

CONNECTING INCLUSIVE FEEDING & DISABILITY RESOURCES TO NUTRITION PRACTICES IN HUMANITARIAN SETTINGS







If you have any questions about the tool, please contact the GNC at gnc@unicef.org



Who should use this tool?

Frontline and Community Health Workers who work in nutrition or counsel caregivers of infants and children



Who will benefit from It?

Infants and children with feeding difficulties/disabilities



Purpose of this tool

To improve nutrition status of infants and children with feeding difficulties/disabilities and to boost inclusiveness of nutrition practices



What does it do?

It points Frontline and Community Health Workers to step by step feeding action plans to support infants and children with feeding difficulties or disabilities



Where can I find it?

https://www.nutritioncluster.net/ and search by the title of this document. The tool is accessible ONLINE and has an OFFLINE TWIN as a searchable pdf you can download and print, if needed



How is it structured?

Start by selecting the age range of the child, then the tool drives the user through four (4) stages of the patient journey, with specific advice & actions at each stage:

Stage 1: ASSESS the health and nutrition status and oral structure of the child

Stage 2: ANALYSE functional feeding concerns and ACT giving advice to caregivers

Stage 3: APRAISE the response to the feeding strategy

Stage 4: ASSIGN to complementary programs



How to use this searchable PDF?

- Using a computer, tablet or smartphone, scroll to the *Table of Contents* below.
- Press the "Control" key and click on any section in the Table of Contents you want to explore, and you will jump directly into it.
- In the course document, when you see "go to...", press the "Control" key, click on the link and you will jump to this section.
- Finally, weblinks to the full reference material, resources and image banks have been inserted to the left of each section where you can access them online.



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START: Select the age range of the child

0 to 5 Completed Months

6 to 11 Completed Months

12 to 23 Completed Months

24 to 59 Completed Months and Above

0-5 Completed Months



ASSESS Health and Nutrition Status



Always refer to local protocols or other existing tools to complete your assessment of infant's health and nutrition (example: Management of Small & Nutritionally At-risk Infants - MAMI).



Health and Nutrition Status Options

What is the status of the infant?



Very Severe Disease/Wasting



- STOP- Do not use this tool. Follow national nutrition protocols and refer to the nearest hospital.



If infant has Uncomplicated, Severe Acute Malnutrition or Moderate Acute Malnutrition / Wasting - USE THIS TOOL.



Go to ASSESS Oral Structures: 0-5 completed months section



No acute malnutrition/wasting



Do not use this tool. Follow local nutrition protocols.



ASSESS Oral Structures 0-5 completed months

Step 1 Observe the infant during feeding or at rest

Look for weakness in the tongue, lips, or jaw muscles.

UNICEF IYCF Image Bank



Step 2 Observe the structure of the lips

Look for holes (clefts) in the lip



Step 3 Use a light to look inside of mouth

Look for holes (clefts) inside of the top of mouth.

Smile Train





If No Cleft, go to <u>ANALYZE Functional Feeding Concerns and ACT</u> and select option that describes functional feeding difficulties.

If there is a cleft, go to <u>ACT Action Plan "Liquid Comes Out of Nose"</u>



ANALYZE Functional Feeding Concerns and ACT



What feeding concerns do you have?



Click on the link that describes feeding concern



Functional Feeding Concerns Options and Action Plans:

"No Concerns"

"Not Gaining Weight"

"Liquid Comes Out of Nose"

"Coughing or Choking"

ACT: Feeding Action Plan to Address "No Concerns" 0 to 5 Completed Months



"No Concerns"



Continue to monitor growth and health

ACT: Feeding Action Plan to Address "Not Gaining Weight" 0 to 5 Completed Months

Step 1

Try different positions



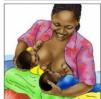














Step 2

Use strategies that encourage attachment

Skin to Skin

Skin To Skin



Holding an infant against bare skin can calm them before eating

Lip Stimulation

UNICEF IYCF Image Bank



Touching nipple to infant's lips can prepare them to eat

Drip Drop

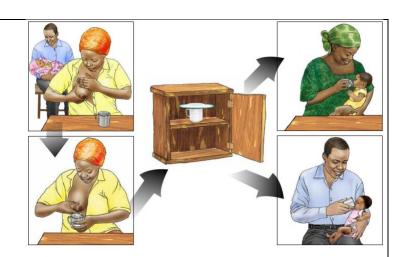
UNICEF IYCF Image Bank



Dripping breastmilk from a clean spoon, down breast, to nipple, can help infant breastfeed

Step 3 Offer breast for each feed, if infant cannot attach, express milk and feed from a cup





UNICEF IYCF Image Bank

Step 4 Feed often, when infant shows signs they are ready to eat

Signs Infant is Ready to Eat

UNICEF IYCF Image Bank

- · Fists moving to mouth.
- Head turning to look for the breast.
- Becoming more alert and active.
- Sucking on hands or lip smacking.
- Opening and closing mouth.







Go to APPRAISE Response to Feeding Strategies

ACT: Feeding Action Plan to Address *"Liquid Comes Out of Nose"* 0-5 Completed Months

Step 1 Try different breastfeeding strategies
*NOTE: you might observe liquid coming out of the nose

It is important for a child to be well nourished so that they can receive surgery.

Mother must be committed to trying different feeding strategies to see what works for her and her baby. It is best to feed the child directly from the breast, if possible. Some strategies are:

some strategies are:



Smile Train



Step 2

Use strategies that encourage attachment

Skin to Skin

Skin To Skin



Holding an infant against bare skin can calm them before eating

Lip Stimulation

UNICEF IYCF Image Bank



Touching nipple to infant's lips can prepare them to eat

Drip Drop



UNICEF IYCF Image Bank

Dripping breastmilk from a clean spoon, down breast, to nipple, can help infant breastfeed

Step 3 If infant cannot attach, express milk and feed from a cup or

spoon



Smile Train



Step 4

Watch for signs that infant is ready to eat and feed often

Signs Infant is Ready to Eat

UNICEF IYCF Image Bank

- Fists moving to mouth.
- Head turning to look for the breast.
- Becoming more alert and active.
- Sucking on hands or lip smacking.
- Opening and closing mouth.





Step 5

Find an organization that specializes in cleft lip and palate repair





CLAPA https://www.clapa.com



smiletrain.org https://www.smiletrain.org



Go to APPRAISE Response to Feeding Strategies.

