3

# MOTHER AND CHILD HEALTH HANDBOOK

**CENTRAL JAVA PROVINCE** 





PROVINCIAL OFFICE MINISTRY OF HEALTH
IN CENTRAL JAVA
AND



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

# MOTHER AND CHILD HEALTH HANDBOOK

**CENTRAL JAVA PROVINCE** 





PROVINCIAL OFFICE MINISTRY OF HEALTH
IN CENTRAL JAVA
AND



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

## TABLE OF CONTENT

		Page No
I.	Identification and background of the family	1
II.	Pregnant mother	
	1. Record of Previous Pregnancy	2
	2. The Curve of Fundus Height	2
	3. Risk Factors and High Risk Pregnancy of Mother	3
	4. Antenatal Care	4
	5. Teeth Cleanliness During Pregnancy and After Delivery	5
	6. Signs of Complication on Pregnancy	6
	7. Prevention Measures to Complication During Pregnancy and Childbirth	7
	8. Tips for Pregnant Mother	8
	9. Meal Suggested for One Day	9
	10. Good Food for Pregnant Mother	10
	11. Iron Tablet	10
	12. Food Nutrient Groups	11
III.	Delivering Baby	
	1. Preparation Before Delivery	12
	2. Signs of Complication During Delivery	12
	3. Delivery Record	13
	4. Method of Care for Umbilical Cord	14
	5. Low Birth Weight Infant (LBWI)	14
	6. What is Tetanus Neonatorum?	15
IV.	Family Planning	16
V.	Under Five Years Old Child	
	1. Measurement of Head Circumference (MHC) for Girls	18
	2. Measurement of Head Circumference (MHC) for Boys	19
	3. Body Weight Curve of 0 to 1 Year Old	20
	4. Record of Immunization	21
	5. Common Illness of Babies and Children	22
	6. Child Growth and Development	24
	7. Child Stimulation and Development	25

V I.	Dat	by of 0 - 5 Months		
	A.	What is Needed for Health of 0 - 3 Months Baby		26
	B.	Early Stimulation for 0 - 3 Months Baby		26
•		Health Examination		27
VII.		by of 3 - 6 Months	53.1	
	A.	What is Needed for Health of 0 - 3 Months Baby		28
	B.	Early Stimulation for 3 - 6 Months Baby		28
	C.	Health Examination		29
	D.	How to Make Weaning Food (Milk Porridge)		29
VIII.	Bab	by of 6 - 9 Months		
	A.	What is Needed for Health of 6 - 9 Months Baby		30
	В.	Early Stimulation for 6 - 9 Months Baby		30
	C.	Health Examination		31
	D.	Education of Nutrition, Dental Health		31
IX.	Bab	by of 9 - 12 Months		
		What is Needed for Health 9 - 12 Months Baby		32
	В.	Early Stimulation for 9 - 12 Months Baby	*	32
	C.	Health Examination		33
		Education of Nutrition, Dental		33
Χ.		ly Weight Curve of 1 - 2 Years Old Child		35
XI.	Chi	ld of 12 - 18 Months	N	
		What is Needed for Health of 12 - 18 Months Child	:*	36
		Early Stimulation for 12 - 18 Months Child		36
		Health Examination		37
	D.	Note of Vitamin A Capsule Intake		37
XII.	Chi	ld of 18 - 24 Months		
	A.	What is Needed for Health of 18 - 24 Months Child		38
		Early Stimulation for Child of 18 - 24 Months		38
		Health Examination		39
		Education of Nutrition, Dental		39
XIII.	Boo	ly Weight Curve of 2 - 3 Years Old Child	40	41

XIV.	Chi	ild of 2 - 3 Years	
	A.	What is Needed for The Health of 2-3 Years Old Child	42
	B.	Early Stimulation for 2 - 3 Years Old Child	42
	C.	Health Examination	43
	D.	Education of Nutrition, Dental Health	43
	E.	Note of Vitamin A Capsule Intake	43
XV.	Exa	amination of Teeth Cleanliness of 2 - 6 Years Old Child	44
XVI.	Boo	dy Weight Curve of 3 - 4 Years Old Child	45
XVII.	Chi	ild of 3-4 Years	
	A.	What is Needed for The Health of 3 - 4 Years Old Child	46
	В.	Early Stimulation for 3 - 4 Years Old Child	46
	C.	Health Examination	47
	D.	Note of Vitamin A Capsule Intake	47
XVII	l. Da	ta of Pre-School Child Behaviour Questionnaires (PCBQ)	48
XIX.	Boo	dy Weight Curve of 4 - 5 Years Old Child	49
XX.	Chi	ld of 4 - 5 Years	
	A.	What is Needed for The Health of 4-5 Years Old Child	50
	В.	Early Stimulation for 4 - 5 Years Old Child	50
	C.	Health Examination	51
	D.	Education of Nutrition, Dental Health	51
	E.	Note of Vitamin A Capsule Intake	51
XXI.	Chi	ld of 5 - 6 Years	
	A.	What is Needed for The Health of 5 - 6 Years Old Child	52
	В.	Early Stimulation for 5 - 6 Years Old Child	52
	C.	Health Examination	53
	D.	Education of Nutrition, Dental Health	53
Disea	se R	ecord	54
Notes			34, 40, 55
Refer	ance	\$1.7h	56

## MOTHER AND CHILD HEALTH (MCH) HANDBOOK

## I. IDENTIFICATION AND BACKGROUND OF FAMILY

Reg. No.			Date:
Name of Mothe	er:		Blood Type of Mother:
Religion	:		
Name of Child	:		Blood Type of Child :
Birth Date / ago	e :		
Sex	: Male / Fem	nale	
Name of Father	r:		
Religion	:		
Address	: Street	:	
	Village	:	
	Subvillage	1	
	Hamlet	ż	

## BACKGROUND OF THE FAMILY

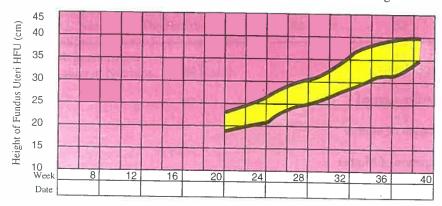
Age of Mother	:	Year	
Age when married	:	Year	
Education of Mother	:		
Occupation of Mother	:		
Education of Father	:		
Occupation of Father	:		

## II. PREGNANT MOTHER

No. of Pregnancy Sex Age Alive Dead M/F Dead Sex Age Alive Dead M/F Sex Age Alive Dead No. of Delivery \*

## 2. THE CURVE OF FUNDUS HEIGHT





#### TIP .

- The height of fundus uteri/height of the womb is under the GREEN Area (Possibility of DISTURBANCE on the fetal growth). The mother should get nutritious food of 1-2 plates more than while not pregnant, and should consult a doctor for further examination.
- The height of fundus uteri (HFU) is above the GREEN Area (Possibility of ABNORMALITY on the fetal growth, e.g.: twin, hydramnion, etc.) ----> REFER

### 3. RISK FACTORS AND HIGH RISK PREGNANCY OF MOTHER

Filled in by: Health Personnel on the first visit.

Write + if the answer is yes and - if not. DO NOT write anything if the answer is unknown.

