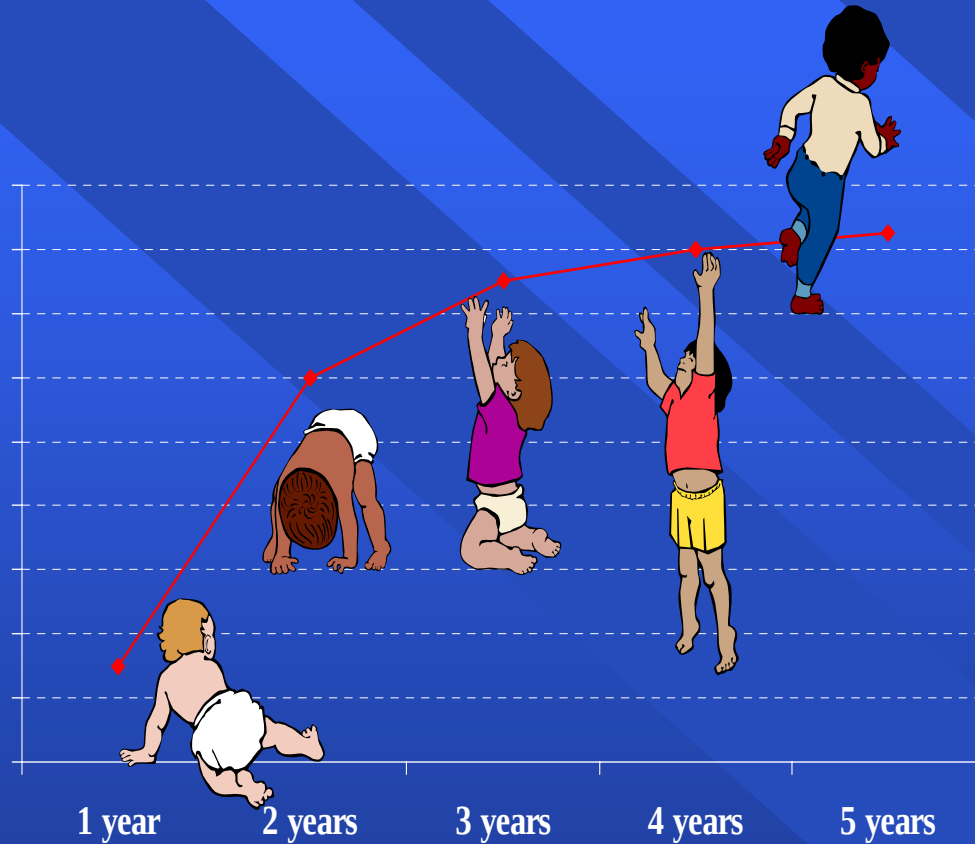


WHO Child Growth Standards



A growth
chart for
the 21st
century



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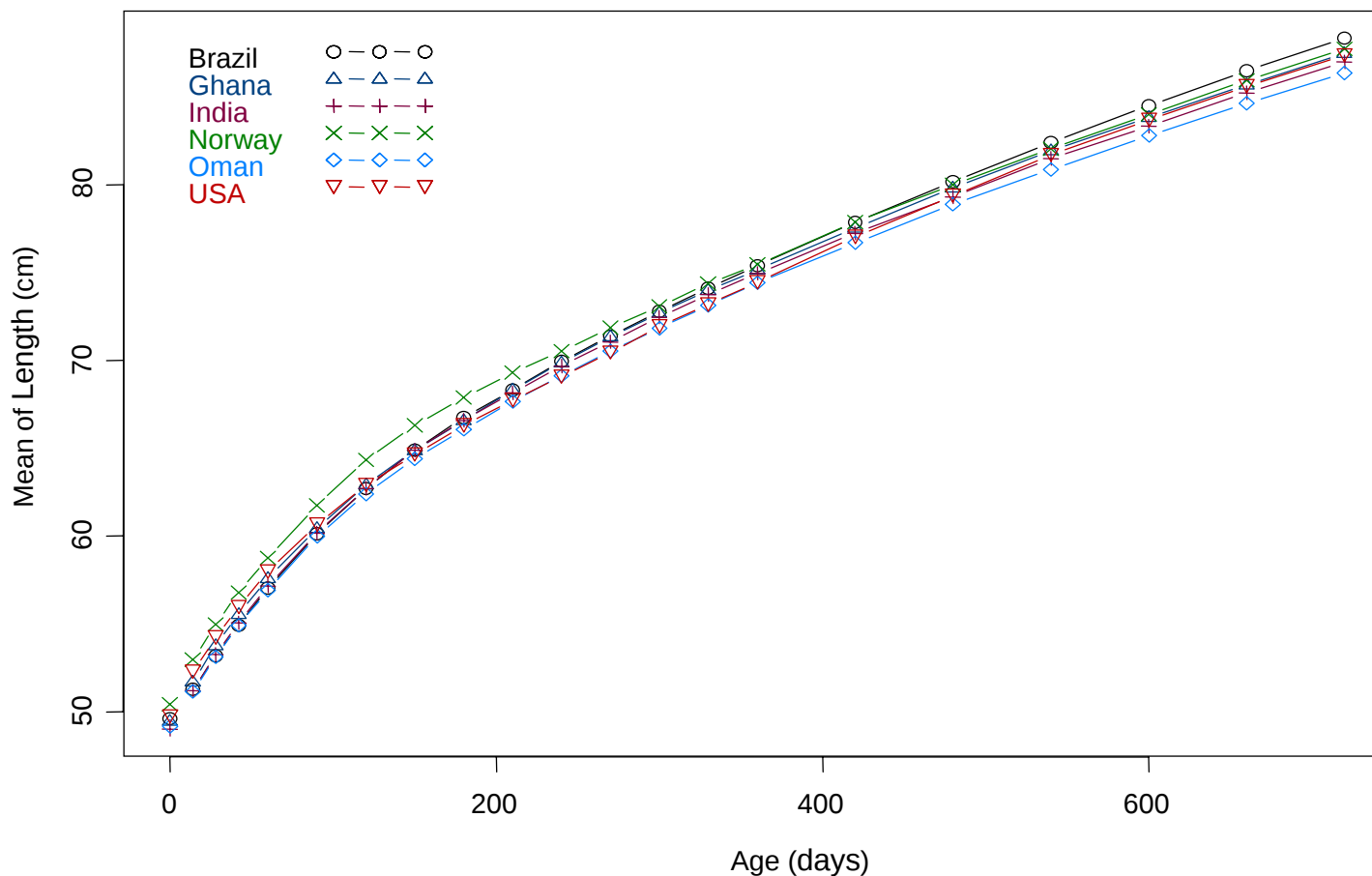
WHO Multicentre Growth Reference Study (MGRS)



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WHO 03.125

Mean length from birth to 24 months for the six MGRS sites



WHO Multicentre Growth Reference Study Group. Assessment of linear growth differences among populations in the WHO Multicentre Growth Reference Study. *Acta Paediatr Suppl* 2006;450:56-65.



World Health Organization

WHO Child Growth Standards

■ Attained growth

- Weight-for-age
- Length/height-for-age
- Weight-for-length/height
- Body mass index-for-age
- Mid-upper arm circumference-for-age
- Triceps skinfold-for-age
- Subscapular skinfold-for-age
- Head circumference-for-age

■ Growth velocity

- Weight
- Length/height
- Head circumference
- Arm circumference
- Body mass index



