



MyChild card use case diagram

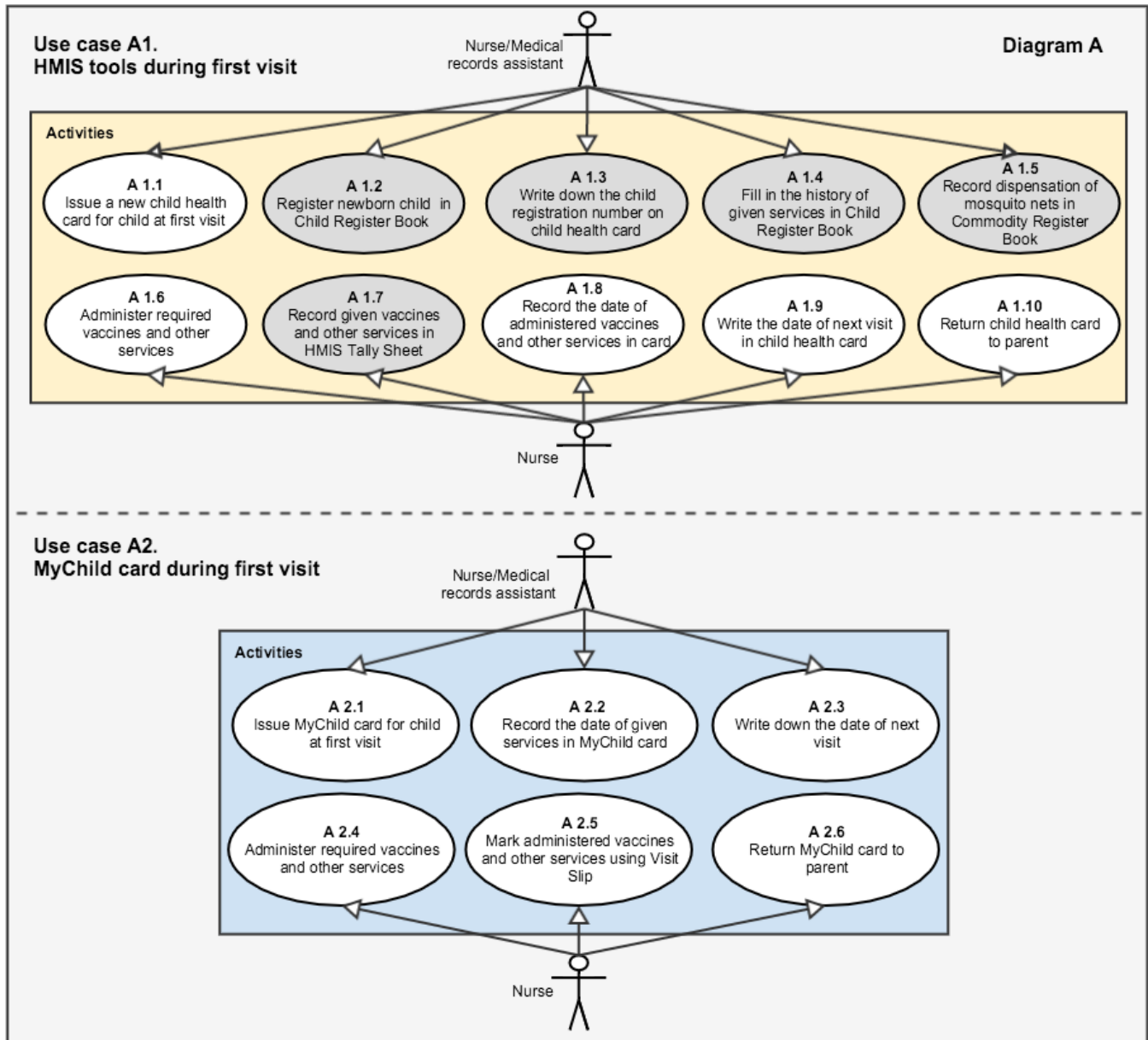
How to read diagrams

This article presents a comparison of the key activities of health workers using HMIS tools and MyChild card. Comparison of activities is presented in Use Case diagrams A, B, and C. Each diagram depicts two comparison use cases. For example, diagram A consists of two use cases (A1, A2), and every use case includes a number of activities (from A 1.1 to A 1.10). In order to depict the main difference between use cases, circles of activities are presented in the method of colour coding. The grey circles highlight activities that are possible to be eliminated by using MyChild card.