Risk Factor	High Risk	. U
1. Primagravida is less than 20 years or more than 35 years.	1. Hb is less than 8 gr.	
2. Have more than 4 children.	2. Blood pressure is high (Systole 140 mmHg, Diastole - 90 mmHg).	
3. Interval between the last pregnancy and the present pregnancy is less than 2 years.	3 . Significant edema.	
4. Body height is less than 145 cm.	4 Eclampsia.	
5. Body weight is less than 38 kg	5. Hemorrhage per vagina.	
and circumference of upper arms is less than 23.5 cm.	6. Amnion discharge.	LJ
6. Family history suffers from	<ol><li>Breech presentation on primigavida.</li></ol>	
diabetes, hypertension and congenital abnormality.	8. Severe infection of sepsis.	
7. Abnormality of body shape,e.g. abnormality of vertebral bone	9. Premature delivery.	
or hip.	10. Multiple Pregnancy.	
	11. Huge fetus.	
	12. Chronic disease on mother: heart, lung, kidney, etc.	
	13. Bad obstetric record, cesarean section record and complication on pregnancy.	

- If you are classified as having high risk, you are suggested to deliver in a hospital.
- If you are classified as having risk factors, you are suggested to deliver in a hospital.

<sup>\*</sup> In this column, if miscarriage, write miscarriage and age of pregnancy.

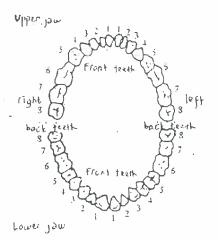
<sup>\*\*</sup> In this column, write the cause of death, etc.

## 4. ANTENATAL CARE

Filled in by: Health Personnel

Gestational Week	T .	1						T		
Date of visit	8	12	16	20	24	28	32	36	38	40
Date of visit										
Weight	-	ļ								
Weight										
Blood pressure	-			-						
Blood pressure										
Fundus height										
1 dildus ileigiit										
Fetal presentation										
1 otal prosontation										
Fetal heart beat	+									
r otal moure oout										
Tetanus Toxoid	<del> </del>									
70101100										
Iron tablet	<del> </del> -									
Iodine capsule	-									
Suppl. feeding/	1									
Nutrition Education										
Edema	1							,		
Lab.examination*)	1									
- urine : protein										
reduction										
- blood : Hb										
VDRL										
- others										
FDLM:			Es	stimatio	on Day	of Deli	very :			
(First Day of Last										
Menstruation)		<del></del>								
Complaint										
					_					
Record:										
- Medication	10									
- Refferal										
- Kenerai										
							19			

<sup>\*)</sup> Laboratory examination is only based on the condition.



BRUSH YOUR TEETH AFTER EVERY MEAL

HAVE YOUR TEETH EXAMINED BY THE DENTIST OR IN HEALTH CENTRE, AT LEAST ONCE EVERY SIX MONTHS

Filled in by: Health Personnel

EXAMINATION	I	II
Date		
Age of pregnancy		
Toothache		
Cavity		
Filled teeth		
Bleeding gum		
Others		
	i	
Advice		

Filled in by: Dental Health Personnel

DIAGNOSIS	MEDICATION
7.	
1	

Get help as soon as possible



Nausea and vomiting more than 6 times/day



Hemorrhage



Convulsion



Edemo on leg + headache



Amnion discharge



No fetal movement



Severe pain on the stomach or fainting during delivery



Fever more than 3 days



Pale

# PREVENTION MEASURES TO AVOID COMPLICATION DURING THE PREGNANCY AND THE CHILDBIRTH

- Eat 1 2 plates MORE of food than usual every day during pregnancy and breast-feeding.
- EXAMINE your pregnancy AS EARLY AS POSSIBLE and REGULARLY for at least 4 times :

once when the pregnancy is 1 - 3 months of age once when the pregnancy is 4 - 6 months of age twice when the pregnancy is 7 - 9 months of age.

- 3. Ask for T.T (Tetanus Toxoid) injection twice during pregnancy.
- Take IRON TABLET during pregnancy until 42 days after delivery. (at least 90 tablets)
- 5. PREPARE for breastfeeding by breast care regularly during pregnancy. Give BREAST MILK exclusively to your baby SOON AFTER DELIWERY until the baby is 4 months age and continue giving breastmilk and add supplementary food at least until the baby is 2 years.
- Ask for help to the HEALTH PERSONNEL if you feel any abnormality during pregnancy.
- Ask for delivery to:
   HEALTH PERSONNEL AND / OR TRAINED TRADITIONAL BIRTH ATTENDANT (TBA).
- 8. Do not do any heavy work.

7.

9. Get 1 high dose of vitamin A capsule soon after delivery.



TAKE NUTRITIOUS FOOD AND ADEQUATE QUANTITY



KEEP THE BODY CLEAN



DO NOT TAKE ANY MEDICINE WITHOUT DOCTOR'S ADVICE



SUFFICIENT REST



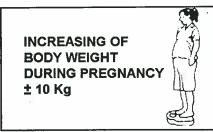
TAKE IRON TABLET REGULARLY



HAVE HEALTH EXAMINATION



ASK FOR TT INJECTION TWICE WITH ONE MONTH INTERVAL



CONTROL YOUR BODY WEIGHT

9

## **MEAL SUGGESTED FOR ONE DAY**

CLASSFICATION	Body Weight (kg)	RICE 200 g or its substitution	SIDE -DISHES 50 g of 25 g of fish / tempe (soybean curd) or its substitution	VEGE TABLE 100g	FRUITS 100g papaya or its substitution	MILK 200 cc
WOMAN		31/2 X	11/2 X	11/2 X	<u>2</u>	
20-39 years	50		3x			
40.50	50	3x	11/2 X	11/2 X	2	
40-59 years	50		3x			
Pregnant		4x	2x 4x	3x	2	1x
Lactating		5x	2x 5x	3x	2	1x

NOTE: 100 gr raw rice = 200 gr boiled rice

EAT ONE EGG PER DAY OR EAT ANY EGG RICH FOOD 10.

#### GOOD FOOD FOR PREGNANT MOTHER

Every day, pregnant mother SHOULD eat nutritious food 1-2 plates MORE than usual.

OR

Add some more food in each meal or EAT SEVERAL SNACKS, such as: GREEN BEAN PORRIDGE, CAKE, CROQUETTE, etc.

For the growth of BONES AND TEETH of the FETUS, the Pregnant Mother SHOULD EAT CALCIUM rich food such as SOYBEAN CURDS (TEMPE), TOFUS BEANS, MUSTARD GREENS, SPINACHES, FISHES, LIVERS, SHELLFISHES, etc.

To prevent from catching ANEMIA, the Pregnant Mother should eat IRON rich foods, such as: DARK GREEN VEGETABLES, LIVERS, MEATS, EGGS, BEANS, SOYBEAN CURDS, etc.

11.

## IRON TABLE

DON'T FORGET! PREGNANT MOTHER should take IRON TABLET:

- \* Since the FIRST MONTH of pregnancy
- \* ONE TABLET every day
- \* Will be very useful if taken regularly

PRIVATE DOCTOR

\* It can be obtained from:

Integrated Health Post (POSYANDU)
Health Center (PUSKESMAS)
Village Delivery Post (POLINDES)
MATERNITY HOSPITAL / CLINIC
GOVERNMENT / PRIVATE HOSPITAL
PRIVATE MIDWIFE

12.