ACT: Feeding Action Plan to Address "Coughing or Choking" 0 to 5 Completed Months

Step 1

Position infant with hips below head during feeding



UNICEF IYCF Image Bank





Step 2

After adjusting position, watch for common signs that infant may not be safe to take nutrition by mouth

Feeding Matters

- o labored breathing with and without feeding
- o color changes in lips or face when eating or drinking
- · sweating when eating or drinking
- · gurgle or squeaking sounds with and without feeding
- reoccurring upper respiratory infections
- o crying, arching, coughing, grimacing when eating or drinking

Step 3

If infant continues to cough or choke during feeds, a formal feeding assessment with a specialist may be needed. Follow local protocols to refer to hospital.



Go to <u>APPRAISE Response to Feeding Strategies 0 to 5</u> completed months.

APPRAISE Response to Feeding Strategies



During growth and nutrition monitoring or counselling sessions, ask caregiver about feeding.



"Did feeding improve?"





YES, feeding improved.



Continue to follow feeding action plan and local/ICMI recommendations for ongoing health, growth, and nutrition monitoring.



Go to ASSIGN Next Steps 0 to 5 completed months.



NO, infant has complicated, severe acute malnutrition.



Follow ICMI Guidance or national nutrition protocol to determine if supplemental feeding or referral to hospital is needed.



No, infant still has uncomplicated, severe acute malnutrition or moderate acute malnutrition.



Follow ICMI Guidance or national nutrition protocol to provide supplemental nutrition and continue to follow guidance in <u>ACT: Feeding Action Plan to Address "Not Gaining Weight"</u> 0 to 5 completed months. Refer to signs of swallowing difficulties in <u>ACT: Feeding Action Plan to Address "Coughing or Choking"</u> 0 to 5 completed months.



It's too soon to tell



Continue to follow Feeding Action Plan and APPRAISE Response to Feeding Strategies at next nutrition monitoring session.

ASSIGN Next Steps 0 to 5 Completed Months

Access to existing community programs and assistive technology is a priority for malnourished children with feeding difficulties, and those with disabilities.



Seek access to Assistive Technology/Devices/ Products





WHO Assistive Product Specification 26 UNICEF Supply Catalogue

Follow UNICEF guidance on disability inclusion in the Core Commitments to Children

- Community Engagement
- Cash Transfers
- Food Security
- ECD
- WASH
- Psychosocial Support

humanitarian and development efforts

Coordinate with Country

Officers to link

6-11 Completed Months

ASSESS Health and Nutrition Status



Always refer to local protocols or other existing tools such as the Integrated Management of Childhood Illness (ICMI) to complete your assessment of infant's health and nutrition. WHO Guidance on Wasting



Health and Nutrition Status Options What is the status of the infant?



Complicated, Severe Acute Malnutrition/Wasting



- STOP- Do not use this tool. Follow national nutrition protocols and refer to the nearest hospital.





If infant has Uncomplicated, Severe Acute Malnutrition or Moderate Acute Malnutrition / Wasting - USE THIS TOOL.



Go to ASSESS Oral Structures 6 to 11 completed months.



No Acute Malnutrition/Wasting



Do not use this tool. Follow local nutrition protocols.

ASSESS Oral Structures 6 to 11 Completed Months

Step 1 Observe the infant during feeding or at rest

Look for weakness in the tongue, lips, or jaw muscles.

UNICEF IYCF Image Bank



Step 2 Observe the structure of the lips

Look for holes (clefts) in the lip





Step 3 Use a light to look inside of mouth

Look for holes (clefts) inside of the top of mouth.

Smile Train





If No Cleft, go to <u>ANALYZE Functional Feeding Concerns and ACT 6</u> to 11 months and select option that describes functional feeding difficulties.

If there is a cleft, go to <u>ACT Action Plan "Liquid Comes Out of Nose"</u> 6 to 11 months.

ANALYZE Functional Feeding Concerns and ACT 6 to 11 Completed Months



What feeding concerns do you have?



Click on the link that describes the functional feeding concern:

"No Concerns"

"Not Gaining Weight"

"Liquid Comes Out of Nose"



"Coughing or Choking"
"Only Drinks Liquids"

ACT: Feeding Action Plan to Address "No Concerns" 6 to 11 Completed Months



"No Concerns"



Stop here, follow local nutrition protocols.

ACT: Feeding Action Plan to Address "Not Gaining Weight" 6-11 Completed Months

Step 1 Follow breastfeeding strategies

UNICEF IYCF Image Bank













Step 2 Use strategies that encourage attachment



Skin to Skin





Holding an infant against bare skin can calm them before eating

Lip Stimulation



Touching nipple to infant's lips can prepare them to eat

Skin To Skin
UNICEF IYCF Image Bank

Drip Drop



Dripping breastmilk from a clean spoon, down breast, to nipple, can help infant breastfeed

Step 3 Introduce Complimentary Foods using UNICEF/WHO Guidance

UNICEF Complimentary Feeding Guidance

- Two meals a day of solid, semi-solid or soft foods for breastfed infants aged 6-8 months
- Three meals a day of solid, semi-solid or soft foods for breastfed children aged 9-23 months
- Four meals a day of solid, semi-solid or soft foods (or milk feeds) for non-breastfed children aged
 6-23 months, of which at least one meal must include solid, semi-solid or soft food

Step 4

Follow strategies for safe feeding by matching the texture of the food to the skills of the child and introducing the spoon

Skills

- Opens mouth for spoon.14
- ✓ Uses tongue to move food to back of mouth for swallowing.¹4





Match Food Texture to Skills

Skills

- Takes a small bite from a larger piece of food.9
- Begins chewing food on both sides of mouth (called "rotary chewing").9
- ✓ Closes lips during swallow.¹4





Skills

- Starts to drink from a cup, but may bite cup edge or straw; some liquid spills out of mouth.¹²
- ✓ Drools less.¹⁴
- ✓ Moves food around mouth using tongue. 14
- ✓ Munches.¹⁵







Baby Ubuntu Resources

UNICEF IYCF Image Bank

The best way to feed using a spoon is:

- . To give food from the front and straight
- Place the spoon with the food touching the top lip so that your child can feel it and use his top lip to
- remove the food from the spoon.

 He will suck on the spoon like he did on the breast/bottle at first.
- Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support.



Practice good hand hygiene



Continue to breastfeed





(2024, UNICEF)

Support infant on lap or seat



Go to APPRAISE Response to Feeding Strategies 6 to 11 completed months.

ACT: Feeding Action Plan to Address "Liquid Comes Out Of Nose" 6-11 Completed Months

Continue breastfeeding using strategies. Step 1

*NOTE: you might observe liquid coming out of the nose

It is important for a child to be well nourished so that they can receive surgery.