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Innovative aspects

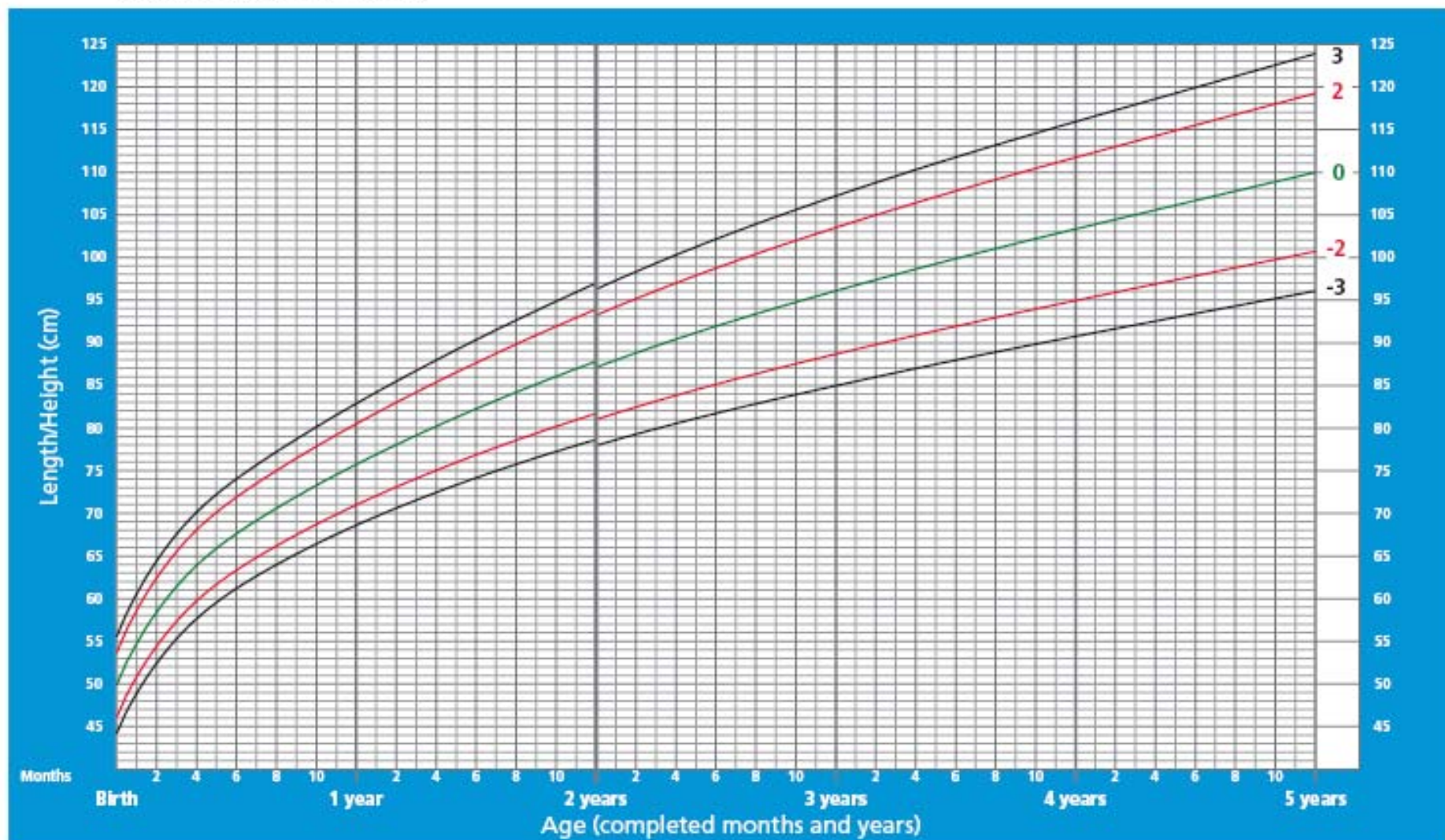
- Prescriptive approach recognizing need for standards
- Breastfed infant as normative model
- International sample
- Reference data for assessing childhood obesity
- Velocity reference data
- Link between physical growth and motor development



