Ministry of Health

Under 2 Years Children Register

Register No	
Facility Name	
District	
Date Register Started	
Date Register Closed	

Endorsed by the Ministry of Health for use in Hospitals, Health Centers and Private Health Facilities in Malawi revised December, 2014

How to use the under two children register

Register number: Indicate the register number; starting from 1, the next will be 2 and so on

Facility name: Write the name of the facility

District: Write the name of the district where the health facility is located

Date register started: Indicate the month the register has started being used e.g. 20/11/2014

Date register closed: Indicate the month the register has been closed for use e.g. 20/06/2015

Use this register until the child is two years

The register has been divided into sections by calendar months. A child should be registered in the section of the month they were born. This will allow easy allocation of a child in the register.

The register has two sections. One for immunizations and the other for Vitamin A, Deworming, HIV and growth status

SECTION 1: IMMUNIZATIONS

Registration date: Write the date of the visit (1-31)

Monthly serial number: Serial number starting from 1 at the beginning of each month.

Birth registration number: If the child was registered in vital registration, write the registration number

Name of child: Write both the first name and surname of the child

Address: Indicate the village and Traditional Authority /location where the child comes from

Sex: Write M for male child or F for female child

Date of birth: The date when the child was born. Write this as day/month/year, e.g. 17/11/14

Protected At Birth (PAB):   Indicate Yes if protected or No if not protected

Immunization given: Record all the antigens given to the child on the same row.
Every time a child comes, locate the name and write the date when the specific antigen is given
If the child got other vaccines from another facility, use the passport to update the status in the register by indicating the health facility where the antigen was given.

Date given: Write a date when a child has received a specific dose e.g. 20/10/14

Fully Immunized: If the child has completed all the doses, except Measles 2 and IPV, look in the date of birth column and √ in the " < 1 yr" column if the child has not reached his first birthday, otherwise √ in ">1 yr" column. This has to be recorded only once on the day the last dose (measles 1) is given. Therefore, if the child has been recorded as fully immunized, indicate on the child health passport that the child has been recorded. This will avoid another facility recording the same child again.

Page summaries: For each month, indicate the name of the month e.g. January
On each page, write the totals for each antigen for each month,
Segregate the data by sex i.e. male, female and age i.e. <1, > 1.

SECTION 2: VITAMIN A, DEWORMING, HIV AND GROWTH STATUS

Vitamin A: Indicate the actual date Vitamin A is given in appropriate age column

Deworming: Indicate the actual date deworming tablet is given in appropriate age

HIV status: Indicate the status code for both the mother and child using a tick (√) in appropriate column

Child treatment: Indicate whether the child is on CPT and/ or ART using a tick (√)

GROWTH STATUS:

Weight   Indicate the actual weight measurement in Kilograms and to the nearest grammes e.g. 10.6kg

Height   Indicate the actual length/height measurement to the nearest centimetre e.g. 171cm

WAZ   Indicate Weight for Age Z score (WAZ) as indicated in the plotted graph in the Child Health Passport e.g. <-2

HAZ   Indicate Height for Age Z Score (HAZ) as indicated in the plotted graph from Child Health Passport e.g. <-2

PAGE SUMMARY: For each month, indicate the name of the month e.g. January
Vitamin A (6-11months): For each month indicate how many children received Vitamin A capsules
Vitamin A (12-23 months):For each month indicate how many children received Vitamin A capsules
De-worming (12 – 23 months): For each month indicate how many children received de-worming tablets
WAZ: For each month indicate how many children were normal, overweight and underweight
HAZ: For each month indicate how many children were normal and how many were stunted
On each page, write the totals for each supplement for each month,
Segregate the data by sex i.e. male and female

How to aggregate data, calculate indicators and monitor programme performance in each month

Every child is expected to be fully immunised by his/her first birthday. A child has to have BCG, OPV-3, DPT - HepB-Hib 3, PCV – 3, Rota – 2 and Measles 1 vaccinations in order to be fully immunised.
To calculate this indicator, all children who are under 1 on the date of last dose of vaccination (measles 1) have to be aggregated as numerator for the specified period.