## **FOOD GROUPS**

Healthy food for pregnant mother and under five children should content 3 groups of food as follows:

1. SOURCE OF ENERGY	2. SOURCE OF BUILDER	3. SOURCE OF REGULATOR
CORN  BLACK RADISH	CHICKEN  MEAT SHRIMP  LIVER  SALTY FISH	SPINACH  CASSAVA LEAF LONG BEAN
BREAD SAGC	TOFU(TAHU! TEMPE (SOYABEAN CURD) PEANUT  GREEN BEAN  MILK KIDNEY BEAN	MUSTARD GREENS  TOMATO  JACK FRUIT  PINE  APPLE  PAPAYA  BANANA

- Energy element or Carbohydrat forms energy in our body for living and activities. This element is very easy to be obtained.
- Builder element or protein is needed for good growth of body, especialy for children and pregnant mothers, they require sufficient protein for defence of body.
- Vitamin and mineral are required for good care of body and regulate digestion.

## **III. DELIVERING MOTHER**

## 1. PREPARATION BEFORE DELIVERY

- 1. THE HANDS OF THE BIRTH ATTENDANT should be washed with SOAP and BRUSH.
  - (The dirt under the nails as well)
- 2. THE SHEET for the mother to lie should be CLEAN.
- 3. The SCISSORS/ KNIFE for cutting the umbilical cord should be sharp, not rusty and have been boiled for 15 MINUTES.
- 4. The binder for the Umbilical Cord should also be boiled for 15 minutes.
- 5. The umbilical cord care must be sterile do not add any ingredient / kitchen ash.
- 6. Pregnant Mother must get twice Tetanus Toxoid injections during pregnancy.

## 2. SIGNS OF COMPLICATION DURING DELIVERY

- 1. Obstructive Labor: more than 18 hours at the first pregnancy
  - more than 12 hours at the seconds, third pregnancy and so on.
- 2. Fetus is in BREECH presentation, lie across or twins.
- 3. BLEEDING from the birth canal before the delivery.
- 4. The umbilical cord or extremity is emerging/coming out first
- 5. Fainting.
- 6. Convulsion.
- 7. Amnion fluid SMEELS BAD or is dark in color.

APGAR SCORE (check 1 and 5 minutes after delivery)
--

SIGN	SCORE			
Sidiv	0	1	2	
- Heart rate	None	<100	>100 Good and	
- Respiratory effort	None	Weak/irregular	regular Active move	
- Muscle tone	Flaccid	Flexed extremities	Cry strongly The whole body	
- Reflex - Skin color	None The whole body is pale or blue	Little movement Blue extremities		

#### 3. DELIVERY RECORD

Filled in by: Health Personnel /
Traditional Birth Attendant

Date of delivery	:			
Age of pregnancy	:			
Status of infant	:	Alive / died / misca others :refer to :		
Status of mother	:	Good Health / Sick refer to:	/ Died,	
Apgar score :		7 - 10 (normal bab		
		4 -7 (moderate asp	hyxia)	8)
		0 - 3 (severe asphy	/xia)	8
Sex	:	Male / Female		
Place of delivery	:	<ul><li> Hospital</li><li> Maternity clinic</li><li> Her own house</li></ul>	- Trad	vife's house itional Birth Attendant rs
Address	:			
Birth Attendant	:	- Doctor - Midwife	- Trained	traditional birth attendant ed traditional birth attendant
Address	:		• • • • • • • • • • • • • • • • • • • •	
Delivery	:	Spontaneous / oper	ated	
Cord cutter	:	- Scissors - Razor - Common knife		- others
Cord care	:	- Povidone Iodine (Bethadine) - alcohol		- others
Abnormality of the	: b n	aby :nother : Date :	cm	•

### 4. HOW TO TAKE CARE OF THE UMBILICAL CORD

- 1. The umbilical cord should be cleaned EVERYDAY.
- 2. Clean with Povidone Iodine / Alcohol 70%.
- 3. Apply Povidone Iodine / Alcohol 70%.
- 4. COVER with GAUZE which is WETTED with Povidone Iodine / Alcohol 70%.
- 5. Continue this care until the umbilical cord is TAKEN OFF.

Soon after THE BABY IS BORN, the baby must be embraced to his/her mother and BREASTFED

It is better for the baby to ROOM IN with his/her MOTHER.

While BREASTFEEDING, HOLD the baby on your LAP and give him/her WARMTH and Pleasant Situation.

### 5. LOW BIRTH WEIGHT INFANT (LBWI)

birth weight is less than 2500 gram

- 1. This happens because the baby is born before 9 months or is born in sufficient months but does not grow well in uterus.
- 2. These babies are weak, easy to catch cold, often get choked, easy to suffer from illness, breathing problems and easy to die when suffer an illness.
- 3. Wrap the baby with clean, thick and dry sheet, and it should be changed every time the baby urinates.
- 4. Put something warm near the baby (wrap a bottle of hot water with cloth).
- 5. Keep on giving BREAST MILK (if the baby can not suck, squeeze the BREAST MILK and give it to the baby with spoon).

## WHAT IS TETANUS NEONATORUM?

Tetanus neonatorum is a disease suffered by the NEWBORN BABY which can cause DEATH in just a few days.

This disease is caused by: Tetanus germs enter through the UMBILICAL CORD which is not clean or APPLIED WITH INGREDIENTS.

### SIGNS:

- 1. Baby which previously can be breastfed, SUDDENLY CANNOT.
- 2. Baby's mouth looks like FISHMOUTH.
- 3. Baby suffers CONVULSION, especially when touched, glittered, or hit by a loud sound.
- 4. When cramped, the baby's face sometimes becomes blue and the JAW IS LOCKED / cannot open wide.
- 5. Baby sometimes suffers from fever.

#### THESE SIGNS START:

3 - 4 DAYS after birth.

### THIS DISEASE CAN BE CAUSED BY:

- 1. Unhygienic cutting of umbilical cord.
- 2. The unhygienic treatment of umbilical cord until it is taken off, or applied with ingredients.
- 3. The mother DID NOT get Anti Tetanus (TT) injection when she was pregnant, so the mother and the baby do not immune against tetanus germs.

Hold your baby on your lap and hug your baby as often as possible.

Do not let the baby cry too long. Crying indicates that your Baby: DOES NOT FEEL COMFORTABLE and NEEDS YOUR HELP.

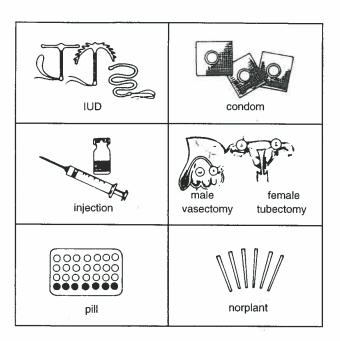
## IV. FAMILY PLANNING

FAMILLY PLANNING		
Filled in by: HEALTH Contraceptive method Condom Pill Implant I.U.D. Injection Operation for female Operation for male	: : dated : dated : dated : dated : dated : dated	

# BASIC PATTERN OF RATIONAL USE OF CONTRACEPTIONS

Period of Postponing fertility (Pregnancy)	Period of Adjusting fertility/ Spacing out pregnancy 3 - 5 years	Period of Ending fertility (do not pregnant anymore)
Under 21 years	21-30 years	Over 30 years
Pill Condom	IUD Injection Norplant Pill Condom	Vasectomy & Tubectomy Norplant IUD Injection Pill Condom