Mother must be committed to trying different feeding strategies to see what works for her and her baby. It is best to feed the child directly from the breast, if possible. Some strategies are:

Smile Train



feed sitting upright

the side of the mouth that is not cut

Gently squeeze the breast to increase the flow of milk

Feed and burp children more often than normal

Step 2 If infant cannot attach, express milk and feed from a cup or spoon



Smile Train



Step 3 Introduce solid, semi-solid, or soft foods (pureed). Use spoon or fingers. Place food away from cleft

Baby Ubuntu Resources

UNICEF IYCF Image Bank The best way to feed using a spoon is:

· To give food from the front and straight

Place the spoon with the food touching the top lip so that your child can feel it and use his top lip to remove the food from the spoon.
 He will suck on the spoon like he did on the breast/bottle at first.

He will suck on the spoon like he did on the breast/bottle at first.
 Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support.



Baby Ubuntu Resources

UNICEF IYCF Image Bank

Demonstrate cup feeding:

- · Your child needs to be alert and able to suck / sip
- Position your child upright.
- Present the cup at your child's lips and tilt a little allowing the milk to touch the upper lip then wait.
 Do not pour milk into the mouth.
- If your child's mouth is too open, help him by placing your finger under the jaw for support.
- · Give single sips and observe the swallow.
- If your child is sucking and swallowing, lower the cup after every 3 sips for a short break.



Step 5 Watch for signs that infant is ready to eat and feed often

Signs Infant is Ready to Eat

UNICEF IYCF Image Bank

- Fists moving to mouth.
- Head turning to look for the breast.
- · Becoming more alert and active.
- · Sucking on hands or lip smacking.
- · Opening and closing mouth.







Step 6 Find an organization that specializes in cleft lip and palate repair.







smiletrain.org https://www.smiletrain.org



Go to APPRAISE Response to Feeding Strategies 6 to 11 completed months.

ACT: Feeding Action Plan to Address "Coughing or Choking" 6-11 Completed Months

Step 1 Position infant with hips below head during feeding









Step 2 Introduce complimentary foods and match the texture of the food to chewing skills

Baby Ubuntu Resources

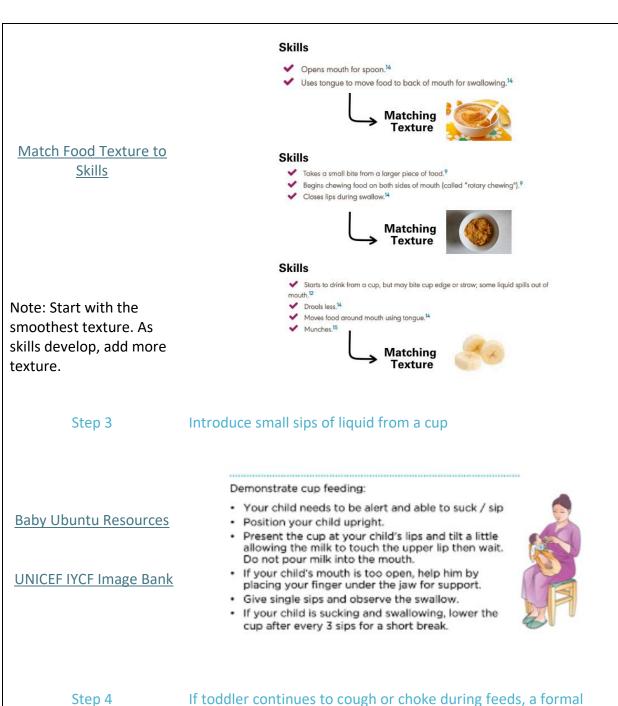
UNICEF IYCF Image Bank

The best way to feed using a spoon is:

- · To give food from the front and straight
- Place the spoon with the food touching the top lip so that your child can feel it and use his top lip to remove the food from the spoon.
- He will suck on the spoon like he did on the breast/bottle at first.
 Your child should bring his law up, but if he doesn't place your flow.
- Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support.

(2024, Ubuntu)





feeding assessment with a specialist may be needed. Follow local protocols to refer to hospital.

Feeding Matters Infant Signs of swallowing problems:



- o labored breathing with and without feeding
- o color changes in lips or face when eating or drinking
- · sweating when eating or drinking
- o gurgle or squeaking sounds with and without feeding
- reoccurring upper respiratory infections
- o crying, arching, coughing, grimacing when eating or drinking



Go to <u>APPRAISE Response to Feeding Strategies 6 to 11</u> completed months.

ACT: Feeding Action Plan to Address "Only Drinks Liquids" 6-11 Completed Months

Step 1 Check that caregiver is comfortable and child is well supported in lap or seat

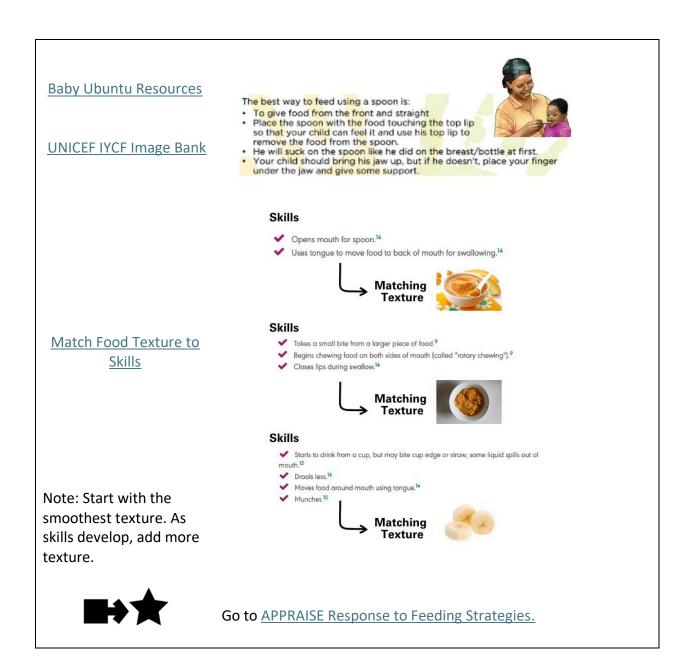


UNICEF IYCF Image Bank

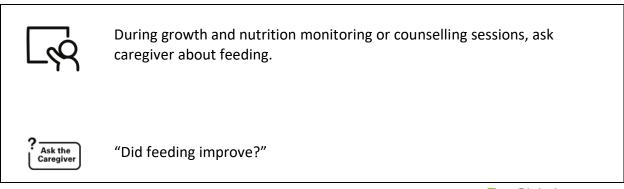


Step 2 Introduce complimentary foods and match the texture of the food to the skills of the child





APPRAISE Response to Feeding Strategies 6-11 Months.







YES, feeding is improving.



Continue to follow feeding action plan and local/ICMI recommendations for ongoing health, growth, and nutrition monitoring.



Go to ASSIGN Next Steps 6 to 11 completed months.



NO, young child has complicated, severe acute malnutrition.



Follow ICMI Guidance or national nutrition protocol to determine if supplemental feeding is needed, and refer to the nearest hospital.



