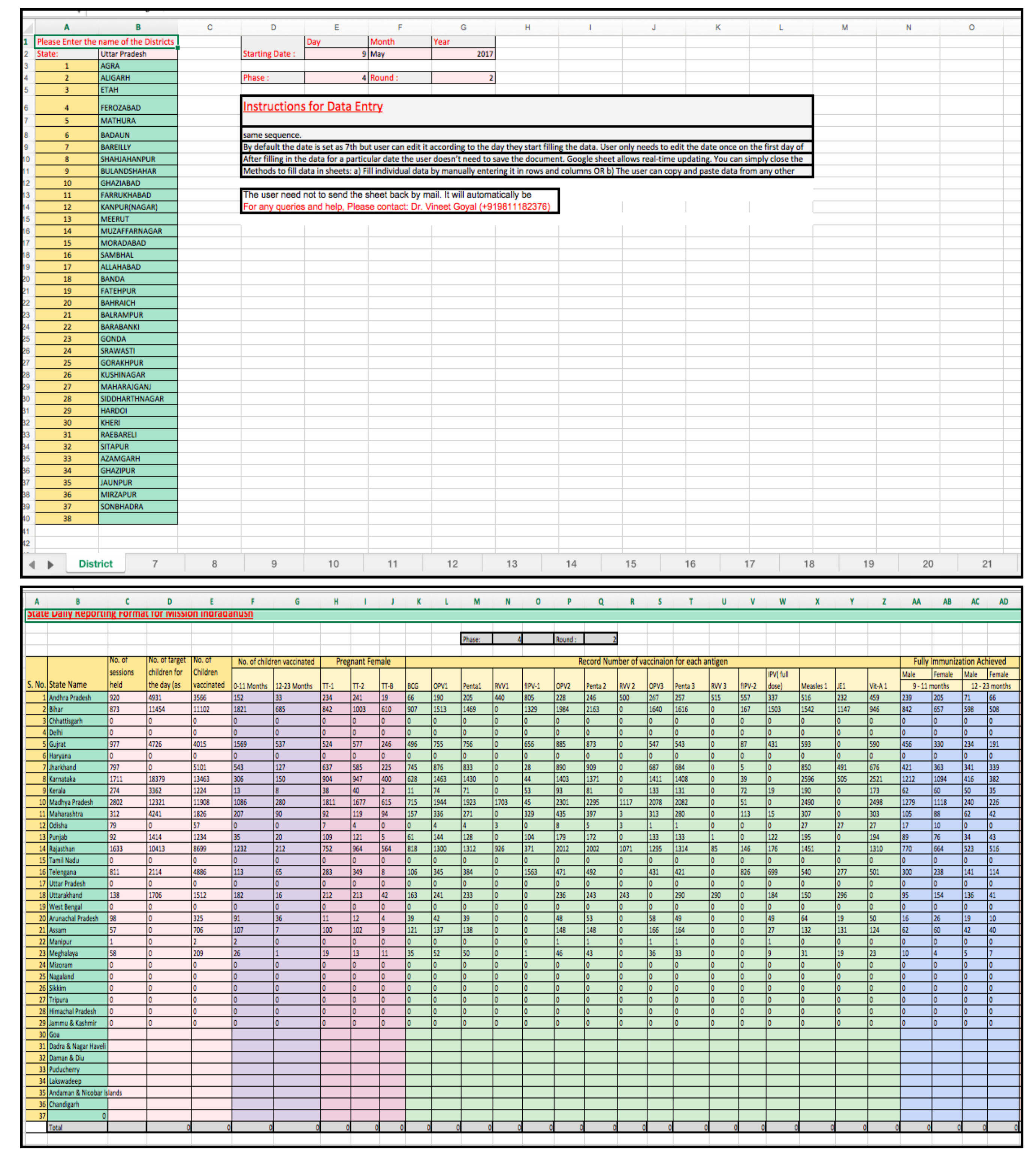
- Tool was developed in 'google spreadsheet' which is an online portal.
- There is a separate document for every state. There are total 37 documents: 36 states and UTs and 1 Total of the country. Each document has total 27 sheets

In all the states document:

- Sheet "DISTRICT" is for names of the reporting districts of the state, reporting date, phase and round of MI and few instructions for data entry.
- Sheet "7" till sheet "31" has the columns for data entry for each day of the month.
- Sheet "TOTAL" represents the total of the state's data for a particular month.