## **VARIOUS CONTRACEPTIVE INSTRUMENTS / MEDICATIONS**



## EVERY COUPLE CAN CHOOSE ONE OF

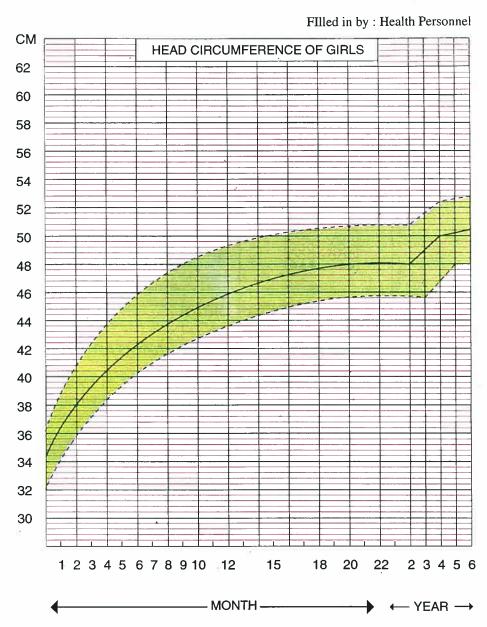
## **CONTRACEPTIONS MENTIONED ABOVE**

## TO OBTAIN THE SERVICE, COUPLES CAN GO TO:

- Hospital
- Maternity Clinic
- Health Center (Puskesmas)
- Integrated Health Post (Posyandu)
- Village Midwife
- Others

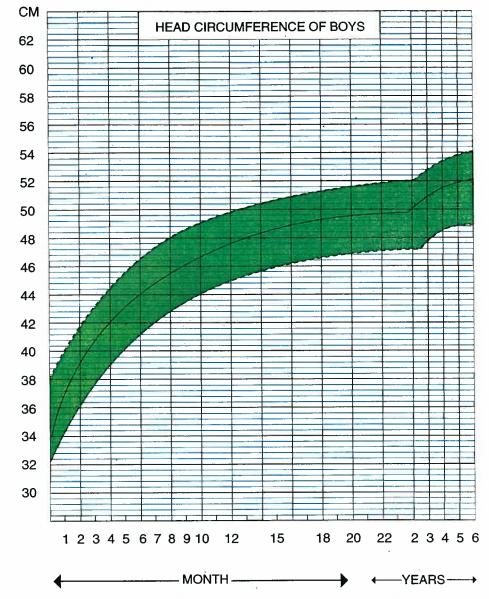
## V. UNDER FIVE YEARS OLD CHILD

## 1. MEASUREMENT OF HEAD CIRCUMFERENCE (MHC) OF GIRLS

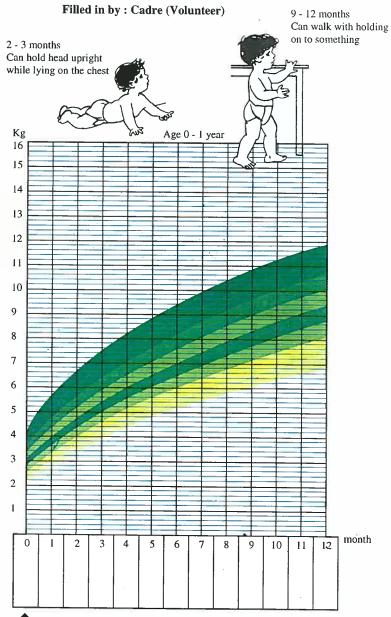


## 2. MEASUREMENT OF HEAD CIRCUMFERENCE (MHC) OF BOYS





## 3. BODY WEIGHT CURVE OF 0 - 1 YEAR OLD BABY



Fill in this column with month and year of the child's birth.

Fill in the next columns with the following months.

## 4. RECORD OF IMMUNIZATION

IMMUNIZATION TYPE	DATE OF IMMUNIZATION					
	1	11	İH	IV		
B.C.G.		77				
HEPATITIS B				1		
D.P.T.				1		
POLIO						
MEASLES						

IMMUNIZATION FOR	VACCINE GIVEN	TO PREVENT THE ILLNESS OF	IMMUNIZATION GIVEN
BABY	B.C.G	TUBERCULOSIS (TBC)	1 x
	D.P.T	DIPTHERIA, PERTUSSIS, TETANUS	3 x
	POLIO	POLIOMELITIS (PARALYSIS)	4 x
	MEASLES	MEASLES	1 x
	HEPATITIS	HEPATITIS B	3 x

suffer from the illness of: TBC, Diphteria, Pertussis, or whooping cough, Tetanus, polio or paralysis, Mepatitis B.	,
Get the immunization as early possible to prevent those illness.	
To get immunization, go to : HEALTH CENTER, HOSPITAL or HEALTH SERVICE POST and PRIVATE MIDWIFE / DOCTOR.	
Colostrum contains a lot of immune elements, give Colostrum as first Immunization before giving another Immunization.	

## 5. ILLNESS THAT OFTEN SUFFERED BY BABIES & CHILDREN

## ACUTE RESPIRATORY INFECTION (ARI)

If the child COUGHS, observe:

- Does the child find it difficult to breathe such as FAST BREATHING AND CHOCKED.
- Does the child suffer from CONVULSION, Cannot DRINK, or is Unconscious.

If so, go for help to HEALTH PERSONNEL.

If the child coughs commonly without those indications, just treat at home, i.e.:

- Give the child meal as usual and a lot of drinks.
- Clean his nose if necessary.
- Keep on breastfeeding the child.
- Give him traditional medicine for cough : 1 tea spoon of lime water + 1 tea spoon of sweet soybean sauce or honey

### • DIARRHEA

(Watery stool/water, usually more than 3 times a day)

## THE DANGER OF DIARRHEA

- 1. Child will be dehydrated.
- 2. Child will feel tired and weak.
- 3. Child may die if he is dehydrated furthermore.

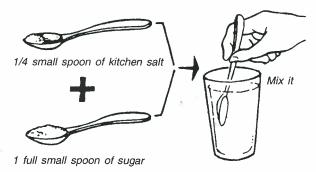
Child with diarrhea should be given drink, any form of home made drink:

- Breast milk
- Boiled water
- Tea
- Soup
- Sugar-salt solution
- Oral rehydrated solution (ORS)

## HOW TO MAKE ORAL REHYDRATING SOLUTION (ORS):

- 1. Provide 1 glass of boiled water or weak tea (220 cc).
- 2. Put in one pack of ORS: 200 cc (in red color).
- 3. Stir until completely mixed.

If there is no ORS, you can make a drink by yourself : sugar-salt solution. Mix :



1 glass of boiled water (or tea)

MEASUREMENT OF ORS/HOME MADE DRINK (SUGAR-SALT SOLUTION)		
	The First 3 Hours	Everytime the child have diarrhoea
Child under 1 year	1 1/2 glasses	1/2 glass
Child under 5 years	3 glasses	1 glass
Child over 5 years	6 glasses	1 1/2 glasses
Child over 12 years	12 glasses	2 glasses

NOTE: Breast milk is still given especially for babies.

6.

## CHILD GROWTH AND DEVELOPMENT

## CHILD GROWTH:

Change of body measurement, i.e. from small to big.

### **CHILD DEVELOPMENT:**

Change of ability, i.e.: from limited ability after birth into more ability such as walking, smiling, speaking, etc.

### **CHILD DEVELOPMENT:**

- a. Gross motor development
- b. Fine motor development
- c. Passive language development
- d. Active language development
- e. Intellectual development
- f. Self-help development
- g. Social development.

# THERE ARE 4 TYPES OF DEVELOPMENTAL COMPONENT MONITORED AND STIMULATED, i.e.:

- 1. Gross motor development (GM).
- 2. Fine motor development (FM).
- 3. Language and intellectual development (LI).
- 4. Self-help and social development (SS).

## STIMULATION AND CHILD DEVELOPMENT

## **OBJECTIVE**

Helping the child to reach optimum level of development / in conformity with the expectation.