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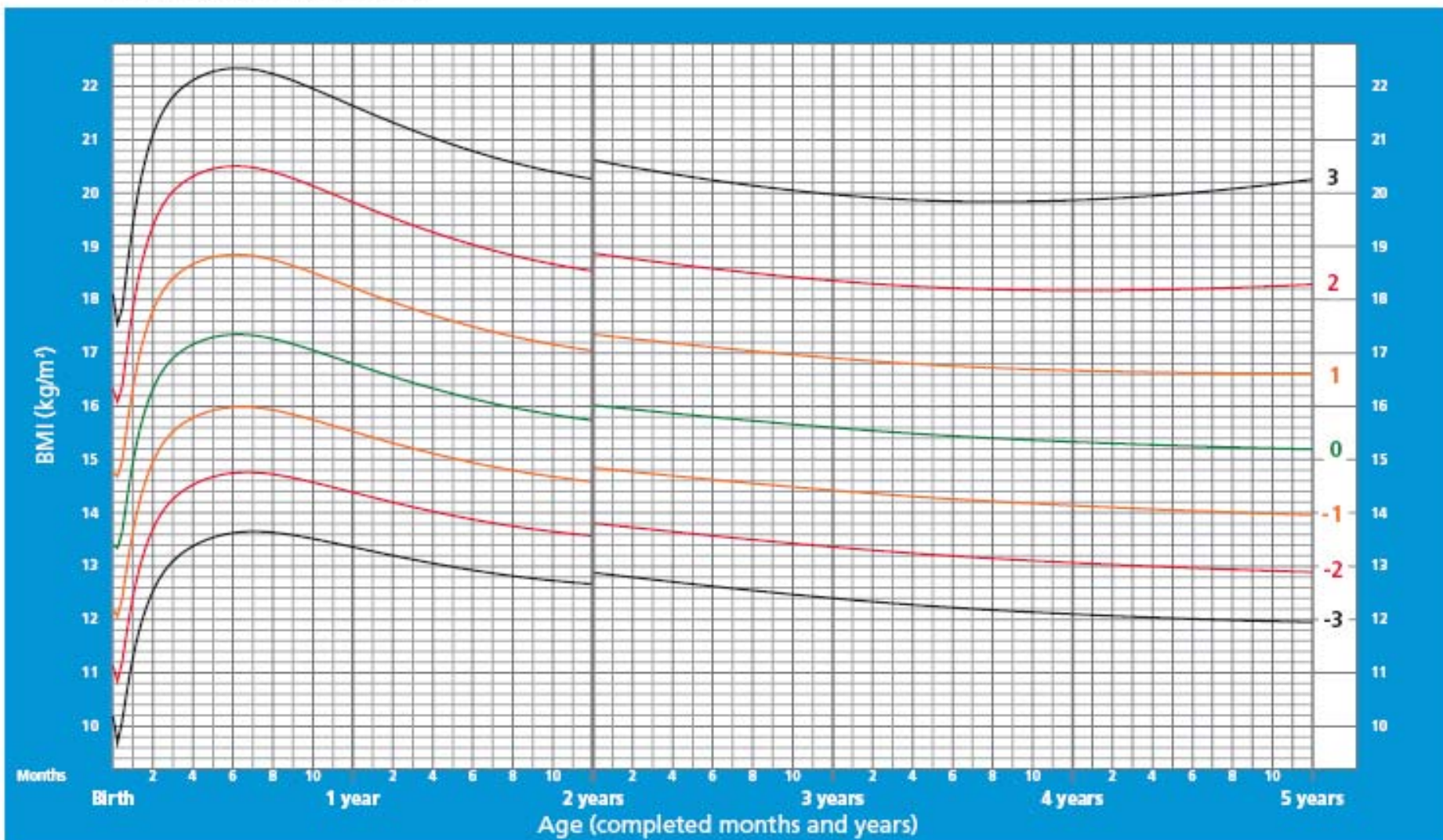
Length/height-for-age BOYS

Birth to 5 years (z-scores)



