

CHILDREN ANTHROPOMETRY AND CHILD RESTRAINT SYSTEM



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Minimum size for children to use 3-point seat belts

Data from the US Traffic Accident Registration System (NASS) from 1988-1991
Research on volunteers from 6-12 years old when using 3 different types of chairs

1. Minimum standing height 148cm
2. Minimum sitting height 74cm
3. Minimum weight 37 kg



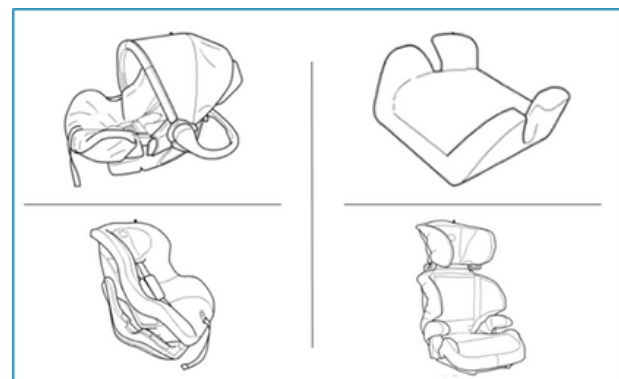
CRS classification for children according to United Nations standards (UN Regulation No 44)

Group	Used for
0	Children weighing under 10kg, from birth to 6-9 months old
0+	Children weighing under 13kg, from birth to 4-6 years old.
I	Children weighing 9-18 kg, form 9 months to 4 years old.
II	Children weighing 15-25 kg, about 4-6 years old.
III	Children weighing 22-36 kg, about 6-11 years old.



Recommendations from several research on CSR in cars

- Children under 12 years old must not sit in the front seat
- Children under the age of 12 or under 150cm tall need to use appropriate CRS.
- Select quality CRS (genuine products, certified authorities, with specific instructions).



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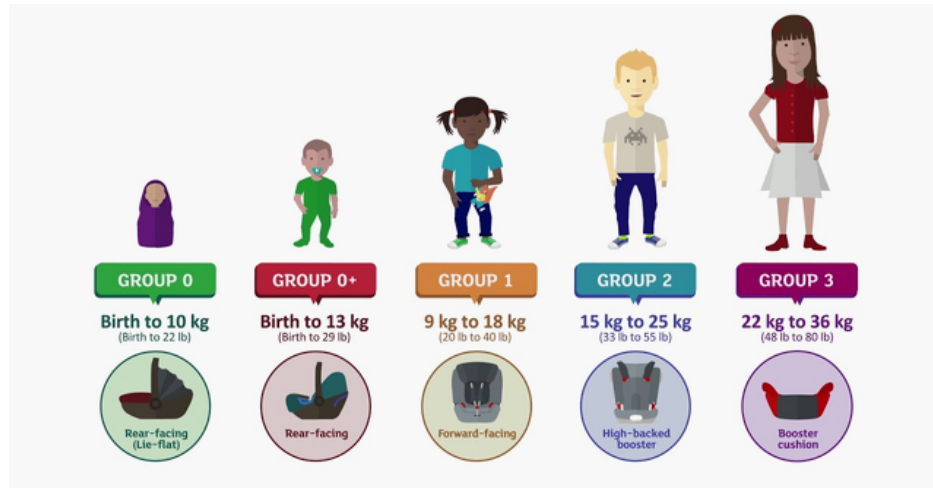


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Weight and height of Vietnamese children

Boys						Girls						
Weight				Height	Age		Weight				Height	
-2SD	TB	+2SD	-2SD	TB	+2SD	-2SD	TB	+2SD	-2SD	TB	+2SD	
7.7	9.6	12.0	71.0	Boys	80.5	1	7.0	8.9	11.5	68.9	74.0	79.2
9.7	12.2	15.3	81.0		93.2	2	9.0	11.5	14.8	80.0	86.4	92.9
11.3	14.3	18.3	88.7		103.5	3	10.8	13.9	18.1	87.4	95.1	102.7
12.7	16.3	21.2	94.9		111.7	4	12.3	16.1	21.5	94.1	102.7	111.3
14.1	18.3	24.2	100.7		119.2	5	13.7	18.2	24.9	99.9	109.4	118.9
15.9	20.5	27.1	106.1		125.8	6	15.3	20.2	27.8	104.9	115.1	125.4
17.7	22.9	30.7	111.2		132.3	7	16.8	22.4	31.4	109.9	120.8	131.7
19.5	25.4	34.7	116.0		138.6	8	18.6	25.0	35.8	115.0	126.6	138.2
21.3	28.1	39.4	120.5		144.6	9	20.8	28.2	41.0	120.3	132.5	144.7
23.2	31.4	45.0	125.0		150.5	10	23.3	31.9	46.9	125.8	138.6	151.4
24.1	35.3	51.7	129.7		156.6	11	24.5	37.0	56.4	130.9	144.8	156.7
26.8	39.8	59.9	134.9		163.3	12	27.4	41.5	63.3	137.9	151.5	165.4

Source of information: Nutrition status report, National Institute of Nutrition



Applying WHO's child growth standard table in Vietnam

- At the age of 12, boys reach about 149.1 and girls 151.5 cm
- It is estimated that about 14.8% of children in Vietnam will be shorter than the average height for their age due to stunting.

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