No, young child has uncomplicated, severe acute malnutrition or moderate acute malnutrition.



Follow ICMI Guidance or national nutrition protocol to provide supplemental nutrition and continue to follow guidance in <u>ACT: Feeding Action Plan to</u> Address "Not Gaining Weight" 6 to 11 completed months.

Refer to signs of swallowing difficulties in <u>ACT: Feeding Action Plan to Address "Coughing or Choking"</u> 6 to 11 completed months.

ASSIGN Next Steps 6 to 11 Completed Months

Access to existing community programs and assistive technology is a priority for malnourished children with feeding difficulties, and those with disabilities.

WHO Assistive Product
Specification 26







UNICEF Supply Catalogue



Coordinate with Country Officers to link humanitarian and development efforts Follow UNICEF guidance on disability inclusion in the Core Commitments to Children

- Community Engagement
- Cash Transfers
- Food Security
- ECD
- WASH
- Psychosocial Support

12-23 Completed Months

ASSESS Health and Nutrition Status



Always refer to local protocols or other existing tools such as the Integrated Management of Childhood Illness (ICMI) to complete your assessment of infant's health and nutrition. WHO Guidance on Wasting



Health and Nutrition Status Options

What is the status of the toddler?



Complicated, severe acute malnutrition/wasting



- STOP- Do not use this tool. Follow national nutrition protocols and refer to the nearest hospital.



If infant has Uncomplicated, Severe Acute Malnutrition or Moderate Acute Malnutrition / Wasting - USE THIS TOOL



Go to ASSESS Oral Structures 12 to 23 Completed Months.





No Acute Malnutrition



- STOP- Do not use this tool. Follow local nutrition protocols.

ASSESS Oral Structures 12 to 23 Completed Months

Step 1 Observe the infant during feeding or at rest

Look for weakness in the tongue, lips, or jaw muscles.

UNICEF IYCF Image Bank



Step 2 Observe the structure of the lips

Look for holes (clefts) in the lip

Smile Train



Step 3 Use a light to look inside of mouth

Look for holes (clefts) inside of the top of mouth.



Smile Train





If No Cleft, go to <u>ANALYZE Functional Feeding Concerns and ACT</u> and select option that describes functional feeding difficulties.

If there is a cleft, go to <u>ACT Action Plan to Address "Liquid Comes</u> Out of Nose" 12 to 23 completed months.

ANALYZE Functional Feeding Concerns and ACT



What feeding concerns do you have?



Click on the link that describes the functional feeding concern.





"No Concerns"

"Not Gaining Weight"

"Liquid Comes Out of Nose"

"Coughing or Choking"

"Only Drinks Liquids"

ACT: Feeding Action Plan to Address "No Concerns" 12 to 23 Completed Months



"No Concerns"



STOP here. Follow local nutrition protocols.



ACT: Feeding Action Plan to Address "Not Gaining Weight" 12-23 Completed Months

Step 1

Check that caregiver is comfortable and toddler is well-supported

UNICEF IYCF Image Bank







Step 2

Follow strategies for efficient drinking

Baby Ubuntu Resources

UNICEF IYCF Image Bank

Demonstrate cup feeding:

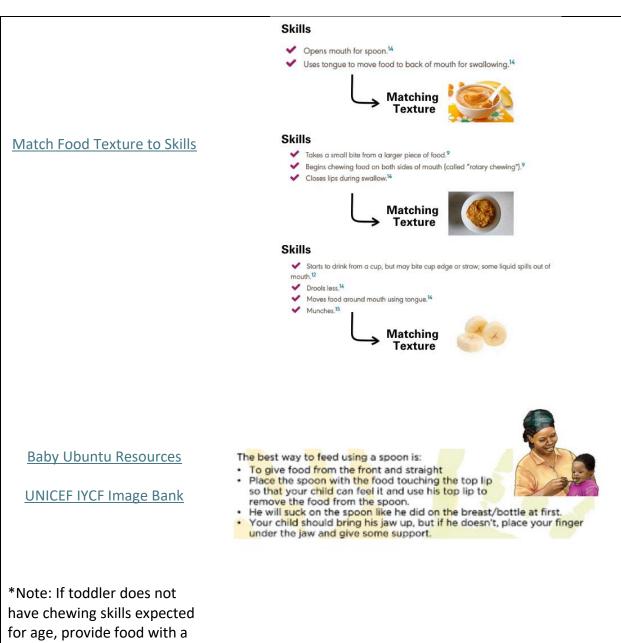
- · Your child needs to be alert and able to suck / sip
- Position your child upright.
- Present the cup at your child's lips and tilt a little allowing the milk to touch the upper lip then wait.
 Do not pour milk into the mouth.
- If your child's mouth is too open, help him by placing your finger under the jaw for support.
- Give single sips and observe the swallow.
- If your child is sucking and swallowing, lower the cup after every 3 sips for a short break.



Step 3

Follow strategies for efficient feeding by matching the texture of the food to the skills of the toddler





smoother texture.



Go to APPRAISE Response to Feeding Strategies 12 to 23 Completed Months.

ACT: Feeding Action Plan to Address "Liquid Comes Out Of Nose" 12 to 23 **Completed Months**

> Step 1 Check that caregiver is comfortable and child is well supported in lap or seat



UNICEF IYCF Image Bank







Step 2 Introduce solid, semi-solid, or soft foods (pureed). Use spoon or fingers. Place food away from cleft.

Baby Ubuntu Resources

UNICEF IYCF Image Bank

The best way to feed using a spoon is:

- · To give food from the front and straight
- Place the spoon with the food touching the top lip so that your child can feel it and use his top lip to remove the food from the spoon.
- He will suck on the spoon like he did on the breast/bottle at first.
- Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support.



Offer toddler smooth foods and liquids from cup. Place cup away from cleft and offer small sips

Baby Ubuntu Resources

UNICEF IYCF Image Bank

Demonstrate cup feeding:

- · Your child needs to be alert and able to suck / sip
- · Position your child upright.
- Present the cup at your child's lips and tilt a little allowing the milk to touch the upper lip then wait.
 Do not pour milk into the mouth.
- If your child's mouth is too open, help him by placing your finger under the jaw for support.
- · Give single sips and observe the swallow.
- If your child is sucking and swallowing, lower the cup after every 3 sips for a short break.





Step 4

Watch for signs that toddler is ready to eat and feed often.

Signs Infant is Ready to Eat

UNICEF IYCF Image Bank

- Fists moving to mouth.
- Head turning to look for the breast.
- Becoming more alert and active.
- Sucking on hands or lip smacking.
- Opening and closing mouth.





Step 5

Find an organization that specializes in cleft lip and palate.





