



CASPER

CHILD ADVANCED SAFETY PROJECT FOR EUROPEAN
ROADS

Misuse Observation

*Workshop Child Safety and Cultural Approach
November 30th, Munich, Germany*

**H. Johannsen; G. Müller (Verein für Fahrzeugsicherheit Berlin e.V.)
M.-C. Chevalier; P. Beillas (Université de Lyon, Ifsttar LBMC, Université Lyon 1)
A. Fiorentino (FIAT Group)
P. Lesire (LAB)**

Agenda



1. Introduction
2. Examples
3. Approach
4. Results
5. Common assessment misuse

1 Introduction



- Misuse is often causing serious and fatal injuries
- Most misuse studies regional only
- CASPER misuse study to collect a wider range of countries

2. Example babyshell



2. Example babyshell



2. Example group I



Verein für
Fahrzeugsicherheit Berlin e.V.



2. Example group II/III



3. Approach



- Survey designed to be comparable with previous studies
- CASPER data collection in
 - Berlin
 - Hanover
 - Lyon
 - Naples
- Cooperation with other organisations

3. Approach



Content of the questionnaire

A) Interview:

- Information about driver, child(ren), installation of CRS, purchasing the CRS, experience in using the CRS, knowledge about child safety

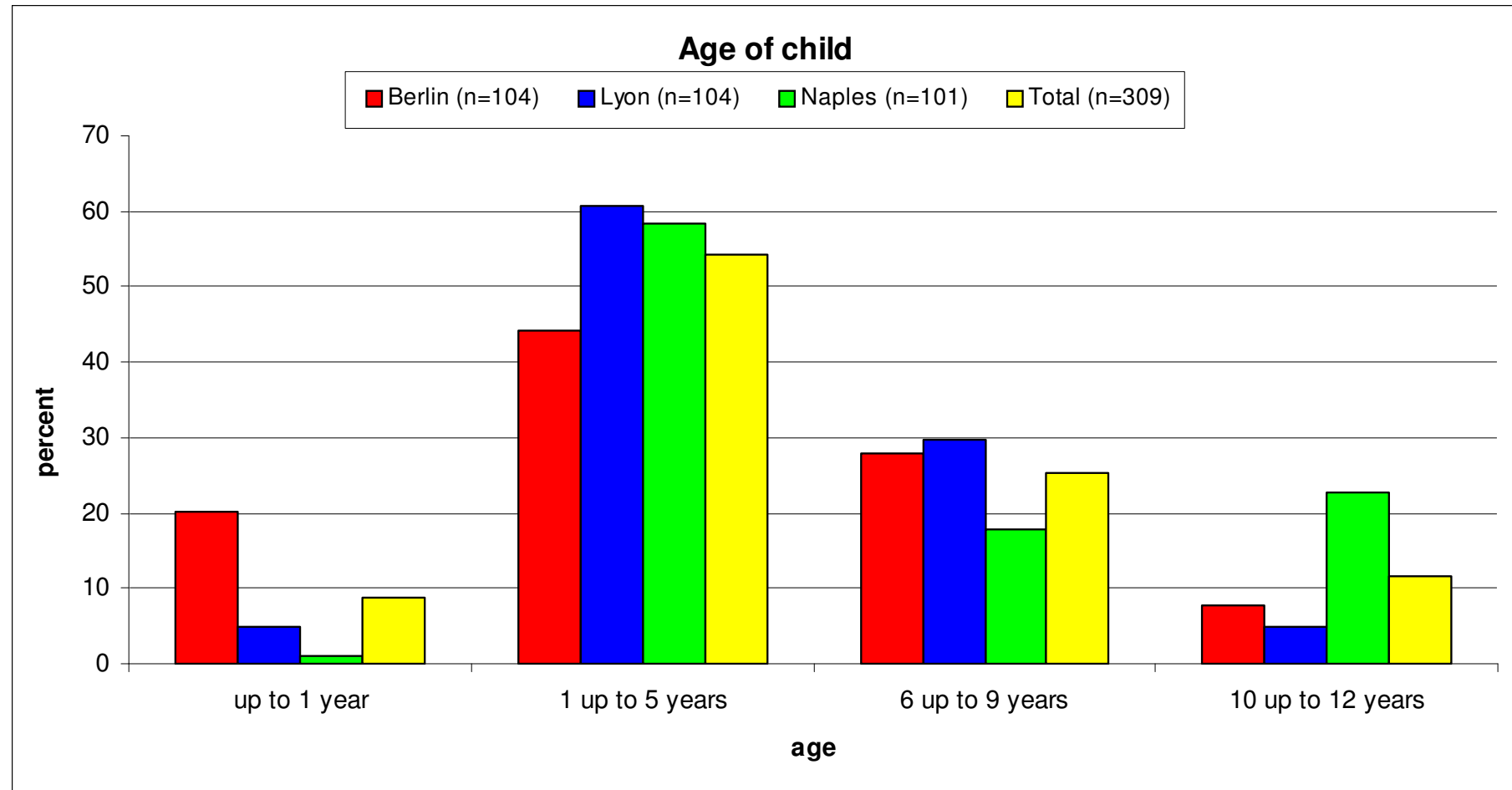
B) Monitoring:

- Car, CRS, misuse

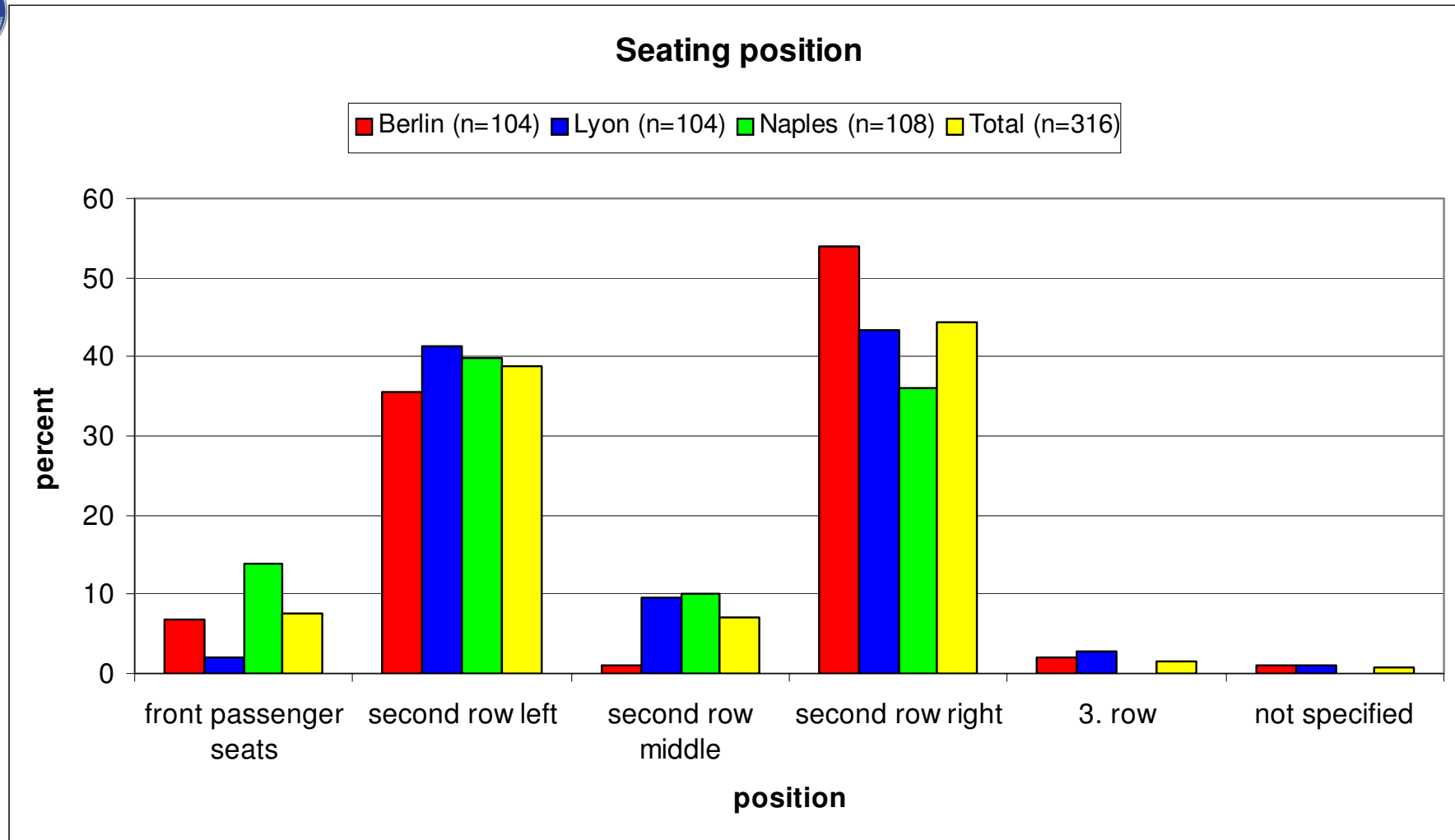
C) Interview:

- Questions about observed misuse

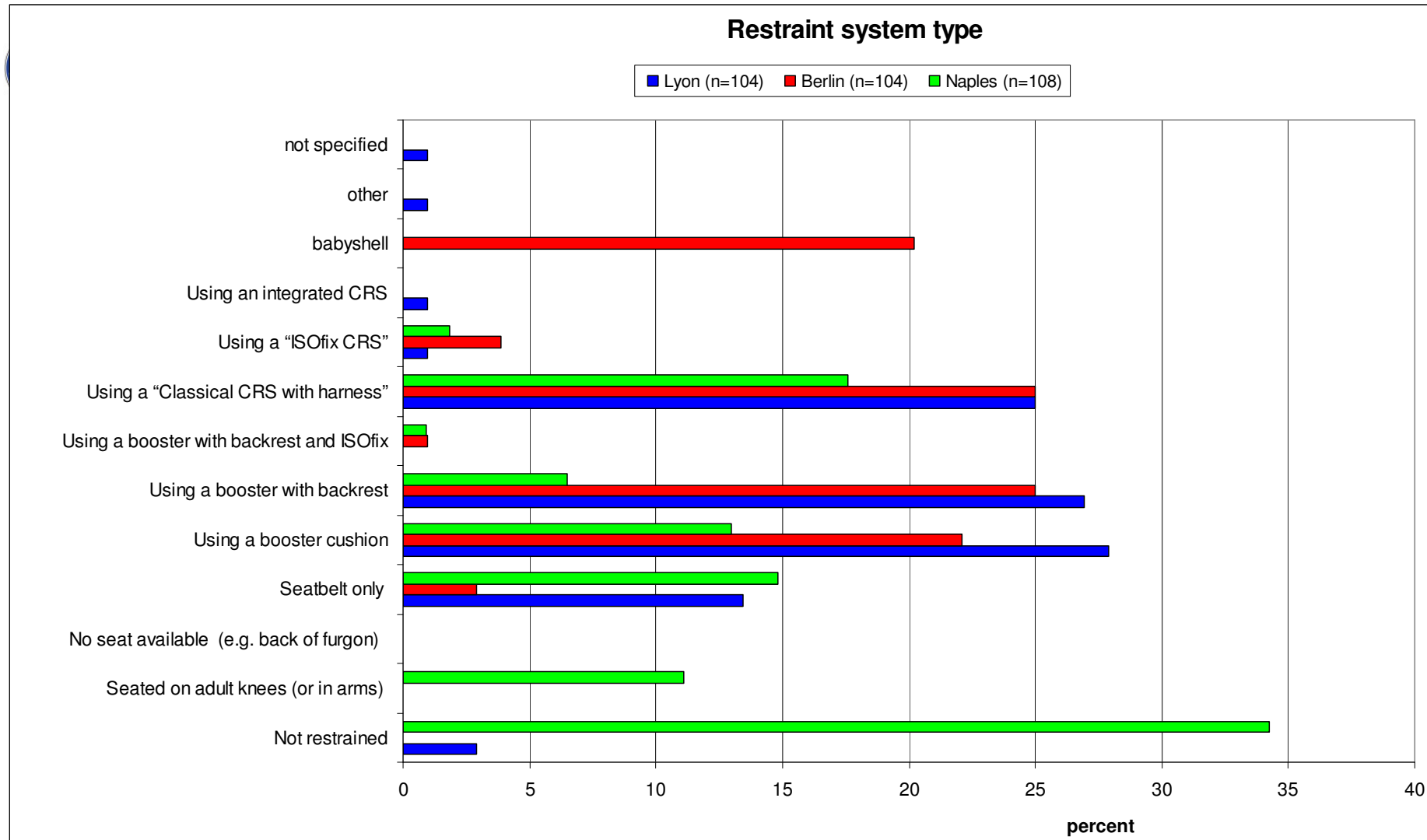