Here is the list of diagrams:

- Diagram A "Child's first visit" presents the key activities during vaccine and data administration of newborn children during first visit.
- Diagram B "Child's follow up visit" presents the key activities during vaccine and data administration of children's follow up visit.
- Diagram C "Administration after service delivery" presents the key activities of data administration and reporting after the service delivery.

Diagram A - Child's first visit



Description of activities

Table A - Use of HMIS tools and MyChild card during child's first visit.

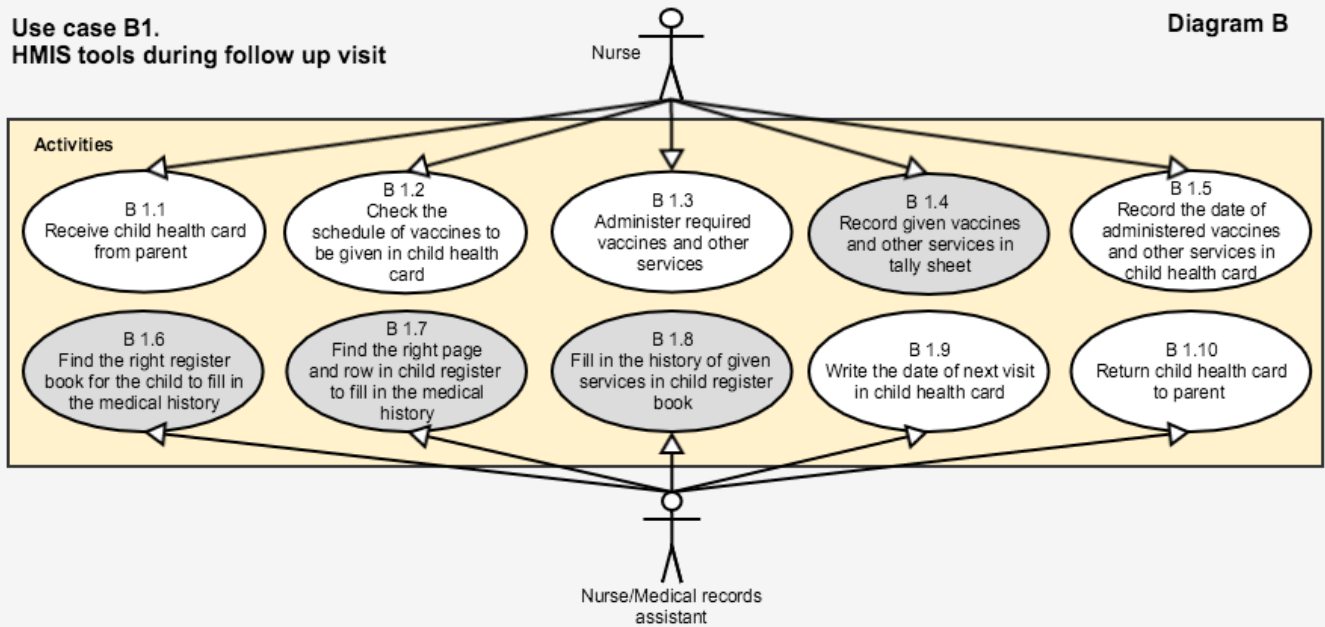
Activity ID	Name of activity	Description
<i>Use case A1 - Use of HMIS tools during child's first visit</i>		
A 1.1	Issue a new child health card for child at first visit	Health workers in Maternal and Child Health Departments issue child health card for every child during the first visit. Health workers should fill in biodata of child including child's name, date of birth, weight, child registration number, parent's name, and address.
A 1.2	Register newborn child in Child Register Book	The Child Register Book is the main book to register children at first visit and then monitor immunisations, vitamin A, Deworming, and other health indicators. Health workers should fill in biodata of child including registration number, child's name, date of birth, weight, name of parents, and address.
A 1.3	Write down the child registration number on child health card	The registration number is obtained from Child Register Book. As recommended by the HMIS guidelines , registration ID starts with the number "1" on the first of July from each financial year. Every new financial year, the number should start from "1" again. This means that children do not receive a unique ID number.
A 1.4	Fill in the history of given services in Child Register Book	Information is recorded in the Child Register Book at each visit when vaccines and other services are given.
A 1.5	Record dispensation of mosquito nets in Commodity Register Book	Ministry of Health distributes Long Lasting Insecticidal Nets. Therefore, health workers keep record of distribution of mosquito nets in improvised Commodity Register Books.
A 1.6	Administer required vaccines and other services	Based on vaccination schedule, nurse administers relevant vaccines to child.
A 1.7	Record given vaccines and other services in HMIS Tally sheet	The Tally Sheet is used to record all information concerning all given services. Furthermore, tally sheets are used by frontline health workers to summarise vaccination sessions, and prepare monthly reports.