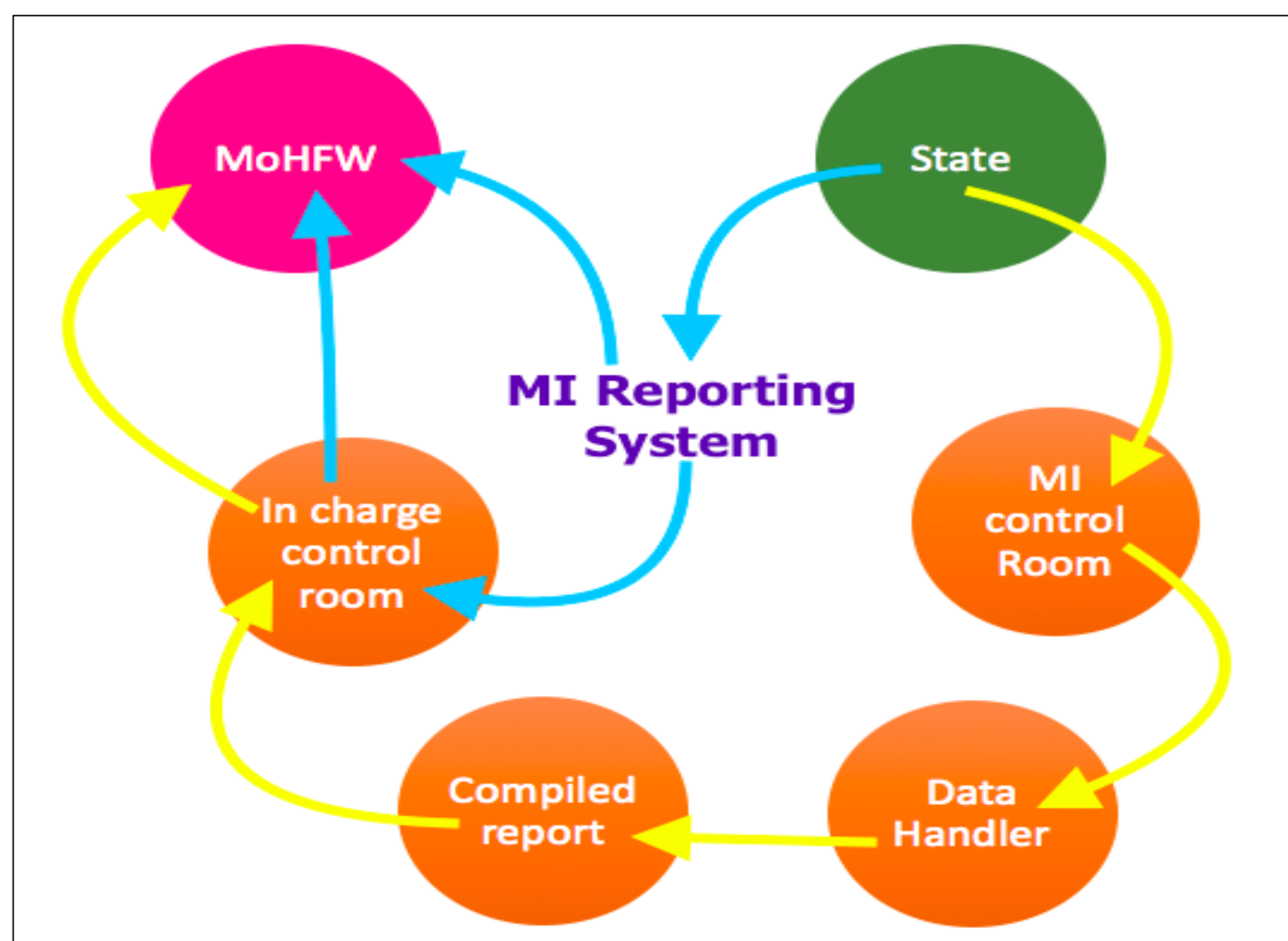
In the "Total of states" document:

- This document represents the total coverage data of MI for the country.
- Sheet "STATES" is for the name of the reporting states in alphabetical order
- Sheet "7" till sheet "31" has the total of districts from the state on a particular date.
- Sheet "TOTAL" represents the total of all states at a consolidated date.



The columns of each sheets in every document represent the coverage data under headings: No. of sessions held; No. of target children for the day (as per the due lists based on headcount); No. of children vaccinated; No. of children vaccinated for the first time in life (0-11 months & 12-23 months); pregnant female vaccination; Record no. of each antigen (BCG, OPV1, Penta1, RVP1, fIPV1, OPV2, Penta2, RVP2, OPV3, fIPV2, IPV, Measles1, JE1, Vit-A1) ; Full immunisation achieved; Record no. of vaccination (DPT1, DPT2, DPT3, OPVB, DPTB, Measles2, JE2, Vit-A2) ; Complete immunisation achieved; DPT-B (5-6 yr.); No. of ORS distributed; No. of zinc tab distributed.

ADVANTAGE



SCOPE FOR FUTURE WORK

- Currently in the system, manual archiving has to be done every month before data entry into the system. Thus, the option of auto archiving should be explored.
- System can be modified to include more data validations at data entry.
- Feedback from users should be taken on monthly basis to improve the system
- After data entry by states, the sheets can be frozen after few days which will prevent manipulation, increase the authenticity of the data, and spare more time for data triangulation & analysis.
- Similar systems can be developed for other campaigns and missions which are reported separately from HMIS or MCTS. This system can be developed specially for new vaccines introduced like MR, PCV and IPV.