4. General data of the sample



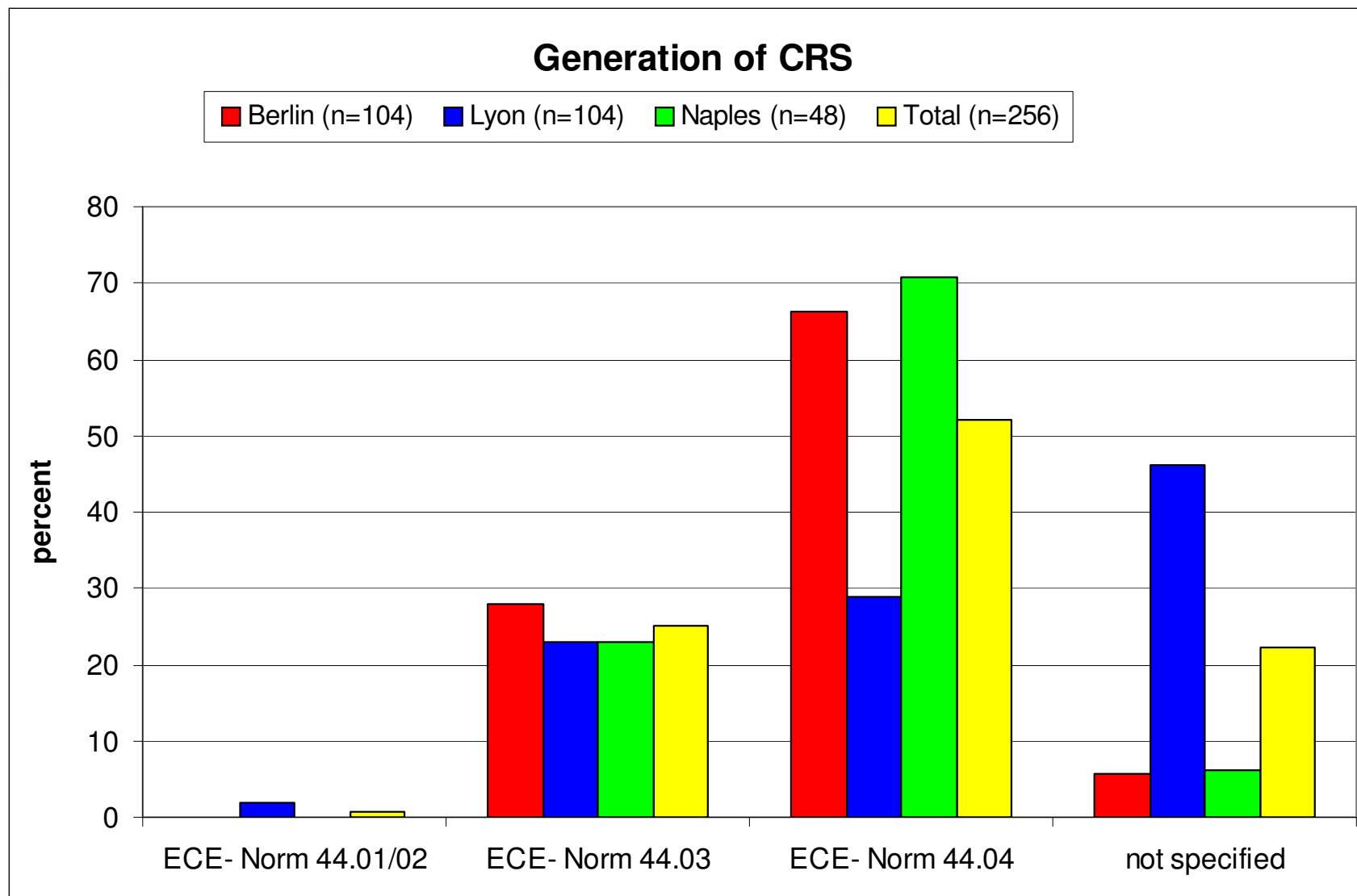
4. General data of