CLAPA https://www.clapa.com



smiletrain.org https://www.smiletrain.org



Go to <u>APPRAISE Response to Feeding Strategies 12 to 23</u> completed months.

ACT: Feeding Action Plan to Address "Coughing Or Choking" 12 to 23 Completed Months

Step 1

Position toddler with hips below head during feeding

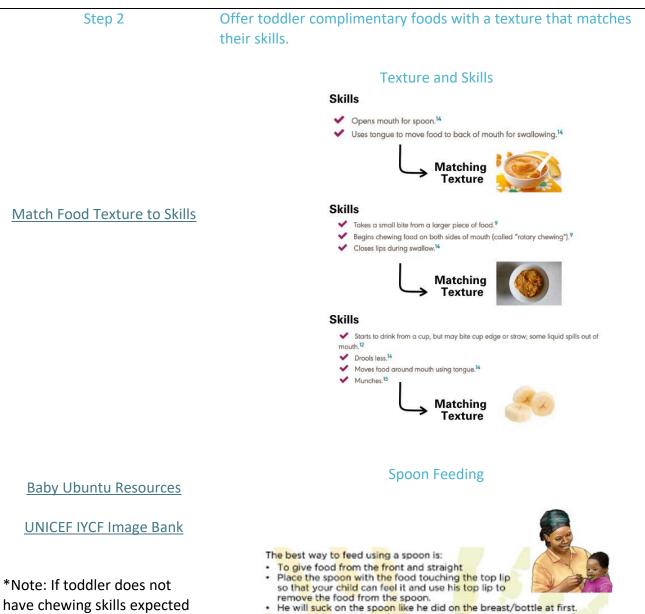
UNICEF IYCF Image Bank

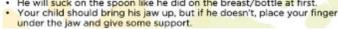












Introduce small sips of liquid from a cup Step 3



for age, provide food with a

smoother texture.

Baby Ubuntu Resources

UNICEF IYCF Image Bank

Demonstrate cup feeding:

- · Your child needs to be alert and able to suck / sip
- · Position your child upright.
- Present the cup at your child's lips and tilt a little allowing the milk to touch the upper lip then wait.
 Do not pour milk into the mouth.
- If your child's mouth is too open, help him by placing your finger under the jaw for support.
- · Give single sips and observe the swallow.
- If your child is sucking and swallowing, lower the cup after every 3 sips for a short break.



Step 4

Watch for signs that toddler may not be safe to eat food or drink liquid by mouth

Feeding Matters

- labored breathing with and without feeding
- color changes in lips or face when eating or drinking
- sweating when eating or drinking
- gurgle or squeaking sounds with and without feeding
- reoccurring upper respiratory infections
- crying, arching, coughing, grimacing when eating or drinking

Step 5

If toddler continues to cough or choke, a formal feeding assessment with a specialist may be needed. Follow local protocols to refer to hospital.

Feeding Matters

- excessively short mealtimes (< 5 minutes)
- excessively long mealtimes (> 30 minutes)
- o need for thickened liquids
- need for special food or modified food texture
- need for special strategies, positioning or equipment



Go to <u>APPRAISE Response to Feeding Strategies 12 to 23</u> Completed Months.

ACT: Feeding Action Plan to Address "Only Drinks Liquids"

Step 1

Check that caregiver is comfortable and child is well supported in lap or seat.











Step 2 Present food using a spoon

Baby Ubuntu Resources

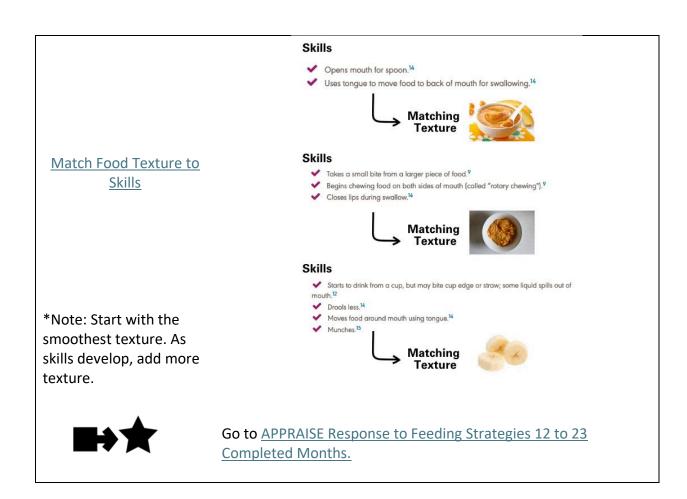
UNICEF IYCF Image Bank

The best way to feed using a spoon is:

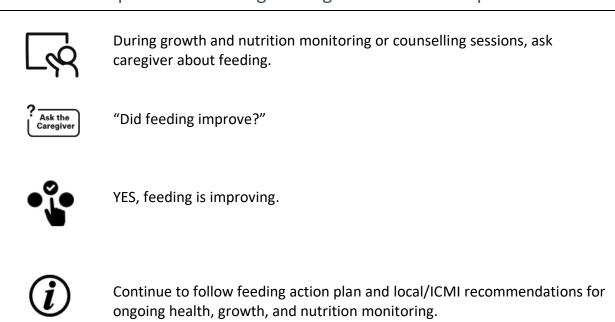
- · To give food from the front and straight
- Place the spoon with the food touching the top lip so that your child can feel it and use his top lip to remove the food from the spoon.
- . He will suck on the spoon like he did on the breast/bottle at first.
- Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support.







APPRAISE Response to Feeding Strategies 12 to 23 Completed Months







Go to ASSIGN Next Steps 12 to 23 Completed Months.



NO, infant has complicated, severe acute malnutrition.



Follow ICMI Guidance or national nutrition protocol to determine if supplemental feeding is needed, and refer to the nearest hospital.



No, infant has uncomplicated, severe acute malnutrition or moderate acute malnutrition.



Follow ICMI Guidance or national nutrition protocol to provide supplemental nutrition and continue to follow guidance in <u>ACT: Feeding Action Plan to</u> Address "Not Gaining Weight" 12 to 23 completed months

Refer to signs of swallowing difficulties in <u>ACT</u>: Feeding Action Plan to <u>Address "Coughing or Choking" 12 to 23 completed months.</u>

ASSIGN Next Steps

Access to existing community programs and assistive technology is a priority for malnourished children with feeding difficulties, and those with disabilities.

WHO Assistive Product
Specification 26









Follow UNICEF guidance on disability inclusion in the Core Commitments to Children

- Community Engagement
- Cash Transfers
- Food Security
- ECD
- WASH
- Psychosocial Support

Coordinate with Country Officers to link humanitarian and development efforts



24-59 Completed Months and Above

ASSESS Health and Nutrition Status



Always refer to local protocols or other existing tools such as the Integrated Management of Childhood Illness (ICMI) to complete your assessment of infant's health and nutrition. WHO Guidance on Wasting



Health and Nutrition Status Options

What is the status of the young child?