## ACTIVITY

- It is covering various activities to stimulate the child development:
- Practice of moving, speaking, thinking, self-help, and socializing.
- These should be done by PARENTS / FAMILY every time
- The practice is adjusted with age and principle of stimulation.

## THE PRINCIPLE OF STIMULATION

- 1. As an expression of love and care, play with the child and be happy together.
- 2. Phase by phase & continously, cover 4 components of development.
- 3. Start from the phase reached by the child
- 4. Conduct naturally, without force / punishment / scolding if the child can not do it.
- 5. Give the child complement if he  $\!\!\!\!/$  she succeeds.
- 6. Simple aids can be obtained easily, such as : toy made of used material, or any material found at home or anything found in surrounding.
- 7. Pleasant, varied and fresh situtions are to be made in order not to make it boring

## VI. BABY OF 0 - 3 MONTHS

# A. WHAT IS NEEDED FOR THE HEALTH OF 0 - 3 MONTHS OLD BABY.

Filled in by : Cadre / Parents		
Child development	Month 1 mo 2 mo 3 mo	المالية
<ol> <li>Moving both hands and legs actively (GM)</li> </ol>	/.	
2. Reacting by looking at the direction of light source. (FM)		
<ol><li>Mumbling &amp; reacting towards sound / voice. (LI)</li></ol>		
4. Reacting by smilling towards asking		

## B. EARLY STIMULATION FOR 0 - 3 MONTHS OLD BABY.

By: Parents / Care takers.

- Social and self-help development (SS):
   Treat your baby softly; love, cuddle and sing for him / her a song, etc.
- 2. Languange and intellectual development (L1):
  Ask your baby to listen to various kinds of sound (bird's singing, radio, etc).
- 3. Gross motor development (GM):

  Teach your baby to hold his / her head in a straight position while lying on the chest and to observe a moving object.
- 4. Fine motor development (FM): Teach your baby to grip small things.





## C. HEALTH EXAMINATION

Filled in by : HEALTH PERSONNEL

		1 MTH	2 MTHS	3 MTHS
1.	Weight (Normal Gaining/Under Red Line)			
2.	Head Circumference (Normal/Not Normal)		,	
3.	Child Development			
	- Normal (N)			
	- Observation (0)			
4.	Visual Test (Normal/Not Normal)			
5.	Hearing Test (Normal/Not Normal)			

BREASTFEED EXCLUSIVELY YOUR BABY UNTIL HE/SHE IS 4 MONTHS OLD.

\* GO TO HEALTH PERSONNEL FOR EXAMINATION "WHEN YOUR BABY IS ILL"

"ASK FOR" IMMUNIZATION			
0 Month	HB.1	BCG	POLIO.1
2 Month	HB.2	DPT.1	POLIO.2

Yi	Date
1.	
2.	
3.	
4.	

## VII. BABY OF 3 - 6 MONTHS

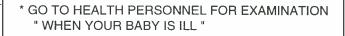
# A. WHAT IS NEEDED FOR THE HEALTH OF 3 - 6 MONTHS OLD BABY

Child development		
Filled in by : Cadre / Parents	Months _	
	mths 5 mths 6 mths	
4. Searching for moving things. (SS)		
9		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

## B. EARLY STIMULATION FOR 3 - 6 MONTHS OLD BABY

By: Parents / Care Takers

- Gross motor development:
   Teach your child to go up and down the stairs.
- 2. Fine motor development :
  Play throw-and-catch with your child.
  First with a big ball, then small one.
- 3. Language and intellectual development: Teach your child to point and name parts (organ) of the body.
- 4. Social and self-help development :
  Give the child a chance to take off his/her own cloth.







## HEALTH EXAMINATION

Filled in by: Health Personnel

		4 MTHS	5 MTHS	6 MTHS
1.	Weight (Normal Gaining / Under Red Line)	572		
2.	Head Circumference (Normal / Not Normal)			
3.	Child Development			
	- Normal (N)	10 10 No.	TIME IN	
	- Observation (O)		FRESTITIES.	
4.	Visual Test (Normal / Not Normal)			
5.	Hearing Test (Normal / Not Normal)			

D. Starting from 4 months of age, give supplement mashed food (e.g. MILK PORRIDGE). Start with one small plate twice a day.

"BREAST MILK" is continued to be given until at least 2 years of age.

## HOW TO MAKE MASHED FOOD (MILK PORRIDGE):

Ingredients:

- Rice flour

1.5 table spoon

- Formula milk

3 table spoon

- Boiled water

1 big glass

- Sugar

1 table spoon

Mix all ingredients, cook it on the stove with medium fire and stir until it is done.

"ASK FOR "IMMUNIZATION

3 Months DPT.2 POLIO.3
4 Months DPT.2 POLIO.4

Date	
1.	
2.	
3.	

## VIII. BABY OF 6 - 9 MONTHS

## A. WHAT IS NEEDED FOR THE HEALTH OF 6 - 9 MONTHS OLD BABY

	development in by : Cadre / Parents	Month 7 mths 8 mths 9 mths	
ke	hile seated, the child can ep his/her head straight. M)		
	ssing thing from one hand to other . (FM)		
	oughing / shouting / watching eresting things. (LI)		Sian Contract of the Contract
4. Ea (SS	ting biscuits without help.		

## B. EARLY STIMULATION FOR 6 - 9 MONTHS OLD BABY.

By: Parents / Care Takers

- Gross motor development : Teach your child to walk by holding onto some support.
- 2. Fine motor development:

  Teach your child to put in or take out thing from a container.
- 3. Language and intellectual development: Teach your child to imitate words.
- 4. Social and self-help development:
  Ask your child to play with other person.
  - \* GO TO HEALTH PERSONNEL FOR EXAMINATION "WHEN YOUR BABY IS ILL "

" ASK	FOR " IMMUNIZATION
6 Months	HB.3
9 Months	MEASLES

## C.

## **HEALTH EXAMINATION**

Filled in by: Health Personnel

		7 MTHS	8 MTHS	9 MTHS
1.	Weight (Normal Gaining / Under Red Line)			
2.	Head Circumference (Normal / Not Normal)			
3.	Child Development		1.3	
	- Normal (N)			
	- Observation (O)			
4.	Visual Test (Normal / Not Normal)	=		
5.	Hearing Test (Normal / Not Normal)			

During 6 months of age, child needs MASHED FOOD 4 or 5 times a day of 1 small plate (1 - 2 table spoon). After 9 months, gradually (at first 1 plate and so on) food changed with SOFT FOOD.

"BREAST MILK" is continued until at least 2 years old.

## HOW TO MAKE SOFT FOOD:

For one portion of food, mix the following:

- Rice

2 table spoon

- Fish / chopped meat / chicken liver

3 table spoon

- Vegetable (choose 1 or 2 kinds of vegetable e.g. spinach, water cabbage, carrot, cassava leaf, yellow pumpkin, etc.)
- Water

3 - 4 big glasses

- Salt

a little

- Wash the ingredients, cut into small pieces.
- Put the rice and fish into the pan and water them. Cook it on the stove with medium fire and cover the pan.
- After it is boiling, keep on stirring until it is done, then put in tempe / tofu and vegetable.
- · Keep on stirring until it is thick & done.

THE TEETH of the baby have already GROWN.
Clean the baby's teeth with wetted COTTON DIPPED INTO WARM WATER
AFTER breastfed and other food supplement or AT LEAST after bath.

	Date
1.	
2.	
3.	