A 1.8	Record the date of administered vaccines and other services in child health card	After provision of relevant vaccines and other services, nurse records the medical history in child health card.
A 1.9	Write the date of next visit in child health card	After provision of relevant vaccines and other services, nurse writes the date of next visit in child health card. This information helps parents/guardian to plan for the next visit.
A 1.10	Return child health card to parent	After completion of all services, nurse returns child health card to parent or guardian.
<i>Use case A2 - Use of MyChild card during child's first visit</i>		
A 2.1	Issue MyChild card for child during child's first visit	Health workers issue MyChild Card for every child during their first visit. Health workers should fill in biodata of child including child's name, date of birth, weight, parent's name, address, and other health indicators.
A 2.2	Record the date of given services in MyChild card	After provision of relevant vaccines and other services, health workers record the medical history in MyChild card.
A 2.3	Write down the date of next visit	After provision of relevant vaccines and other services, health worker writes the date of next visit in MyChild card. This information helps parents/guardian to plan for next visit to clinic.
A 2.4	Administer required vaccines and other services	Based on vaccination schedule, nurse administers relevant vaccines to child.
A 2.5	Mark administered vaccines and other services using Visit Slip	The Visit Slip is used to capture all information concerning all given services. Visit slips are detached and put into the data box.
A 2.6	Return MyChild card to parent	After completion of all services, nurse returns MyChild card to parent or guardian.