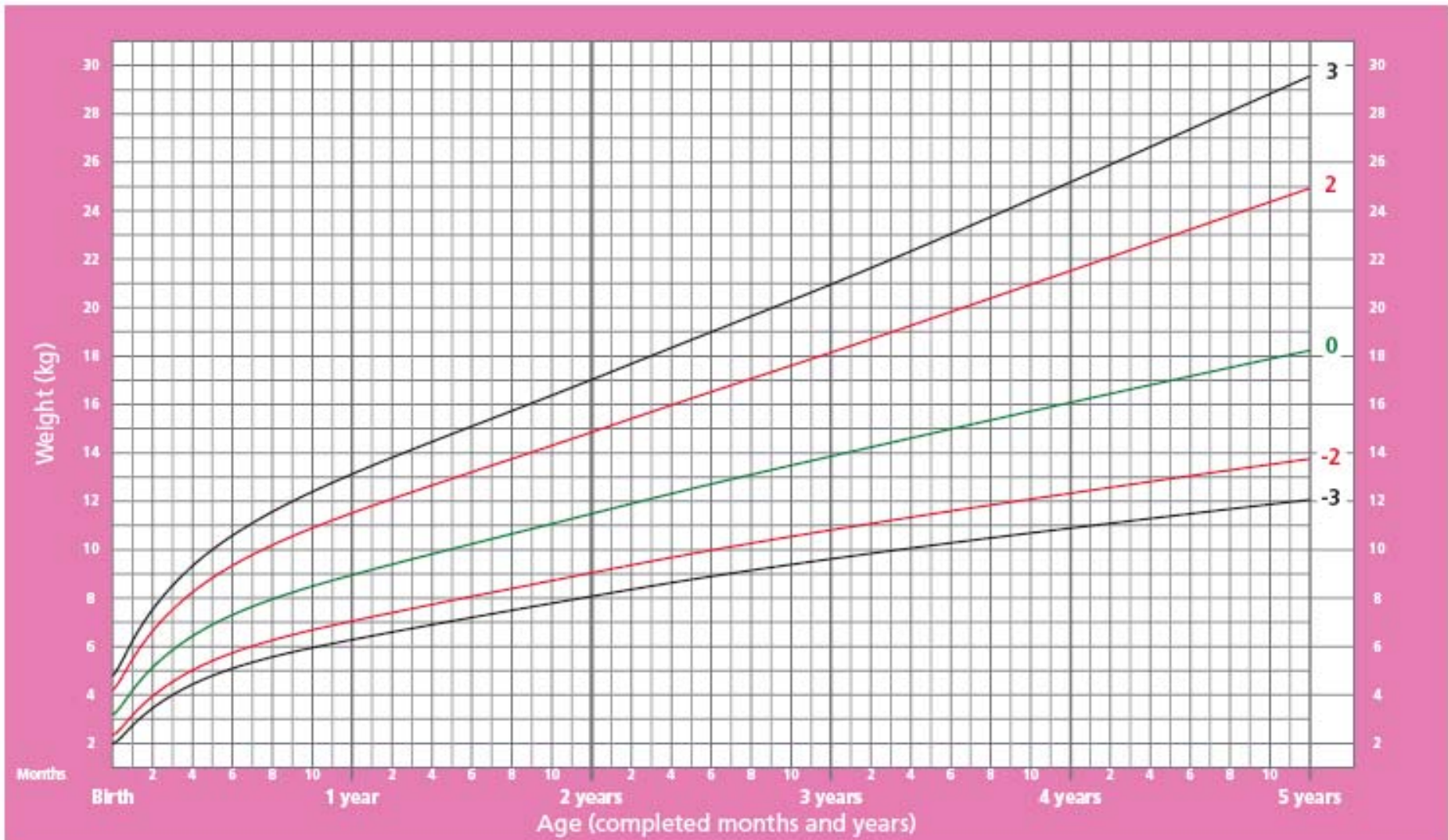
BMI-for-age BOYS

Birth to 5 years (z-scores)



Weight-for-age GIRLS

Birth to 5 years (z-scores)



No
gift
is
more
precious

Breastfeeding[®]

- provides perfect nutrition
- provides initial immunization
- prevents diarrhoea
- maximizes a child's physical and intellectual potential
- supports food security
- bonds mother and child
- helps birth spacing
- benefits maternal health
- saves money
- is environment-friendly



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WHO Child Growth Standards



The new standards
will play a key role
in the prevention
and early
recognition of
childhood obesity



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Implementation phase

- About 100 countries use NCHS reference
- Regional consultations to inform Member States
- Training of trainers workshops
- Application tools:
 - Training materials
 - PC and PPC software for clinical and population uses
 - Child Growth Record
 - Growth chart catalogue
 - Field tables
 - Website: www.who.int/childgrowth



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WHO Child Growth Standards



Child survival



Physical growth



Child development

www.who.int/nutrition



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