## IX. BABY OF 9 - 12 MONTHS

## A. WHAT IS NEEDED FOR THE HEALIH OF 9 - 12 MONTHS OLD BABY.

	ild development led in by: Cadre / Parents	Mor 10 mths 11 m		
1.	Walking with holding onto support. (GM)			
2.	Ability to seize small things. (FM)			
3.	Saying two same syllables. (LI)		Par	
4.	Reacting to "peek-a-boo" game. (SS)			

## B. EARLY STIMULATION FOR 9 – 12 MONTHS OLD BABY.

By: Parents / Care Takers

- 1. Gross motor development:

  Teach your child to walk by himself.
- Fine motor development:
   Ask your child to roll the ball.

   Roll the ball towards the child and ask him to roll it back to you.
- 3. Language and intellectual development:

  Teach your child to imitate words, teach him
  new words while pointing at picture.
- 4. Social and self-help development:

  Ask your child to join the family activity e.g. having dinner together.





## C. HEALTH EXAMINATION

Filled in by : Health Personnel

		10 MTHS	11 MTHS	12 MTHS
1.	Weight (Normal Gaining/Under Red Line)			
2.	Head Circumference (Normal/Not Normal)			
3.	Child Development		E	
	- Normal		Ē	
	- Observation	11 11 11 11 11	Ų.	
4.	Visual Test (Normal/Not Normal)	10.50 F. 2011	Ň	
5.	Hearing Test (Normal/Not Normal)		1	

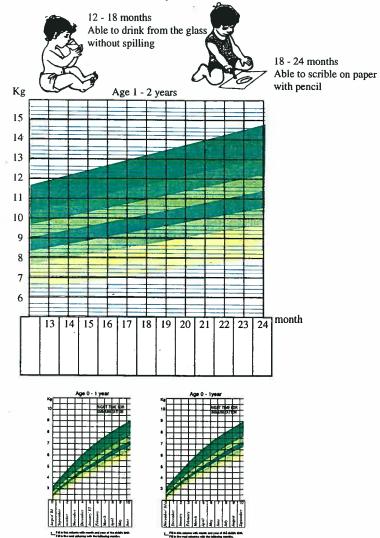
- D. \* GIVE SOFT FOOD GRADUALLY 4 5 TIMES A DAY OF 1 MEDIUM PLATE, BESIDE KEEP ON GIVING "BREAST MILK"
  - \* START TEACHING THE CHILD TO USE TOOTHBRUSH, TWICE A DAY WITHOUT TOOTHPASTE Morning after meal, night before bed. EXAMINE THE CHILD'S TEETH.
  - \* GO TO HEALTH PERSONNEL:
  - " WHEN YOUR BABY IS ILL."

Date	
1.	
2.	
3.	

## **NOTES:**

## X. BODY WEIGHT CURVE OF 1 - 2 YEARS OLD CHILD

Filled in by : Cadre



If the body weight does not increase or decreases, it means that the child is not healthy

GET VITAMIN A CAPSULES every FEBRUARY and AUGUST for 1 - 5 YEARS OLD CHILD

## XI. CHILD OF 12 - 18 MONTHS

# A. WHAT IS NEEDED FOR THE HEALTH OF 12 - 18 MONTHS OLD CHILD

Child development		
Filled in by : Cadre / Parents	15 mths 18 mths	(
1. Ability to walk by himself and		6)
not to fall. (GM)		V
2. Ability to seize small things with		1
thumb and index fingers . (FM)		F
3. Ability to express his/her will in a simp	le 📉	H
wav. (LI)		

# B. EARLY STIMULATION FOR 12 - 18 MONTHS OLD CHILD.

By: Parents / Care Takers

4. Ability to drink from the glass by

himself without spilling. (SS)

- 1. Gross motor development:
  Teach your child to go up and down the stairs.
- 2. Fine motor development:
  Play throw-and-catch with your child.
  First with a big ball, then small one.
- 3. Language and intellectual development: Teach your child to point and name parts (organ) of the body.
- 4. Social and self-help development : Give the child a chance to take off his/her own cloth.



## C.

## **HEALTH EXAMINATION**

Filled in by: Health Personnel

		13	14	15	16	17	18
1.	Weight (Normal Gaining / Under Red Line)						
2.	Head Circumference (Normal / Not Normal)				8		
3.	Child Development	Ethe					
	- Normal (N)	2000	12657				
	- Observation (O)	24,50	(A34)E		STE		
4.	Visual Test (Normal / Not Normal)			ENG-Z			
5.	Hearing Test (Normal / Not Normal)		0.00			Pre l	
6.	Teeth Growth (Normal / Not Normal)		Z.E.	E SPECI	1880		5789

- D. \* Accustom the child to eat sources of natural vitamin A e.g. spinaches, cassava leaves, carrots, eggs, livers, etc.
  - \* Vitamin A is for the CHILD'S SURVIVAL and TO PREVENT BLINDNESS and TO IMPROVE the body resistance against any illness.
  - \* Give SOLID FOOD to your child and KEEP ON giving breast milk until the child is at least 2 years. Solid food is rice and its side-dishes.

Filled in by : Cadre

NOTE OF VIT. A CAPSULE GIVING FOR CHILD OF 1 - 2 YEARS					
FEBRUARY	DATE	AUGUST	DATE		
FEDRUARI		AUGUST			

<sup>^</sup> Date	
1.	
2.	
3.	

### XII. CHILD OF 18 - 24 MONTHS

## A. WHAT IS NEEDED FOR THE HEALTH OF 18 - 24 MONTHS OLD CHILD

Child development Filled in by : Cadre / Parents	21 mths 24 mths	
Walking backwards at least 5 steps. (GM)		
2. Scribbling with pen. (FM)		
3. Pointing at parts of the body & naming them. (LI)		
Imitating household chores.     (SS)		
D. FADLY OTHER II ATION FOR	10 OA MONTHS OF DOWN D	and I
B. EARLY STIMULATION FOR 1 By: Parents / Care Takers	18 - 24 MONTAS OLD CHILD	

Gross motor development :

Teach the child to stand on one leg.

- 2. Fine motor development :
  Teach the child to draw circles and triangles and faces.
- 3. Language and intellectual development : Teach the child to follow simple order.
- 4. Social and self-help development:

  Train the child to stay without his/her mother for a while.







## HEALTH EXAMINATION

Filled in by: Health Personnel

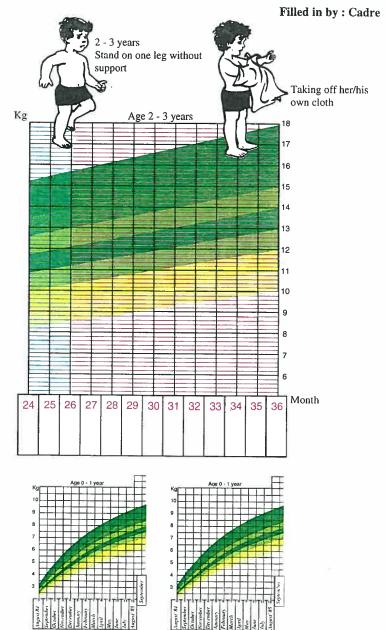
		19	20	21	22	23	24
1.	Weight (Normal Gaining / Under Red Line)						
2.	Head Circumference (Normal / Not Normal)						
3.	Child Development					Peneticus Peneticus	
	- Normal (N)	Same.	EBUT			ON POST	
	- Observation (O)	LANCE			Meses	200	
4.	Visual Test (Normal / Not Normal)	200	Fields		And the	SIL	
5.	Hearing Test (Normal / Not Normal)	鐵路河南			KEIG	<b>Particular</b>	
6.	Teeth Examination : Caries		[原體]			TREET,	
	Gingivitis	EAG	是到	體部	EXCH		

- D. \* GIVE "SOLID FOOD" TO YOUR CHILD and KEEP on giving breast milk until he is at least 2 years old. Solid food is rice with its side-dishes.
  - \* At 24 months of age, baby teeth have already been completed (20). Teach your child to BRUSH HIS/HER TEETH with fluorized toothpaste.
  - \* Bring your child to dental check at Health Center if he/she has trouble.