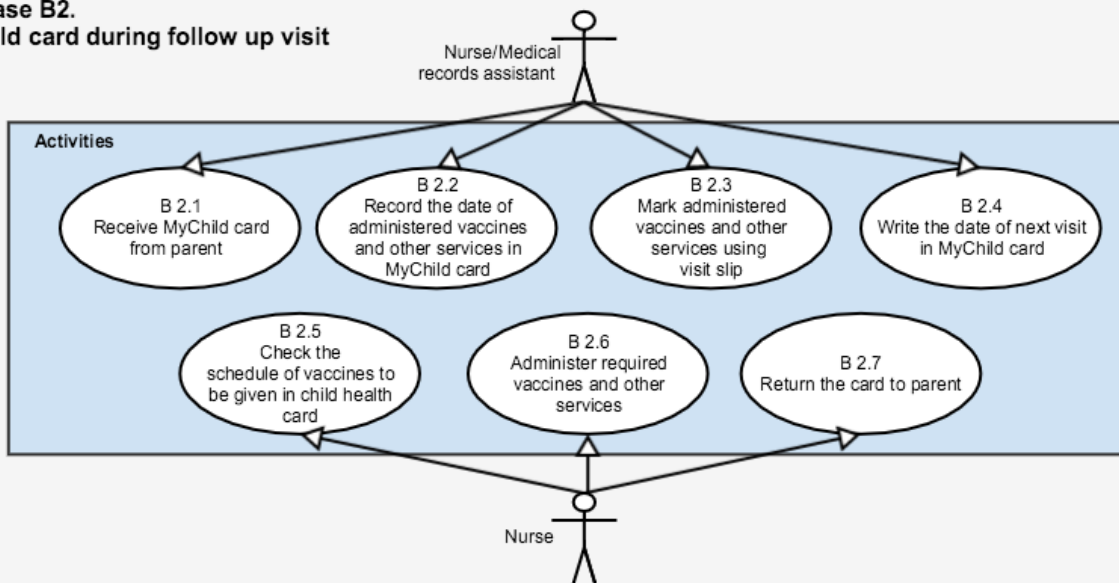
Diagram B - Child's follow up visit

Use case B1. HMIS tools during follow up visit

Diagram B



Use case B2. MyChild card during follow up visit



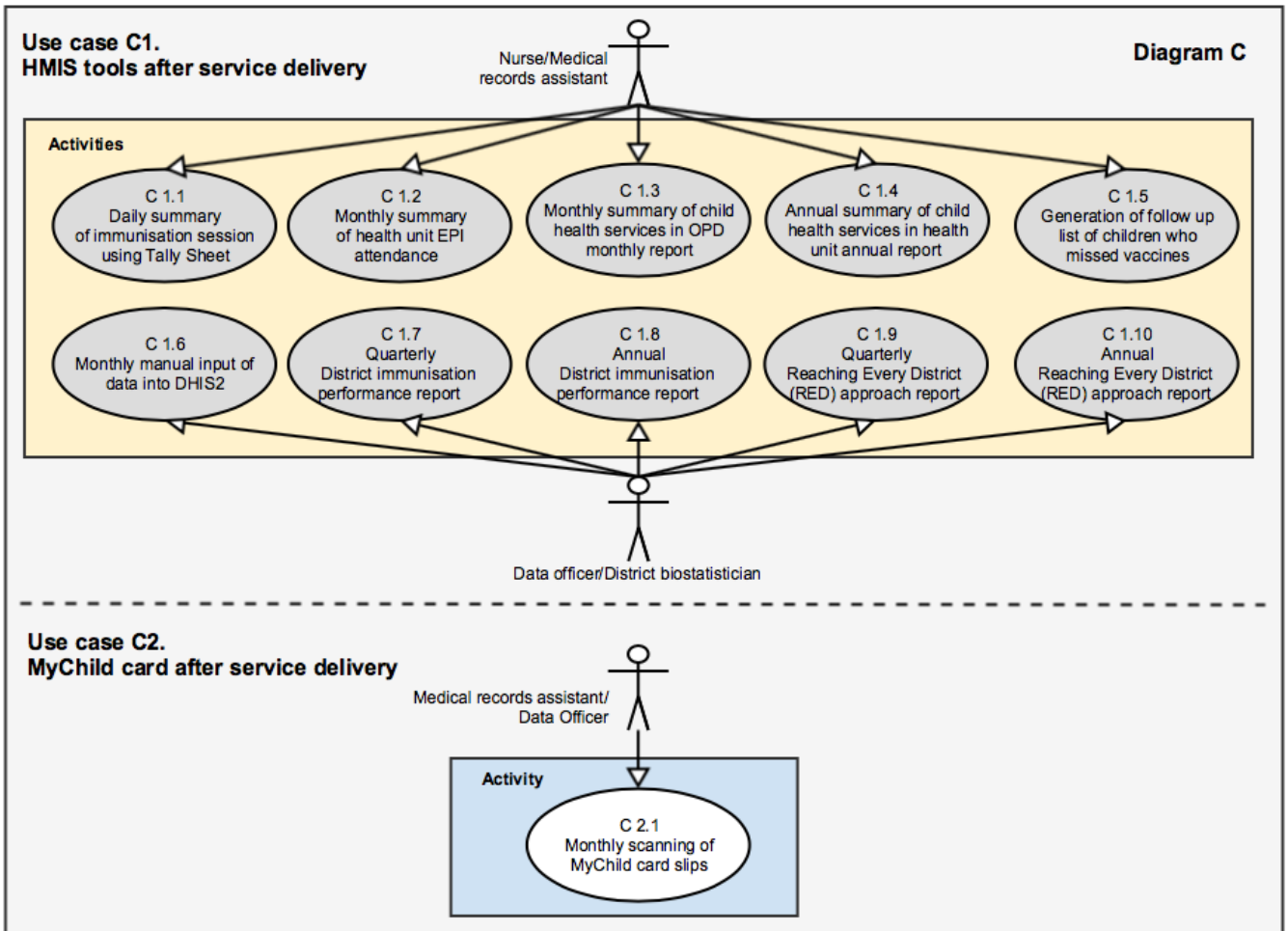
Description of activities

Table B - Use of HMIS tools and MyChild card during child's follow up visit.

