

A young girl with brown hair, wearing a yellow shirt, is smiling and looking towards the camera. She is seated in a black car seat with a grey harness. The background shows the interior of a car, including the window and the back of another seat.

CHILD RESTRAINT USE IN SWEDEN

VOLVIA

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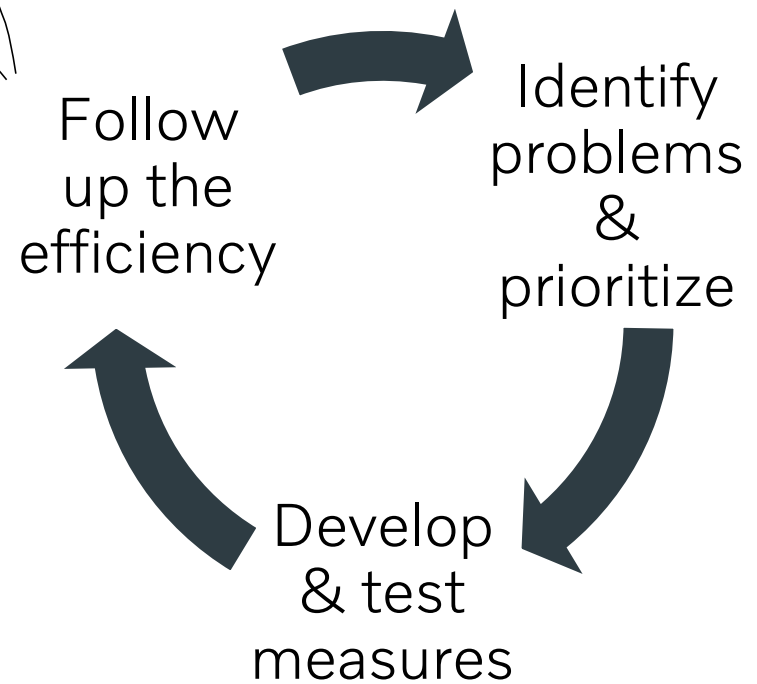
Content

- Aim of this study
- The Volvia “Child Safety in Cars” survey
- Method
- CRS in Sweden
- Results
- Discussion

Aim

acceptance &
usage

injury prevention



1. CRS use among children in Sweden
2. CRS usage behaviors

The Volvia “Child Safety in Cars” survey - an annual study since 2010

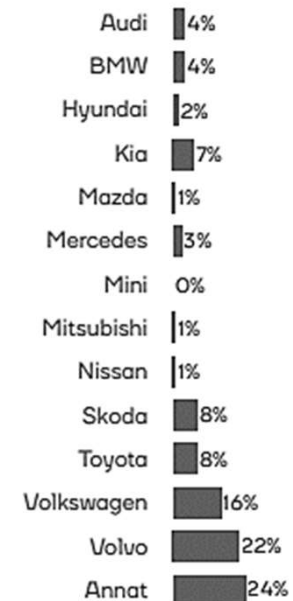


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Method

- Online questionnaire covering usage, behavior and knowledge in relation to CRS use
- Selection criteria:
 - People aged 20-65 with children aged 0-10 years and 11 months
 - Access to car in which they drive a child regularly
 - various car brands
- Weighted data → representative for gender, age
- 2022 data set collected in February: 1,007 adults and 1,676 children



Child age-groups

- 0 up to 2 years = children that has not turned 2 years old
- 2 up to 4 years = children from 2 years to 3 years and 11 months
- 4 up to 8 years = children from 4 years to 7 years and 11 months
- 8 up to 11 years = children from 8 years to 10 years and 11 months