55.   Percentage of fully immunized under 1 children

Number of fully immunized <1 children
————————————————————————————————————— X 100
Total number of under 1 children in the catchment area

(To derive numerator data for this indicator, count all the rows that are checked in column 26 of under 2 children register).

56.

a.   Percentage of under 1 children immunized by BCG

Number of <1 children who received BCG
——————————————————————————————————— X 100
Total number of under 1 children in the catchment area
(To derive numerator data for this indicator, count all the rows that are ticked in column 9 of under 2 children register).

b.   Percentage of under 1 children immunized with DPT - HepB-Hib 3
Number of <1 children who received DPT - HepB-Hib 3   X 100
——————————————————————————————————————
Total number of under 1 children in the catchment area
(To derive numerator data for this indicator, count all the rows that are checked in column 18 of under 2 children register).

c.   Percentage of under 1 children immunized with OPV 3

Number of <1 children who received OPV 3
————————————————————————————————— X 100
Total number of under 1 children in the catchment area
(To derive numerator data for this indicator, count all the rows that are checked in column 14 of under 2 children register).

d.   Percentage of under 1 children immunized with measles 1
Number of <1 children received measles 1
————————————————————————————————— X 100
Total number of under 1 children in the catchment area
(To derive numerator data for this indicator, count all the rows that are checked in column 24 of under 2 children register).

e.   Percentage of children (15-23 months) immunized with measles 2

Number of children (15-23 months) received measles 2   X 100
———————————————————————————————————————
Total number of) children (15-23 months) in the catchment area
(To derive numerator data for this indicator, count all the rows that are checked in column 25 of under 2 children register).

f.   Percentage of under 1 children immunized with PCV 3
Number of <1 children received PCV 3   X 100
—————————————————————————————————
Total number of under 1 children in the catchment area
(To derive numerator data for this indicator, count all the rows that are checked in column 21 of under 2 children register).

g.   Percentage of under 1 children immunized with Rota 2

Number of <1 children received Rota 2   X 100
—————————————————————————————————
Total number of under 1 children in the catchment area
(To derive numerator data for this indicator, count all the rows that are checked in column 23 of under 2 children register).

h.   Percentage of under 1 children immunized with IPV

$$\frac{\text{Number of <1 children received IPV}}{\text{Total number of under 1 children in the catchment area}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in column 15 of under 2 children register).

i.   Percentage of under 1 children protected at birth

$$\frac{\text{Number of <1 children born from mothers with TT2+}}{\text{Total number of under 1 children in the catchment area}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in column 8 of under 2 children register).

j.   Dropout rate

$$\frac{\text{Number of <1 children who received DPT - HepB-Hib 1 - Number of <1 children received measles 1}}{\text{Number of <1 children who received DPT - HepB-Hib 1}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in column 16-24 of under 2 children register).

k.   Percentage of children 6 – 11 months who received Vitamin A

$$\frac{\text{Number of children 6 – 11 months who received Vitamin A}}{\text{Total number of children aged 6 to 11 months in the catchment area}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in column 33 of under 2 children register).

l.   Percentage of children 12 – 23 months who received Vitamin A

$$\frac{\text{Number of children 12 - 23 months who received Vitamin A}}{\text{Total number of children aged 12 to 23 months in the catchment area}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in column 34 and 35 of under 2 children register).

m.   Percentage of aged 12 - 23 months who received deworming tablets

$$\frac{\text{Number of children 12 - 23 months received deworming tablets}}{\text{Total number of children aged 12 to 23 months in the catchment area}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in columns 36 and 37 of under 2 children register).

n.   Percentage of children who are normal weight for age Z score

$$\frac{\text{Number of normal children}}{\text{Total number of under 2 children assessed for WAZ}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in columns under growth status of under 2 children register).

