

Child Car Seats - Explained

Cross Party Group – June 2017

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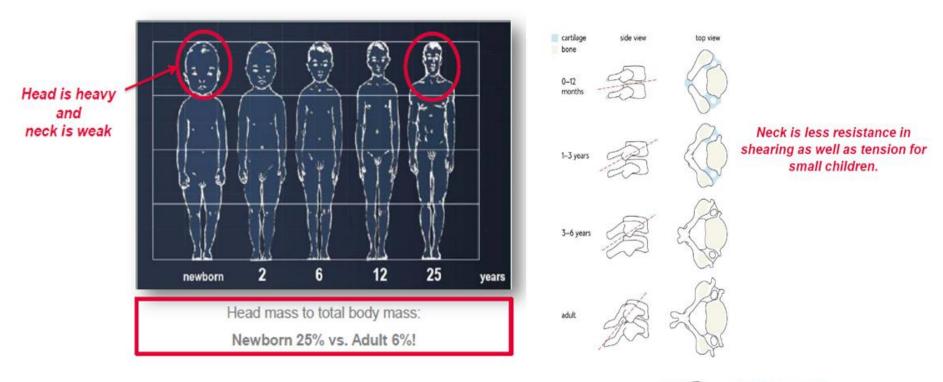


All children travelling in a car must use correct child restraint for their weight and height

• Until they are 135 cm tall or 12 years of age







 In rear facing travel the head and neck are supported by the child seat in a frontal collision (the most common type of accident).



Spreading loads to protect the weak neck area

Vehicle Displacement



FROM BIRTH Group 0/0+ REARWARD FACING - affixed by vehicle seatbelt

FROM 9 – 12 months Group 1 FORWARD Facing – affixed by vehicle seatbelt

From 4 Plus Group 2/3 FORWARD Facing – child secured by vehicle seatbelt







Forward v Rearward facing pros and cons



- Research has shown a child can be up to five times safer being carried rearward facing
- Rearward facing can now be extended to approximately 25 kg
- Forward facing allows child to be seen easier ?
- Reduced requirement for space with forward facing
- Tendency to 'feel' forward facing is more natural.



lsofix

- Introduced by Britax Romer to simplify child seat installation
- Fixes to body of car at three points, two anchor points and top tether/leg support
- Became part of ECU 14 and 44 in Feb 2004
- All new cars manufactured since 2013 must be fitted with ISOFIX and top tether points









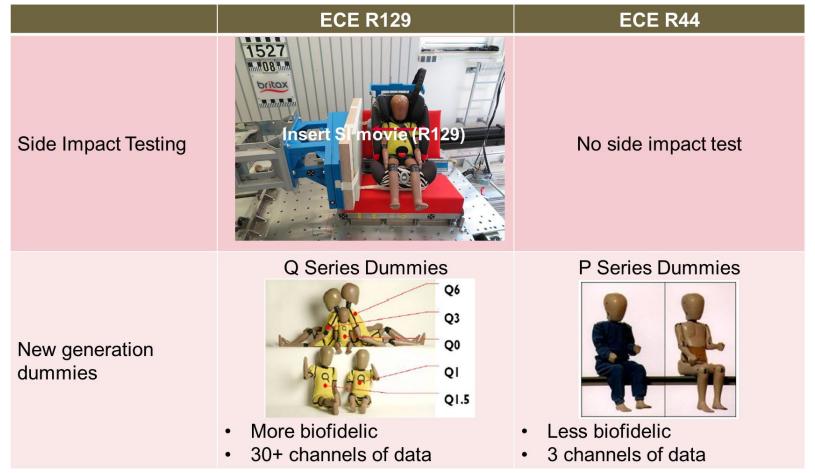


i-size – its all about height

- New legislation ECE R129 came into force 9 July 2013 in parallel with R44/04
- Side Protection included in testing
- Mandatory for all children to be carried rearward facing until at least 15 months (0 and 0+) (up to 83cm)
- Car Seat position in vehicle must be approved



Side Impact Testing





ECE R44 Continues to evolve – most significant recent changes

• June 2013



540 ° roll-over test



January 2017



No new R44 approvals (or extension of approval) for booster cushions for children below 125cm

September 2017

- No approval of new ISOFIX integeral products
- September 2020
 - No extension of ISOFIX integral products





Booster cushions – New Legislation



- 9 February 2017 booster seats manufactured for only children in excess of 22kgs and over 125cm tall.
- Existing booster seats/cushions can still be sold and used.
- RoSPA always recommend leaving the back on a booster seat to give lateral support





Duty of Care

All children up to age of 12 must be carried in an approved seat - DRIVER

Local Authorities/Care Organisations -Carrying other peoples children?



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