■ 0 up to 2 ■ 2 up to 4 ■ 4 up to 8 ■ 8 up to 11

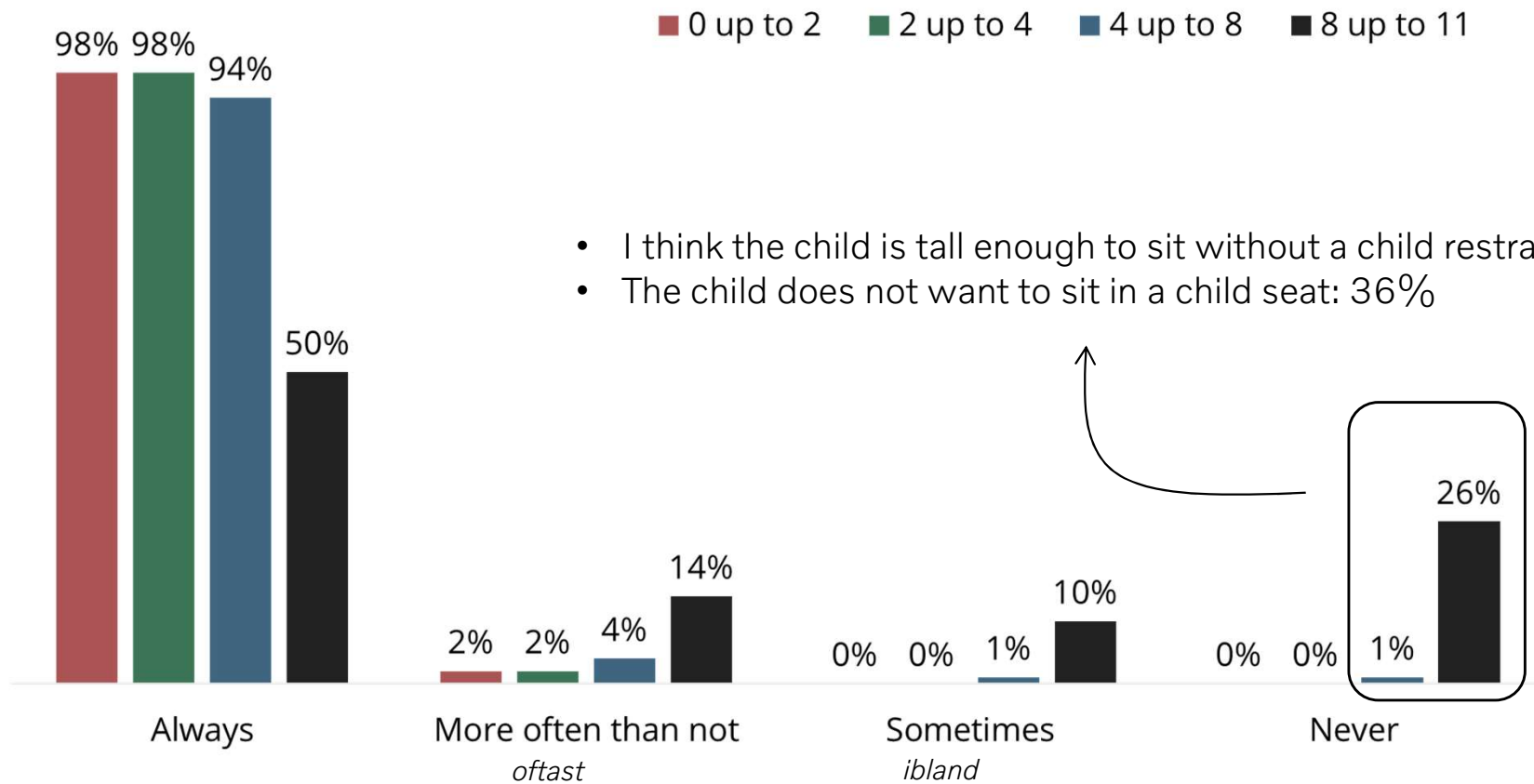
CRS in Sweden

- Law:
 - All children shorter than 135 cm must always use an approved CRS
- Recommendation:
 - Children should travel rear-facing until at least 4 years of age, preferably longer
 - Children should be at least 140 cm and 10-12 years old before using a vehicle seat belt only