Complicated, Severe Acute Malnutrition/wasting



- STOP- No need to use this tool. Follow national nutrition protocols and refer to the nearest hospital.



If young child has Uncomplicated, Severe Acute Malnutrition or Moderate Acute Malnutrition / Wasting - USE THIS TOOL.



Go to ASSESS Oral Structures 24 to 59 completed months.



No Acute Malnutrition



Follow local nutrition protocols.



Not able to assess growth and nutrition using traditional measures.



Go to Alternative Assessment 24 to 59 months.

Alternative Assessment 24-59 completed months (and older)



Under UNICEF's Disability Inclusion Guidance, Alternative Assessments can be used to ASSESS Nutrition Status.

UNICEF
Disability
Inclusive
Toolkit

For children who use their upper bodies to aid mobility (e.g., use a wheelchair), use a visual assessment, skin fold, length, arm span, demispan or lower leg length measurements as an alternative to common malnutrition measurement as mid-upper arm circumference (MUAC) measurements may be misleading.

Example: Weight Estimate by Circumference







Arm Circumference (AC)

Waist Circumference (WC) Calf Circumference (CC)

Body Weight Estimate= 0.5759 * (AC) + 0.5263 * (WC) + 12452 * (CC) - 4.8689 * (Sex: Male=1, Female = 2) - 32.9241.

(Citation: Fuente: Rabito E.I., Vannucchi G.B., v cols (2006) Weight and Height Predictions of Immobilized Patients. Rev Nutr. Vol 19(6). (pp.655-661).

Reference

Body Weight with a fraction missing = Estimated weight - Estimated weight of the body fraction not present.

Table of percentage per absent member.



Absent Fraction	Percentage
Hand	0.7%*
Forearm with hand	2.3%*
Arm from the shoulder	6.6%*
Foot	1.7%*
Leg with foot (below the knee)	5.9%
Full leg	18.6%*
Complete upper and lower	50%
extremities	



To ASSESS Health and Nutrition Status, Refer to IMCI and Management of acute malnutrition/wasting admission criteria.



Health and Nutrition Status Options

What is the status of the young child?



Complicated, Severe Acute Malnutrition/Wasting



- STOP- Do not use this tool. Follow local nutrition protocols.



Uncomplicated, Severe Malnutrition/Wasting or Moderate Acute Malnutrition- USE THIS TOOL.



Go to ASSESS Oral Structures 24 to 59 completed months.



No Acute Malnutrition



^{*}If the absent fraction is bilateral, the percentages are doubled.



- STOP- Do not use this tool. Follow local nutrition protocols.

ASSESS Oral Structures 24 to 59 Completed Months

Step 1 Observe the infant during feeding or at rest

Look for weakness in the tongue, lips, or jaw muscles.

UNICEF IYCF Image Bank



Step 2 Observe the structure of the lips

Look for holes (clefts) in the lip

Smile Train



Step 3 Use a light to look inside of mouth

Look for holes (clefts) inside of the top of mouth.

Smile Train







If no cleft, go to <u>ANALYZE Functional Feeding Concerns and ACT</u> and select option that describes functional feeding difficulties.

If there is a cleft, go to <u>ACT Action Plan to Address "Liquid Comes Out of Nose"</u> 24 to 59 completed months.

ANALYZE Functional Feeding Concerns and ACT



What feeding concerns do you have?



Click on the link that describes the functional feeding concern Options:

"No Concerns"

"Not Gaining Weight"

"Liquid Comes Out of Nose"

"Coughing or Choking"

"Only Drinks Liquids"

"Can't Sit Up"

"Food or Liquids Spill Out of Mouth"

ACT: Feeding Action Plan to Address "No Concerns" 24 to 59 Completed Months



"No Concerns"

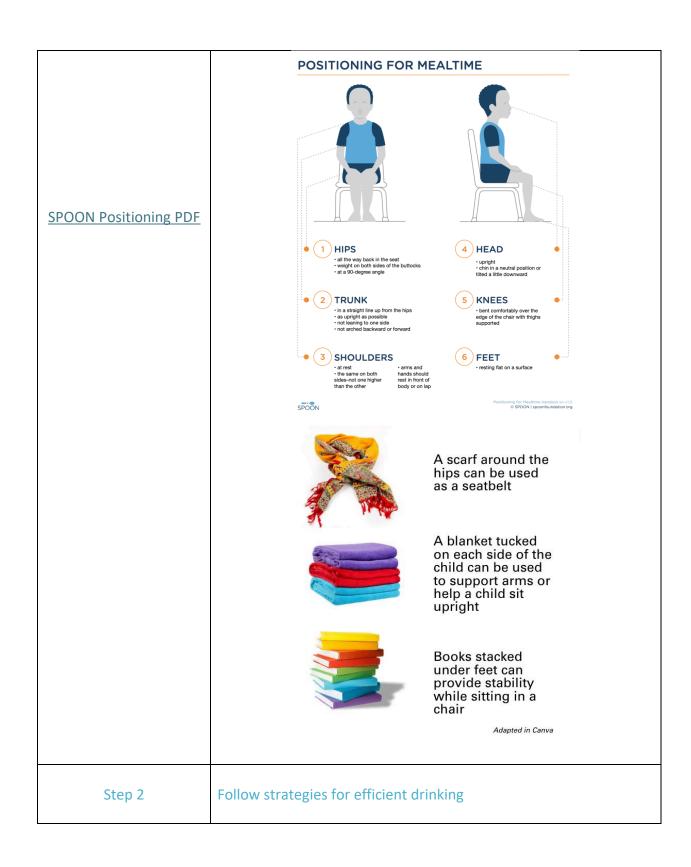


Do not use this tool. Follow local nutrition protocols.

ACT: Feeding Action Plan to Address "Not Gaining Weight" 24 to 59 Completed Months

Step 1 Check that caregiver is comfortable and young child is well-supported.