o.   Percentage of children who are underweight for age Z score

$$\frac{\text{Number of underweight children}}{\text{Total number of under 2 children assessed for WAZ}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in columns under growth status of under 2 children register).

p.   Percentage of children who are overweight for age Z score

$$\frac{\text{Number of overweight children}}{\text{Total number of under 2 children assessed for WAZ}} \times 100$$

(To derive numerator data for this indicator, count all the rows that are checked in columns under growth status of under 2 children register).

q. Percentage of children who have normal height for age Z score

Number of children who have normal HAZ   X 100
Total number of under 2 children assessed for HAZ
(To derive numerator data for this indicator, count all the rows that are checked in columns under growth status of under 2 children register).

r. Percentage of children who have stunted height for age Z score

Number of children who are stunted HAZ   X 100
Total number of under 2 children assessed for HAZ
(To derive numerator data for this indicator, count all the rows that are checked in columns under growth status of under 2 children register).

NUTRITIONAL STATUS CUT-OFF

Underweight: Percentage of children under age of 2 who fall below minus two standard deviations (moderate and severe) minus three standard deviations (severe) of the median height for age of the WHO standard (<-2 z score)

Normal weight: Percentage of children under age of 2 who fall between minus and plus two standard deviations (moderate and severe) of the median height for age of the WHO standard (<-2 z -core and <+2 z-score)

Overweight: Percentage of children under age of 2 who fall above plus three standard deviations (>+3 z-score)

Stunted: Percentage of children under age 2 who fall below minus two standard deviations (moderate and severe) minus three standard deviations (severe) of the median height for age of the WHO standard (<-2 z score)

Normal Height: Percentage of children under age 2 who fall between minus two and plus two standard deviations of the median height for age of the WHO standard (<-2 z -core and <+2 z-score)

a. HIV/AIDS indicators

1) **Percentage of children aged between 0-23 months with known HIV status (HIV infected + HIV negative)**

Number of children aged between 0-23 months with known HIV status (HIV infected + HIV negative)
Total number of Children aged between 24-59 months

2) **Percentage of HIV infected children aged between 0-23 months on ART**

Number of HIV infected children aged between 0-23 months on ART
Total number of HIV infected children aged between 0-23 months

3) **Percentage of HIV exposed children aged between 0-23 months on CPT**

Number of HIV exposed children aged between 0-23 months on CPT
Total number of HIV exposed children aged between 0-23 months

SECTION 1: IMMUNIZATIONS

Registration Date	Monthly Serial number	Birth Registration number	Name of the Child	Address	Sex	Date of Birth	Protected At Birth (PAB) Yes/No	Immunization given					
								BCG		OPV 0	OPV 1	OPV 2	OPV 3
								Date given	Date revaccinated (if no scar)	Date given	Date given	Date given	Date given
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Page Summary

Indicate Month	Month					Month					Month					Month					Month					Month					Month					Month					Month					Month					Month				
Sex	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total	M	F	<1	>1	Total
PAB																																																							
BCG																																																							
OPV 0																																																							
OPV 1																																																							
OPV 2																																																							
OPV 3																																																							

Immunization given											Fully immunized	
IPV	DPT - HepB-Hib 1	DPT - HepB-Hib 2	DPT - HepB-Hib 3	PCV1	PCV 2	PCV 3	Rota 1	Rota 2	Measles 1	Measles 2		
Date given	Date given	Date given	Date given	Date given	Date given	Date given	Date given	Date given	Date given	Date given	< 1	> 1
15	16	17	18	19	20	21	22	23	24	25	26	27

Page Summary

	Month					Month					Month					Month					Month					Month					Month					Month					Month					Month					Month					Month				
Indicate Month																																																														
Sex	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total	M	F	< 1	> 1	Total
IPV																																																														
DPT- HepB-Hib 1																																																														
DPT- HepB-Hib 2																																																														
DPT- HepB-Hib 3																																																														
PCV1																																																														
PCV2																																																														
PCV3																																																														
Rota 1																																																														
Rota 2																																																														
Measles 1																																																														
Measles 2																																																														
Fully Immu < 1yr																																																														
Fully immu > 1yr																																																														