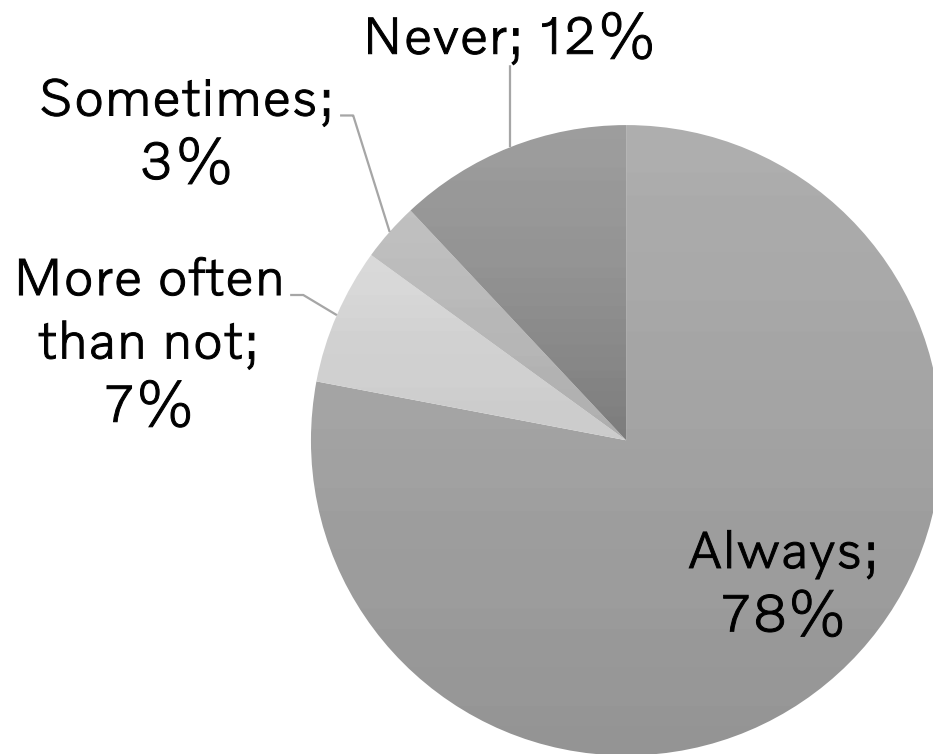
■ 0 up to 2 ■ 2 up to 4

How often do you use CRS? 2022 update

all CRS types: infant seats + child seats + booster seats/cushions



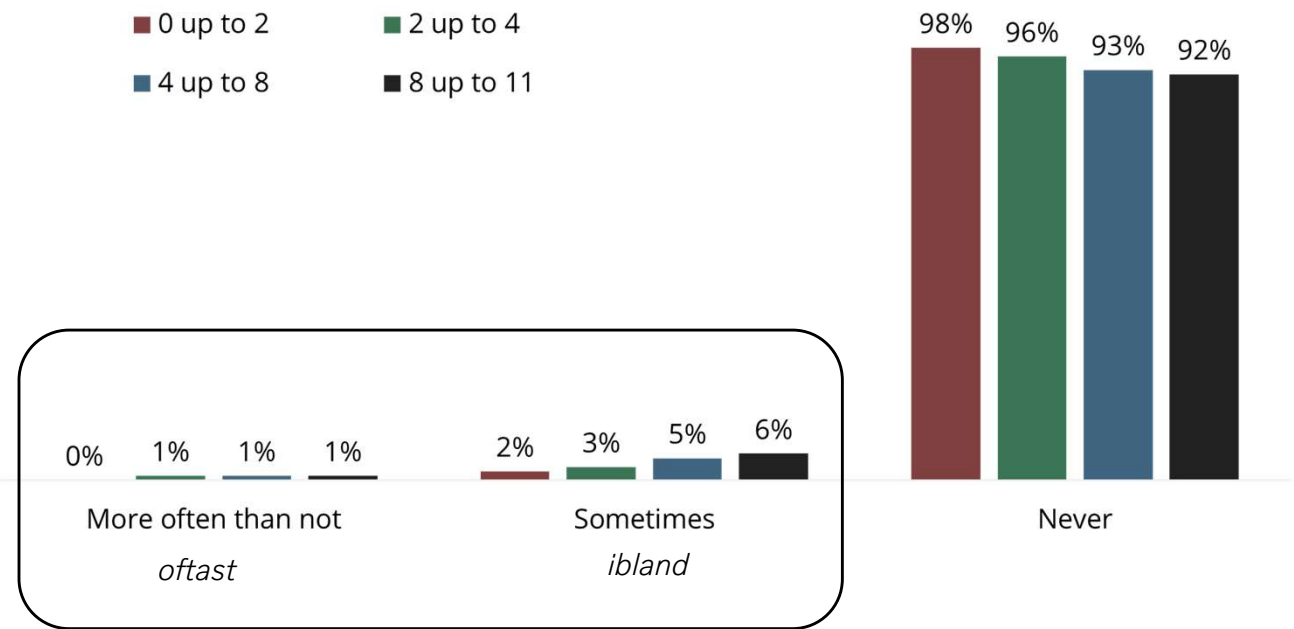
CRS usage for children 5-11 years, < 135 cm