Date	
1.	
2.	
3.	

## NOTES:

## XIII. BODY WEIGHT CURVE OF 2 - 3 YEARS OLD CHILD.



If the body weight increases, it means the child is healthy

## XIV. CHILD OF 2 - 3 YEARS

# A. WHAT IS NEEDED FOR THE HEALTH OF 2 - 3 YEARS OLD CHILD.

Child development Filled in by : Cadre / Parents	30 mths 36 mths	Cit
Standing on one leg without holding on at least 2 counts. (GM)		Q
Imitating to draw straight lines.  (FM)		
3. Expressing his/her will at least with two words. (LI)		C
4. Taking off his/her own clotch. (SS)		( )
		Ψ.

# B. EARLY STIMULATION FOR 2 - 3 YEARS OLD CHILD

By: Parents / Care Takers

- 1. Gross motor development Teach the child to hop on one leg.
- 2. Fine motor development :
  Ask the child to play formats and piling building blocks
- 3. Language and intellectual development: Teach the child to identify structures and colors.
- 4 Social and self-help development: Give the child a chance to wash his hands and legs and dry them by himself

GO TO HEALTH PERSONNEL FOR EXAMINATION : "WHEN YOUR CHILD IS ILL."





## C.

## **HEALTH EXAMINATION**

Filled in by: Health Personnel

	7/2 - 1	27	30	33	36
1.	Weight (Normal Gaining / Under Red Line)				
2.	Head Circumference (Normal / Not Normal)	35		0.2	
3.	Child Development				
	- Normal (N)				
	- Observation (O)				
4.	Visual Test (Normal / Not Normal)	AUN		ALC:	
5.	Hearing Test (Normal / Not Normal)	hallihan)		E CARDON	
6.	Teeth Examination : Caries	600000		PON M	
	Gingivitis	<b>表於祖</b>		20 m (18)	

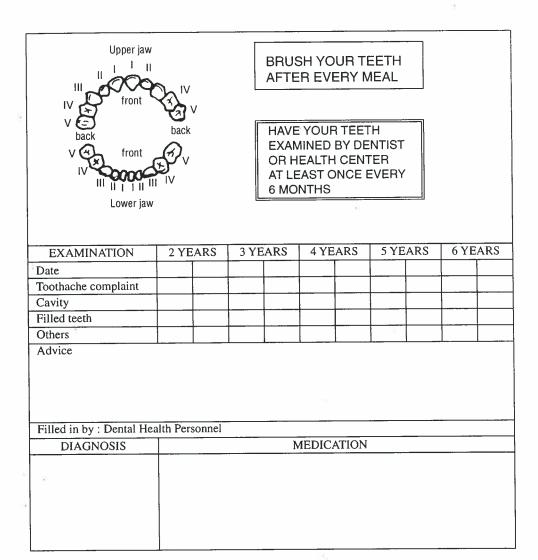
- D. \* WEAN YOUR CHILD, SUBSTITUTE BREAST MILK WITH COW MILK/FORMULA TWICE A DAY. CHILD FOOD OF " 4 HEALTHY 5 EXCELLENT "
- \* BABY TEETH ARE COMPLETE.
  HAVE YOUR CHILD'S TEETH EXAMINED TWICE A
  YEAR
  WHEN THERE IS A TOOTH DAMAGE, TAKE THEM
  TO HEALTH CENTER
- \* BRUSH TEETH REGULARLY \*

E. NOTE OF VIT. A CAPSULE GIVING				
EEDDIIADV	DATE	AUGUST	DATE	
FEBRUARY		AUGUST		

Date	
1.	
2.	
3.	

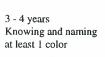
## XV. EXAMINATION OF TEETH CLEANLINESS OF 2 - 6 YEARS OLD CHILD

Filled in by :Health Personnel

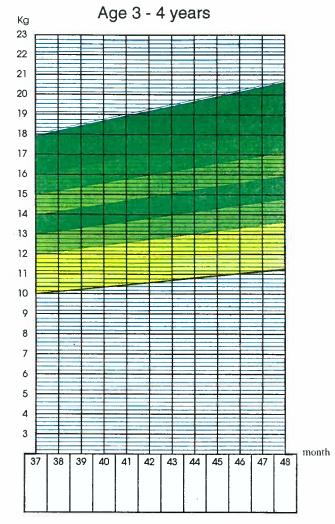


## XVI. BODY WEIGHT CURVE OF 3 - 4 YEARS OLD CHILD

Filled in by : Cadre







## XVII. CHILD OF 3 - 4 YEARS

## A. WHAT IS NEEDED FOR THE HEALTH OF 3 - 4 YEARS OLD CHILD

Child development		35
Filled in by : Cadre / Parents	42 mths 48 mths	
1. Walking on toes. (GM)		1
2. Drawing circles. (FM)		THE
3. Identifying at least one color. (LI)		1/3/
4. Following simple game system. (SS	S)	77 0
	Ãt.	26

- B. EARLY STIMULATION FOR 3 4 YEARS OLD CHILD.
  By: Parents / Care Takers
- Gross motor development : Teach the child to hop on one leg.
- Fine motor development : Teach the child to cut pictures and arrange them to make a story.
- Language and intellectual development:
   Teach the child to identify structures and colors.
- 4. Social and self-help development: Teach the child to behave politely eg: say thank you, kiss hands, etc.





## HEALTH EXAMINATION

C.

- \* GOTO HEALTH CENTER PERSONNEL FOR EXAMINATION:
- "WHEN YOUR CHILD IS ILL"
- \* HAVE THESE EXAMINED : YOUR CHILD'S VISUAL CAPABILITY AND BEHAVIOUR

D.	NOTE OF VIT. A CAPSULE GIVING					
	FEBRUARY	DATE	AUGUST	DATE		
			AUGUST			

CHILD'S FOOD " 4 HEALTHY 5 EXCELLENT "

Date	
1.	
2.	
3.	

# XVIII. DATA OF PRE-SCHOOL CHILD BEHAVIOUR

QUESTIONNAIRES (PCBQ)
Filled in by : HEALTH PERSONNEL (Examined since the child is 3 years)
(See Manual Book page 65)

Date of Examination :		T			1 1		- /				T	
Child's age (mth) :				<del> </del>							<del> </del>	
How long have you known the child												
( in month )										=		
child behaviour	Т	К	S	T	К	S	T	K	S	T	К	S
Difficult to sit / be quiet												
Restless												
Destroy things												
Fight												
Being disliked												
Worry too much												
Prefer to be alone												
Easy to be angry												
Sad, depressed												
Uncontrol movement												
Biting the nail												
Disobeying												
Difficult to concentrate							21					
Afraid of new things												
Demanding												
Lie												
Urinate / defecate in the pant												
Hasty in talking												
Difficult to talk												
Disturbing												
No attention												
Can't give												
Easy to cry												
Blaming others											· ·	
Easy to give up												
Selfish					1,1							
Sexual misbehaviour												
Hitting others												
Day dreaming												
Having behaviour problem												
Total												
PCBQ Result	1	1		1					1			

: T = None

: score 0

K = Sometimes found : score 1 : score 2

S = Often found

PCQB Result: N = If the total score is less than 11

TN = If the total score is 11 or more, than the child needs to be reffered.