SECTION 2: NUTRITION

Monthly Serial Number	Child's ID	Child's Name	Sex	Date of Birth	Vitamin A 6-11 months Date given	Vitamin A 12-17 months Date given	Vitamin A 18-23 months Date given	Deworming 12-17 months Date given	Deworming 18-23 months Date given	HIV Status Child Positive	HIV Status Child Negative	HIV Status Child Uknown	HIV Status Child Exposed	HIV Status Mother Positive	HIV Status Mother Negative	HIV Status Mother Uknown	Child Treatment CPT	Child Treatment ART
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46

Page Summary

Indicate Month ↻	Month			Month			Month			Month			Month			Month			Month			Month			Month			Month			Month			Month		
Sex	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Vitamin A (6-11)																																				
Vitamin A (12-23)																																				
Deworming (6-11)																																				
Deworming (12-23)																																				
HIV Status-Mother Positive	■			■			■			■			■			■			■			■			■			■			■			■			■		
HIV Status-Mother Negative	■			■			■			■			■			■			■			■			■			■			■			■		
HIV Status-Mother Unknown	■			■			■			■			■			■			■			■			■			■			■			■		
HIV Status-Child Exposed																																				
HIV Status-Child Positive																																				
HIV Status-Child Negative																																				
HIV Status-Child Unknown																																				
Child Treatment- CPT																																				
Child Treatment- ART																																				

GROWTH MONITORING

Month 1				Month 2		Month 3		Month 4				Month 5		Month 6		Month 7				Month 8		Month 9		Month 10				Month 11		Month 12	
Wt.	Ht.	WAZ Score	HAZ Score	Wt.	WAZ Score	Wt.	WAZ Score	Wt.	Ht.	WAZ Score	HAZ Score	Wt.	WAZ Score	Wt.	WAZ Score	Wt.	Ht.	WAZ Score	HAZ Score	Wt.	WAZ Score	Wt.	WAZ Score	Wt.	Ht.	WAZ Score	HAZ Score	Wt.	WAZ Score	Wt.	WAZ Score
47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78

Page Summary

		Month			Month			Month			Month			Month			Month			Month			Month			Month			Month			Month			Month			Month		
Indicate Month																																									
Sex		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
WAZ Score	Overweight																																							
	Normal																																							
	Underweight																																							
HAZ Score	Normal																																							
	Stunted																																							

Footnote

WAZ Normal : <-2 z-score <+ 2 z-score   **WAZ Underweight:** < - 2 z-score   **WAZ Overweight:** > + 3 z-score

HAZ Normal : <-2 z-score <+ 2 z-score   **HAS Stunted:** <- 2 z-score

Normal : <2 z-score   and   <+ 2 z-score   **Underweight:** <2 z-score

Month 13				Month 14		Month 15		Month 16				Month 17		Month 18		Month 19				Month 20		Month 21		Month 22				Month 23	
Wt.	Ht.	WAZ Score	HAZ Score	Wt.	WAZ Score	Wt.	WAZ Score	Wt.	Ht.	WAZ Score	HAZ Score	Wt.	WAZ Score	Wt.	WAZ Score	Wt.	Ht.	WAZ Score	HAZ Score	Wt.	WAZ Score	Wt.	WAZ Score	Wt.	Ht.	WAZ Score	HAZ Score	Wt.	WAZ Score
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109

Page Summary

		Month 1			Month 2			Month 3			Month 4			Month 5			Month 6			Month 7			Month 8			Month 9			Month 10			Month 11			Month 12		
Indicate Month ⟷																																					
Sex		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
WAZ Score	Normal																																				
	Moderate																																				
	Severe																																				
	Overweight																																				
HAZ Score	Normal																																				
	Moderate																																				
	Severe																																				