12% of children <135 cm never uses CRS

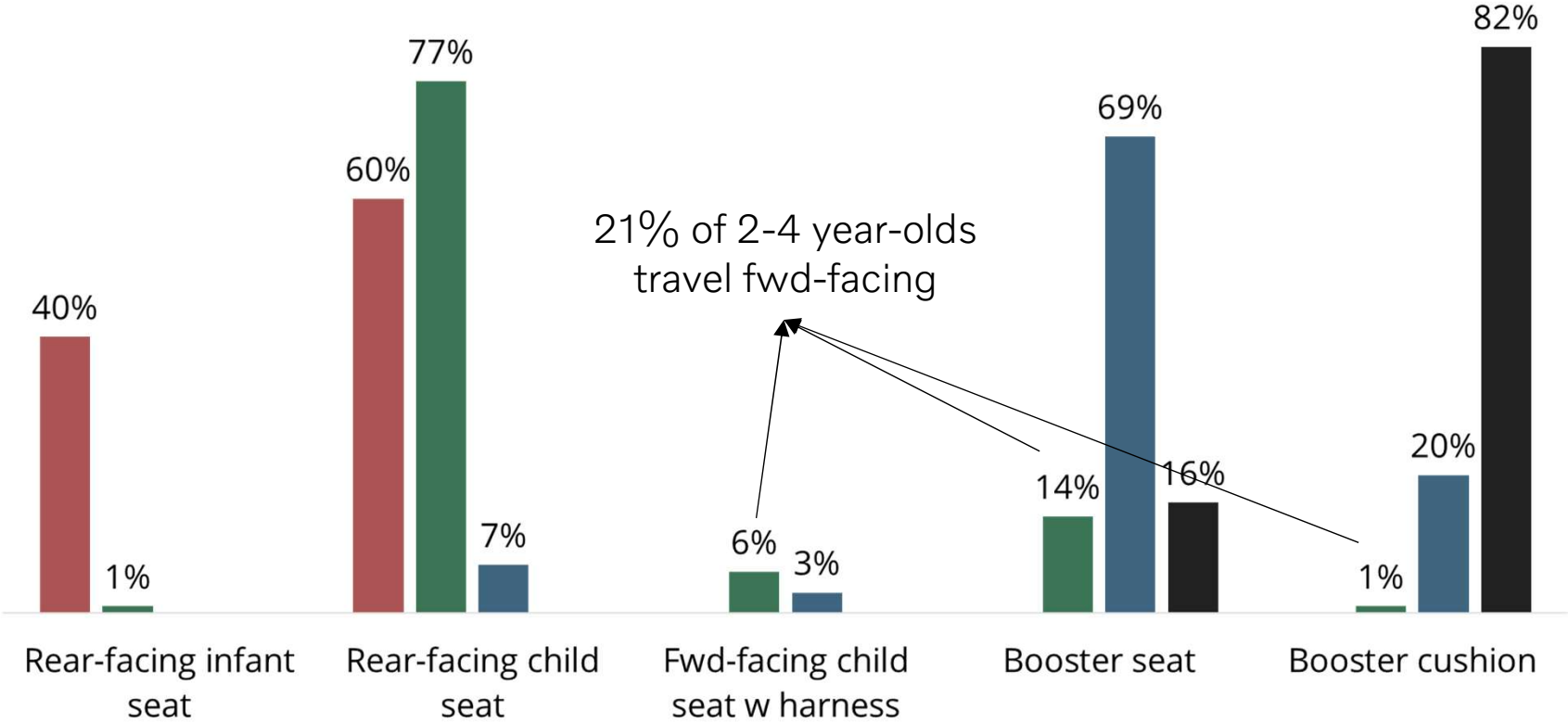
Does it happen that the child not uses any restraint at all ?