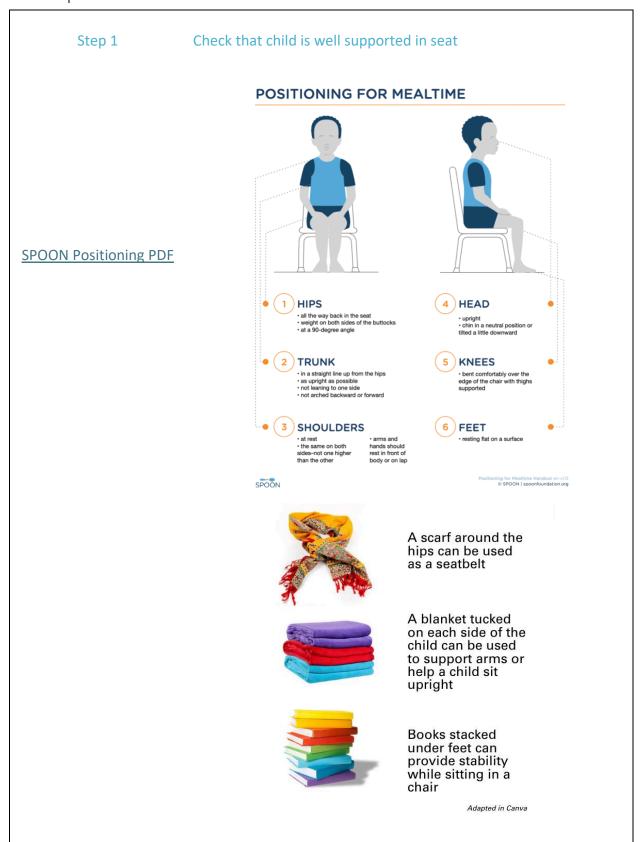




Baby Ubuntu Resources UNICEF IYCF Image Bank	Demonstrate cup feeding: Your child needs to be alert and able to suck / sip Position your child upright. Present the cup at your child's lips and tilt a little allowing the milk to touch the upper lip then wait. Do not pour milk into the mouth. If your child's mouth is too open, help him by placing your finger under the jaw for support. Give single sips and observe the swallow. If your child is sucking and swallowing, lower the cup after every 3 sips for a short break.
Step 3	Follow strategies for efficient feeding
*Note: If child does not have jaw and lip skills expected for age, provide food with a smoother texture	Skills Opens mouth for spoon. 14 Watching Texture Matching Texture Skills Takes a small bite from a larger piece of food. 9 Begins chewing food on both sides of mouth (called "rotary chewing"). 9 Closes lips during swallow. 14 Matching Texture Skills Skills Skills Natching Texture Skills Natching Texture Skills Matching Texture Skills Matching Texture Matching Texture Matching Texture
Baby Ubuntu Resources UNICEF IYCF Image Bank	The best way to feed using a spoon is: To give food from the front and straight Place the spoon with the food touching the top lip so that your child can feel it and use his top lip to remove the food from the spoon. He will suck on the spoon like he did on the breast/bottle at first. Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support.
■→★	Go to APPRAISE Response to Feeding Strategies 24 to 59 completed months.



ACT: Feeding Action Plan to Address *"Food and Liquid Coming Out Of Nose"* 24 to 59 Completed Months





Step 2

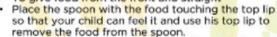
Introduce solid, semi-solid, or soft foods (pureed). Use spoon or fingers. Place food away from cleft.

Baby Ubuntu Resources

UNICEF IYCF Image Bank

The best way to feed using a spoon is:

. To give food from the front and straight





 Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support.

Step 3

Offer young child smooth foods and liquids from cup. Place cup away from cleft and offer small sips.

Baby Ubuntu Resources

UNICEF IYCF Image Bank

Demonstrate cup feeding:

- · Your child needs to be alert and able to suck / sip
- Position your child upright.
- Present the cup at your child's lips and tilt a little allowing the milk to touch the upper lip then wait.
 Do not pour milk into the mouth.
- If your child's mouth is too open, help him by placing your finger under the jaw for support.
- · Give single sips and observe the swallow.
- If your child is sucking and swallowing, lower the cup after every 3 sips for a short break.



Step 4

Find an organization that specializes in cleft lip and palate repair.





CLAPA https://www.clapa.com



smiletrain.org https://www.smiletrain.org



Go to APPRAISE Response to Feeding Strategies 24 to 59 completed months.

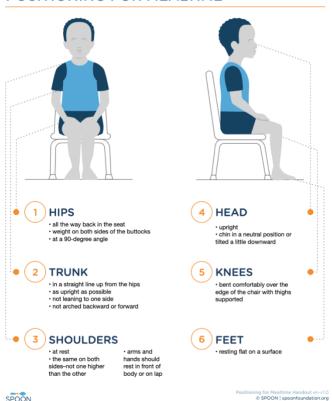
ACT: Feeding Action Plan to Address "Coughing Or Choking" 24 to 59 Completed Months

Step 1

Position young child in a seat.



POSITIONING FOR MEALTIME



SPOON Positioning PDF



Step 2 If child does not have supportive seating, provide support using alternative items.



A scarf around the hips can be used as a seatbelt



A blanket tucked on each side of the child can be used to support arms or help a child sit upright



Books stacked under feet can provide stability while sitting in a chair

Adapted in Canva



Step 3

Introduce complimentary foods from a spoon and match the texture of the food to the skills of the child.



Baby Ubuntu Resources

UNICEF IYCF Image Bank

The best way to feed using a spoon is:

- · To give food from the front and straight
- Place the spoon with the food touching the top lip so that your child can feel it and use his top lip to remove the food from the spoon.
- remove the food from the spoon.

 He will suck on the spoon like he did on the breast/bottle at first.
- Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support.

Skills

- ✓ Opens mouth for spoon.¹⁴
- ✓ Uses tongue to move food to back of mouth for swallowing.¹⁴



Match Food Texture to Skills

Skills

- ✓ Takes a small bite from a larger piece of food.⁹
- ✓ Begins chewing food on both sides of mouth (called "rotary chewing").

 9
- ✓ Closes lips during swallow.¹4



Skills

- \checkmark Starts to drink from a cup, but may bite cup edge or straw; some liquid spills out of mouth. 12
- ✓ Drools less.¹4
- ✓ Moves food around mouth using tongue.¹⁴
- ✓ Munches.¹⁵



Step 4

Introduce small sips of liquid from a cup.



Baby Ubuntu Resources

UNICEF IYCF Image Bank

Demonstrate cup feeding:

- · Your child needs to be alert and able to suck / sip
- · Position your child upright.
- Present the cup at your child's lips and tilt a little allowing the milk to touch the upper lip then wait.
 Do not pour milk into the mouth.
- If your child's mouth is too open, help him by placing your finger under the jaw for support.
- · Give single sips and observe the swallow.
- If your child is sucking and swallowing, lower the cup after every 3 sips for a short break.



Step 5

If young child continues to cough or choke during feeds, a formal feeding assessment with a specialist may be needed. Follow local protocols to refer to hospital.

Signs that young child may not be safe to swallow food or liquids by mouth:

Feeding Matters

- labored breathing with and without feeding
- o color changes in lips or face when eating or drinking
- sweating when eating or drinking
- o gurgle or squeaking sounds with and without feeding
- reoccurring upper respiratory infections
- o crying, arching, coughing, grimacing when eating or drinking



Go to APPRAISE Response to Feeding Strategies 24 to 59 completed months.