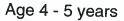
This tes is conducted at least once a year.

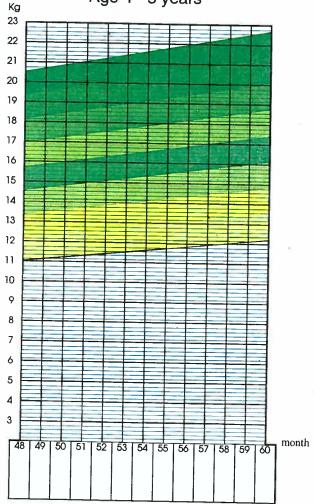
## XIX. BODY WEIGHT CURVE OF 4 - 5 YEARS OLD CHILD

Filled in by : Cadre



4 - 5 years Wash and dry hands without help





## XX. CHILD OF 4 - 5 YEARS

# A. WHAT IS NEEDED FOR THE HEALTH OF 4-5 YEARS OLD CHILD

Child development Filled in by: Cadre / Parents 1. Hopping on one leg. (GM)	54 mths 60 mths	
2. Ability to button and		12/10/10
unbutton the cloth. (FM)		
3. Ability to tell simple story. (LI)		
4. Ability to wash his/her own hands. (SS)		

- B. EARLY STIMULATION FOR 4 5 YEARS OLD CHILD By: Parents / Care Takers
- Gross motor development:
   Give the child a chance to play games
   which need skill and active move e.g.
   playing ball, "engklek" (Hopping on one
   leg), etc.



- 2. Fine motor development : Help the child to learn drawing a picture.
- 3. Language and intellectual development: Help the child understand the meaning of one and a half by dividing cake or paper.
- 4. Social and self-help development: Teach the child to have self-reliance such as visit the neighbor to play.



## C.

## **HEALTH EXAMINATION**

- D. \* BABY TEETH ARE COMPLETE
  HAVE YOUR BABY CHILD'S TEETH EXAMINED TWICE A YEAR
  WHEN THERE IS ANY TOOTH DAMAGE, EXAMINE IT TO HEALTH
  CENTER SOON
  "TEACH THE CHILD TO BRUSH HIS TEETH WELL"
  - \* GO TO HEALTH PERSONNEL FOR EXAMINATION "WHEN YOUR CHILD IS ILL "
  - \* HAVE THESE EXAMINED : YOUR CHILD'S VISUAL CAPABILITY AND BEHAVIOUR ONCE A YEAR.

E.	NOTE OF VIT. A CAPSULE GIVING							
	FEBRUARY	DATE	AUGUST	DATE				
	FEDRUARI		AUGUST	47				

CHILD'S FOOD
" 4 HEALTHY 5 EXCELLENT "

Filled in by: Cadre

Date	
1.	
2.	
3.	

## XXI. CHILD OF 5 - 6 YEARS

## A. WHAT IS NEEDED FOR THE HEALTH OF 5 - 6 YEARS OLD CHILD

Child Development Filled in by : Cadre / Parents	66 mths 72 mths	
Catching small ball at 1 meter distance (GM)		
2. Drawing rectangular line. (FM)		
3. Identifying numbers and letters then counting. (LI)		C. C.
4. Putting on his/her own cloth without help. (SI)		

## B. EARLY STIMULATION FOR 5 - 6 YEARS OLD CHILD By: Parents / Care Takers

- 1. Gross motor development : Teach the child to ride a bike.
- 2. Fine motor development:
  Teach the child to create
  something from wax or clay.
- 3. Language and intellectual development: Teach the child to identify time, day, week and month.
- 4. Social and self help development:

  Teach the child to chat and socialize with his/her friends.





## HEALTH EXAMINATION

Filled in by: Health Personnel

		CC-1	63	66	69	72
1.	Weight (Normal Gaining / Under Red Line)					20.70
2.	Child Development	-=11: <>				
	- Normal (N)					
	- Observation (O)					
3.	Visual Test (Normal / Not Normal)		12 19 19			
4.	Hearing Test (Normal / Not Normal)		Market S		故語時	
5.	Teeth Examination : Caries				開閉期	
	Gingivitis		TERMINE TO			
6.	Result of PCBQ (Normal / Not Normal)		翻進品	Mark State		

- D. \* At the age of 6 years, NEW TEETH grow at the back of molar of baby teeth. These NEW TEETH are PERMANENT TEETH which have no replacement, so they have to be well cared.
  - \* At this age, FRONT TEETH starting to shake and will be replaced by PERMANENT TEETH.
  - \* GO TO HEALTH PERSONNEL FOR EXAMINATION: "WHEN YOUR CHILD IS ILL "
  - \* HAVE THESE EXAMINED : YOUR CHILD'S VISUAL CAPABILITY AND BEHAVIOUR ONCE A YEAR.

Date	
1.	
2.	
3.	

## DISEASE RECORD

Date	Complaint	Medication	Date of Return	Signature
				4.7
		T q		
	¥			
		=		

NOTES:

## REFERENCES:

- 1. KMS IBU HAMIL
- 2. GRAVIDOGRAF
- 3. KARTU DATA TUMBUH KEMBANG ANAK
- 4. KARTU MENUJU SEHAT
- 5. PEDOMAN PERKEMBANGAN ANAK DI KELUARGA ( DEPKES RI, 1991 )
- 6. BUKU PENUNTUN ILMU GIZI UMUM ( DIT.BGM.DEPKES RI,1980 )
- 7. MEMILIH MAKANAN SEHAT UNTUK BAYI ( DEPKES RI,1992 )
- 8. PETUNJUK MENGISI KMS IBU HAMIL (DIT.BINA KESGA DEPKES RI,1989)
- 9. MODUL TETANUS NEONATORUM DAN BBLR (DIRJEN BINKESMAS, DIT KESGA, DEPKES RI, 1992)
- 10.PEDOMAN PEMBERANTASAN PENYAKIT INFEKSI SALURAN PERNA FASAN AKUT (ISPA) (DIRJEN PPM & PLP, DEPKES RI, 1992)

## WORKING GROUP OF MCH HANDBOOK

Advisor

: Head of Provincial Office of the Ministry of Health

in Central Java

Instructor

: 1. Dr. H. Nardho Gunawan, MPH (Kadit Bina Kesga)

2. Dr. Widiastuti, MSc PH (Kadit Bina PSM)

3. Drs. Benny A. Kodiat, MPA (Kadit Bina Gizi Masyarakat)

4. Dr. S. O. Gardjito (Kadit Kes. Jiwa)

5. Drg. Andreas Adyatmaka (Kadit Kes. Gigi)

6. Dr. Titi Indijati (Kadit EPIM)

Resource Person: 1. Dr. Rachmi Untoro, MPH (Kasubdit Balita)

2. Dr. Ardi Kaptiningsih, MPH (Kasubdit KBK)

Working Person :

Head

: Dr. Andryansyah Arifin, MPH

Secretary: Drg. Retno Budimulyati

Member : 1. Dr. Irwan Sidhuatmadja

2. Dr. Trisnawati G. Loho

3. Ms. Yoshiko Sato (JICA expert)

\* In Cooperation with Provincial Office of the Ministry of Health in Central Java and JICA FP/MCH Project \*

Mother :

Child :