- Only goes a short distance: 34%
- Forgets about it: 18%
- There is no risk of a crash: 10%

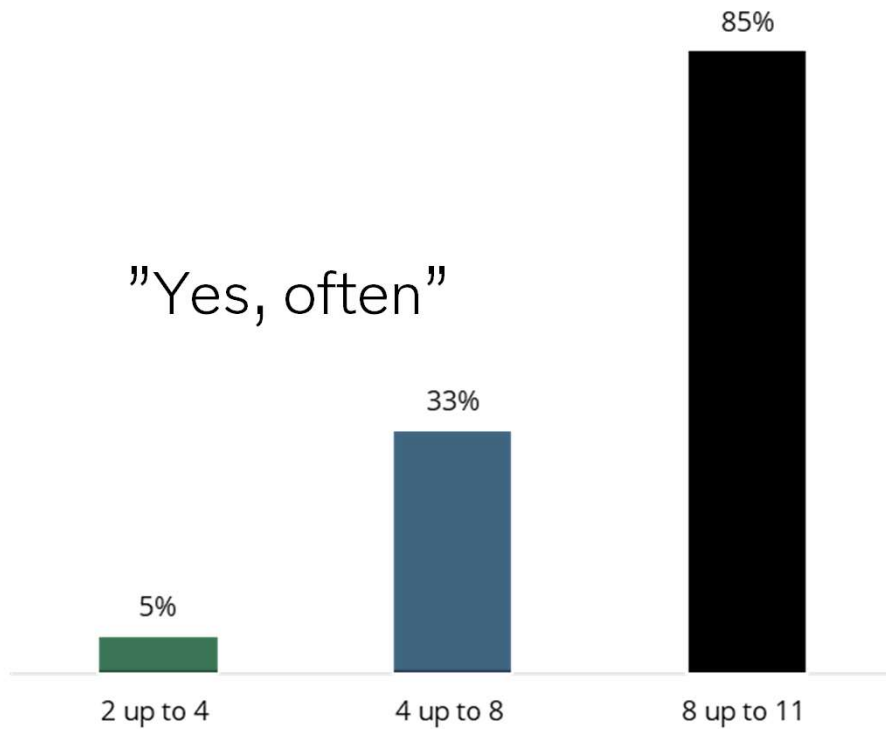


CRS per agegroup

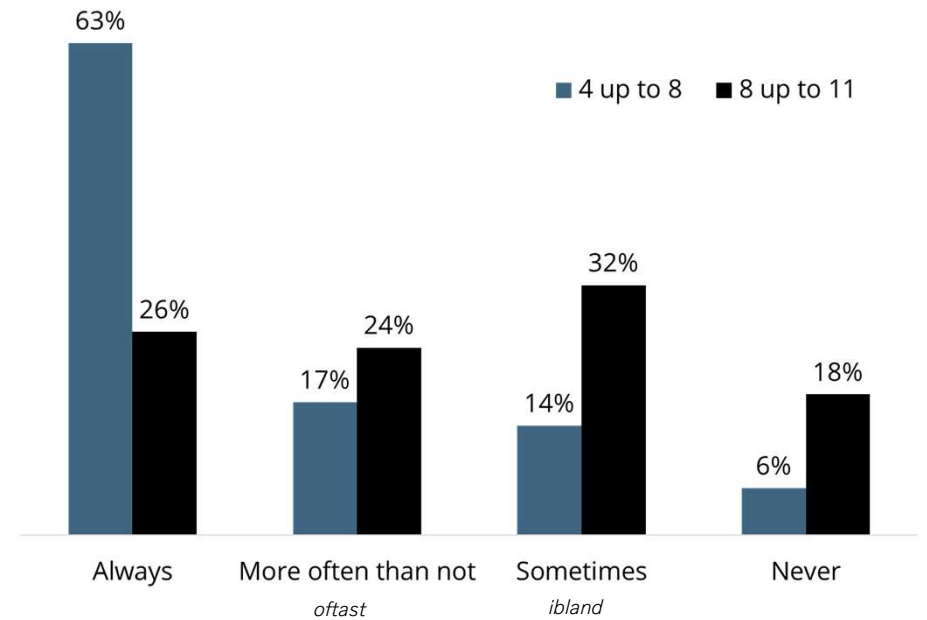
0 up to 2 2 up to 4 4 up to 8 8 up to 11