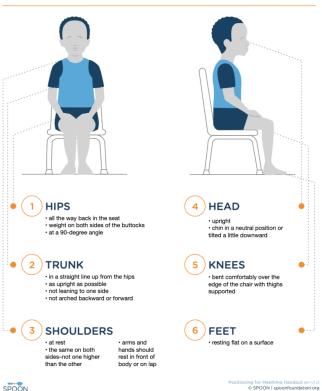
ACT: Feeding Action Plan to Address "Only Drinks Liquids" 24 to 59 Completed Months and Older

Step 1

Support young child to sit upright



POSITIONING FOR MEALTIME



SPOON Positioning PDF

Step 2 If child does not have supportive seating, provide support using alternative items



A scarf around the hips can be used as a seatbelt



A blanket tucked on each side of the child can be used to support arms or help a child sit upright



Books stacked under feet can provide stability while sitting in a chair

Adapted in Canva



Introduce child to food with smooth texture. As they develop Step 3 chewing skills, gradually add texture to the smooth foods. Present food using a spoon **Baby Ubuntu Resources** The best way to feed using a spoon is: · To give food from the front and straight Place the spoon with the food touching the top lip **UNICEF IYCF Image Bank** so that your child can feel it and use his top lip to remove the food from the spoon. He will suck on the spoon like he did on the breast/bottle at first. Your child should bring his jaw up, but if he doesn't, place your finger under the jaw and give some support. Skills ✓ Opens mouth for spoon.¹⁴ Uses tongue to move food to back of mouth for swallowing.¹⁴ Matching **Texture** Skills Takes a small bite from a larger piece of food.9 Begins chewing food on both sides of mouth (called "rotary chewing"). Match Food Texture to Skills ✓ Closes lips during swallow.¹4 Matching **Texture** Skills Starts to drink from a cup, but may bite cup edge or straw; some liquid spills out of ✓ Drools less.¹⁴ Moves food around mouth using tongue.14 ✓ Munches.¹⁵ Matching



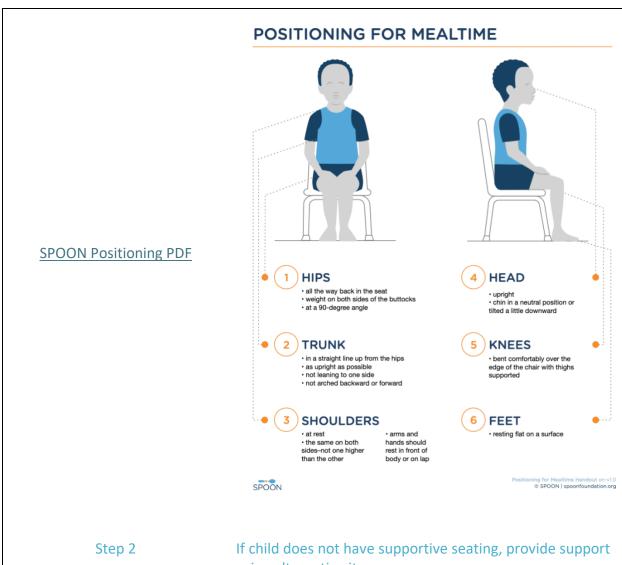
Go to <u>APPRAISE Response to Feeding Strategies 24 to 59</u> completed months.

Texture

ACT: Feeding Action Plan to Address "Can't Sit Up" 24 to 59 Completed Months and Above

Step 1 Position young child in a seat





using alternative items.





A scarf around the hips can be used as a seatbelt



A blanket tucked on each side of the child can be used to support arms or help a child sit upright



Books stacked under feet can provide stability while sitting in a chair

Adapted in Canva



Go to <u>APPRAISE Response to Feeding Strategies 24 to 59</u> completed months.

ACT: Feeding Action Plan to Address "Food or Liquid Spill Out of Mouth" 24 to 59 Completed Months

Step 1

Position young child in a seat



POSITIONING FOR MEALTIME **SPOON Positioning PDF HIPS HEAD** all the way back in the seat weight on both sides of the buttocks • upright • chin in a neutral position or • at a 90-degree angle tilted a little downward **TRUNK KNEES** • bent comfortably over the edge of the chair with thighs • in a straight line up from the hips · as upright as possible not leaning to one sidenot arched backward or forward supported **SHOULDERS FEET** · at rest · resting flat on a surface · arms and · the same on both hands should sides-not one higher than the other rest in front of body or on lap SPOON © SPOON | spoonfoundat If child does not have supportive seating, provide support Step 2 using alternative items.





A scarf around the hips can be used as a seatbelt



A blanket tucked on each side of the child can be used to support arms or help a child sit upright



Books stacked under feet can provide stability while sitting in a chair

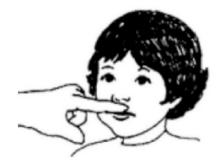
Adapted in Canva

Step 3

Support child to take food from spoon and chew.

Use finger to help young child to close upper lip to take food from spoon.

Physio-pedia





Use finger and thumb to support jaw and lower lip to take food from spoon.







Go to <u>APPRAISE Response to Feeding Strategies 24 to 59</u> completed months.

APPRAISE Response to Feeding Strategies 24 to 59 Completed Months



During growth and nutrition monitoring or counselling sessions, ask caregiver about feeding.



"Did feeding improve?"



YES, feeding is improving.



Continue to follow feeding action plan and local/ICMI recommendations for ongoing health, growth, and nutrition monitoring.



Go to ASSIGN Next Steps 24 to 59 completed months.





NO, young child has complicated, severe acute malnutrition.



Follow ICMI Guidance or national nutrition protocol to determine if supplemental feeding is needed, and refer to the nearest hospital.



No, young child has uncomplicated, severe acute malnutrition or moderate acute malnutrition.



Follow ICMI Guidance or national nutrition protocol to provide supplemental nutrition and continue to follow guidance in <u>ACT:</u>
<u>Feeding Action Plan to Address "Not Gaining Weight" 24 to 59 completed months.</u>

Refer to signs of swallowing difficulties in <u>ACT:Feeding Action Plan</u> to Address "Coughing or Choking".

ASSIGN Next Steps

Access to existing community programs and assistive technology is a priority for malnourished children with feeding difficulties, and those with disabilities.

Seek access to Assistive Technology/Devices/ Products

WHO Assistive Product Specification 26

UNICEF Supply Catalogue







Coordinate with Country
Officers to link
humanitarian and
development efforts

Follow UNICEF guidance on disability inclusion in the Core Commitments to Children

- Community Engagement
- Cash Transfers
- Food Security
- ECD
- WASH
- Psychosocial Support