Activity ID	Name of activity	Description
<i>Use case B1 - Use of HMIS tools during child's follow up visit.</i>		
B 1.1	Receive child health card from parent	Health workers receive child health card from parent/guardian to provide relevant health services to particular child.
B 1.2	schedule of vaccines to be given in child health card	Based on information in child health card, health workers provide relevant vaccines and other services to child.
B 1.3	Administer required vaccines and other services	Based on vaccination schedule, nurse administers relevant vaccines to child.
B 1.4	Record given vaccines and other services in tally sheet	The Tally Sheet is used to record all information concerning all given services. Furthermore, tally sheets help frontline health workers to summarise vaccination sessions, and prepare monthly reports.
B 1.5	Record the date of administered vaccines and other services in child health card	After provision of relevant vaccines and other services, nurse records the medical history in child health card.
B 1.6	Find the right Child Register Book for the child to fill in the medical history	In high volume patient flow clinics, health workers have more than 1 Child Register Book to keep the records of children. Therefore, health workers should find the right register book to fill in the history for a particular child.
B 1.7	Find the right page and row in child register to fill in the medical history	Current Child Register Books do not have page and row number. Health workers use registration number to find the information of particular child.

B 1.8	Fill in the history of given services in Child Register Book	Information is recorded in Child Register Book on every visit when vaccines and other services are given.
B 1.9	Write the date of next visit in child health card	After provision of relevant vaccines and other services, nurse writes the date of next visit in child health card. This information helps parents/guardian to plan for the next visit.
B 1.10	Return child health card to parent	After completion of all services, nurse returns child health card to parent or guardian.
<i>Use case B2 - Use of MyChild card during child's follow up visit.</i>		
B 2.1	Receive MyChild card from parent	Health workers receive MyChild card from parent/guardian to provide relevant health services to particular child.
B 2.2	Record the date of administered vaccines and other services in MyChild card	After provision of relevant vaccines and other services, health workers record the medical history in MyChild Card.
B 2.3	Mark administered vaccines and other services using visit slip	The Visit Slip is used to capture all information concerning all given serves. Visit slips are detached and put into the data box.
B 2.4	Write the date of next visit in MyChild card	writes the date of next visit in MyChild Card. This information helps parents/guardian to plan for next visit to clinic.
B 2.5	Check the schedule of vaccines to be given in child health card	Based on information of MyChild card, health workers provide relevant vaccines and other services to child.
B 2.6	Administer required vaccines and other services	Based on vaccination schedule, nurse administers relevant vaccines to child.
B 2.7	Return MyChild card to parent	After completion of all services, nurse returns MyChild card to parent or guardian.

Diagram C - Administration after services delivery



Description of activities

Table C - Use of HMIS tools and MyChild card during child's follow up visit.

Activity ID	Name of activity	Description
<i>Use case C1 - HMIS tools after service delivery</i>		
C 1.1	Daily summary of immunisation session using Tally Sheet	After completion of every vaccination session, nurse summarizes Child Tally Sheet.
C 1.2	attendance	Child health clinics summarise EPI attendance every month.
C 1.3	Monthly summary of child health services in OPD monthly report	Based on data from Child Tally sheets, data officers compile and input statistics of child health clinics into monthly OPD reports.
C 1.4	Annual summary of child health services in health unit annual report	Based on monthly OPD reports, data officers compile and generate Annual report of health unit.
C 1.5	Generation of follow up list of children who are missing vaccines	Every month health workers need to use Child Register Book to search, and identify children who misses vaccines. Since this activity takes considerable amount of time, majority of the health centres do not manage to generate up to date follow up lists and follow up on children who missed their visit.
C 1.6	Monthly manual input of data into DHIS2	Data officer/District biostatistician manually input the data into digital form in DHIS2 system.
C 1.7	Quarterly District immunisation performance report	District biostatistician compiles and generates quarterly District immunisation performance reports.
C 1.8	performance report	District biostatistician compiles and generates Annual District immunisation performance reports.

C 1.9	Quarterly Reaching Every District (RED) approach report	District biostatistician compiles and generates Quarterly Reaching Every District (RED) approach report
C 1.10	Annual Reaching Every District (RED) approach report	District biostatistician compiles and generates Annual Reaching Every District (RED) approach report
<i>Use case C2 - MyChild card after service delivery</i>		
C 2.1	Monthly scanning of MyChild card slips	Medical records assistant/Data officer scans MyChild card slips using MyChild card scanning unit.