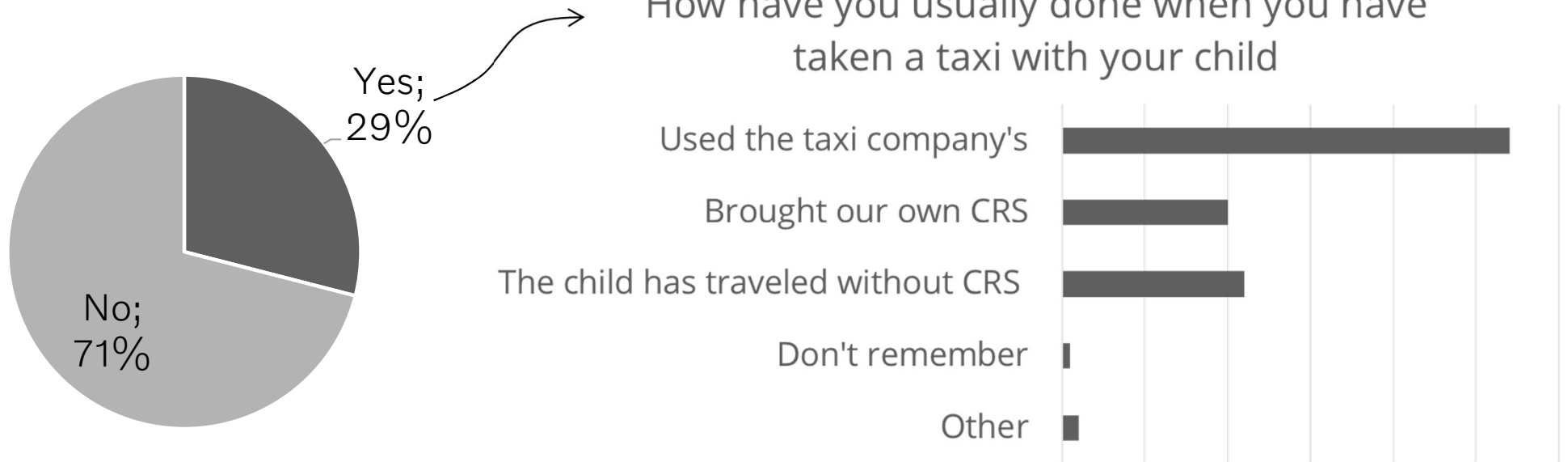
Do you let the child buckle up him/herself?



When the child is fastened, do you check how the belt fits??



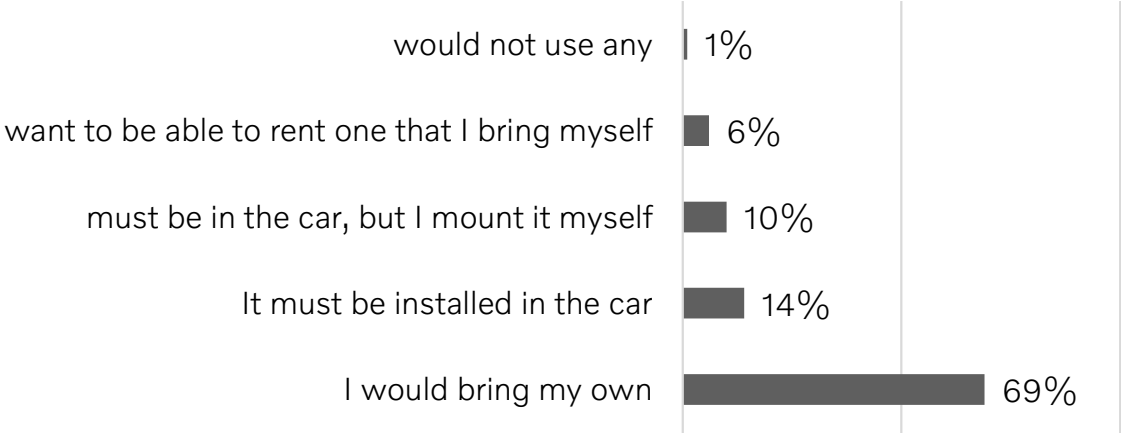
Have you taken a taxi/Uber etc with your child?



Car sharing

25% can imagine using some form of car sharing service (e.g., rent a car for an hour, half a day)

How would you do with CRS if you were to use car sharing services?



Note: People with access to car (&CRS) in which they drive a child regularly

Discussion

Overall high CRS usage - but we are not satisfied:

- Children should travel rearward until 4 years - but 1/5 of this age-group travel forward facing
- Only 50% of 8-11-year-olds always use a booster seat/cushion
 - Continuous information

Usage behaviors, possibilities:

- Many children buckle up themselves, but the driver does not always check
 - Alerts/reminders to drivers and children
- Less use of CRS in taxis
 - Increase access
 - Improve predictions of CRS use in shared mobility → solutions in place for future new/altered behaviors



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