



WHO Child Growth Standards

Training Course on Child Growth Assessment

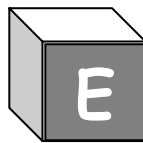


Photo Booklet



World Health
Organization

WHO Child Growth Standards

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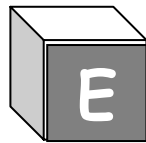


Photo Booklet

Version 1 — November 2006



**World Health
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**Department of Nutrition for
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"The project was designed and coordinated by Adelheid W. Onyango and Mercedes de Onis ..."--Acknowledgements.

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Photograph credits:

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- 9. WHO Multicentre Growth Reference Study**
- 10. P. Shirey**
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- 12. WHO Multicentre Growth Reference Study**
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Study photos 1–8 when instructed in Module B: Measuring a Child's Growth

Three views of marasmus



1.



2.



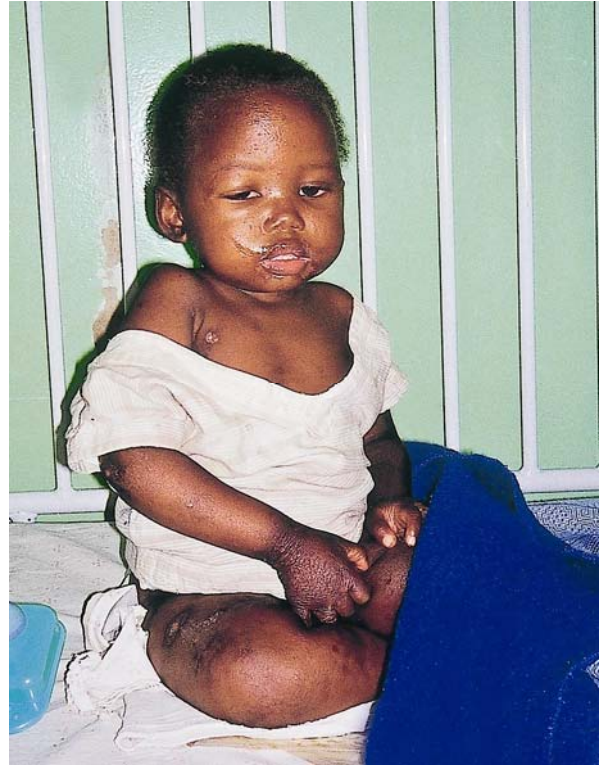
3.

Details about photos 1-8 are provided at the end of the booklet.

Signs of kwashiorkor



4.



5.



6. Marasmic kwashiorkor



7. Oedema of both feet



8. Oedema of both feet

Study photos 9–13 when instructed in Module C: Interpreting Growth Indicators



9. Underweight boy
1 year, 1 month
70.3 cm, 7.5 kg



10. Normal weight boy
3 years, 11 months
109.6 cm, 19.5 kg

11. Obese boy
3 1/2 months,
63 cm, 10 kg





**12. Stunted girl
1 year, 0 month
67.8 cm, 7.6 kg**



13. Two girls

Details about photos 1—8

1. Photos 1 and 2 show the front and back of the same child. The child has severe wasting. From the front, the ribs show, and there is loose skin on the arms and thighs. The bones of the face clearly show.
2. From the back, the ribs and spine show. Folds of skin on the child's buttocks and thighs look like "baggy pants."
3. This girl is 2 years old. She weighs 4.75 kg and is 67.4 cm in length. (She could not stand for height measurement.) She is severely wasted.
4. This child has generalized oedema. Feet, legs, hands, arms and face appear swollen. Several patches of discoloured, cracking skin are visible, but you would have to undress the child to see if there are more. There may be a fissure (large crack) on the child's ankle.
5. This child has scaly patches on the hands and thighs. There is also generalized oedema (swollen legs, hands, arms, and face).
6. This child has moderate oedema seen in the feet and lower legs. At the same time, there is severe wasting of the upper arms, and the ribs and collar bones clearly show.
7. Both feet and legs are swollen. Notice the "pitting" oedema in the lower legs.
8. This child has oedema of both feet as well as the lower legs. She is aged 1 year and 8 months, weighs 6.5 kg, and is 67 cm in length. Her weight is increased due to fluid retention.