the sample



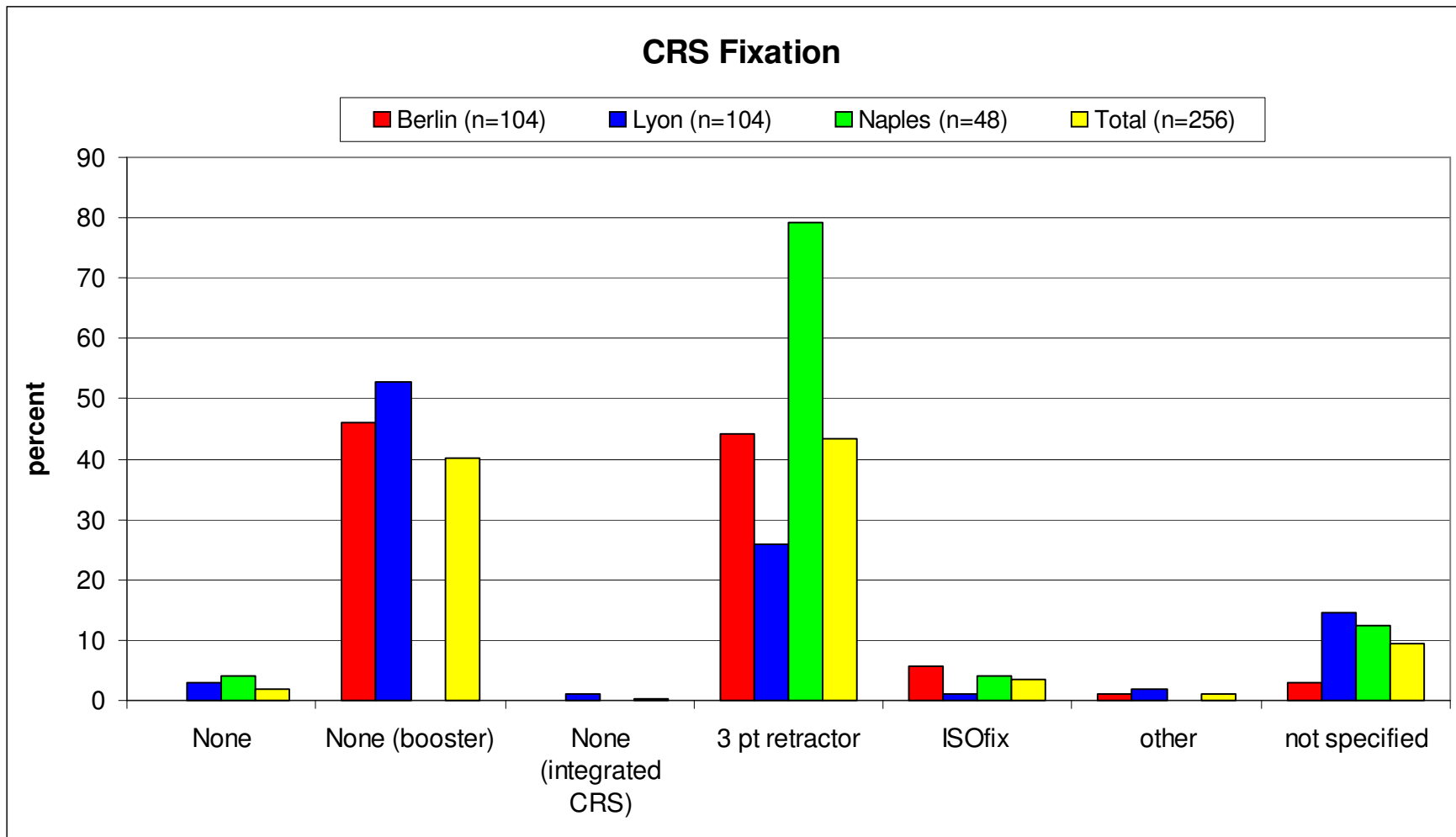
4. Used restraint system



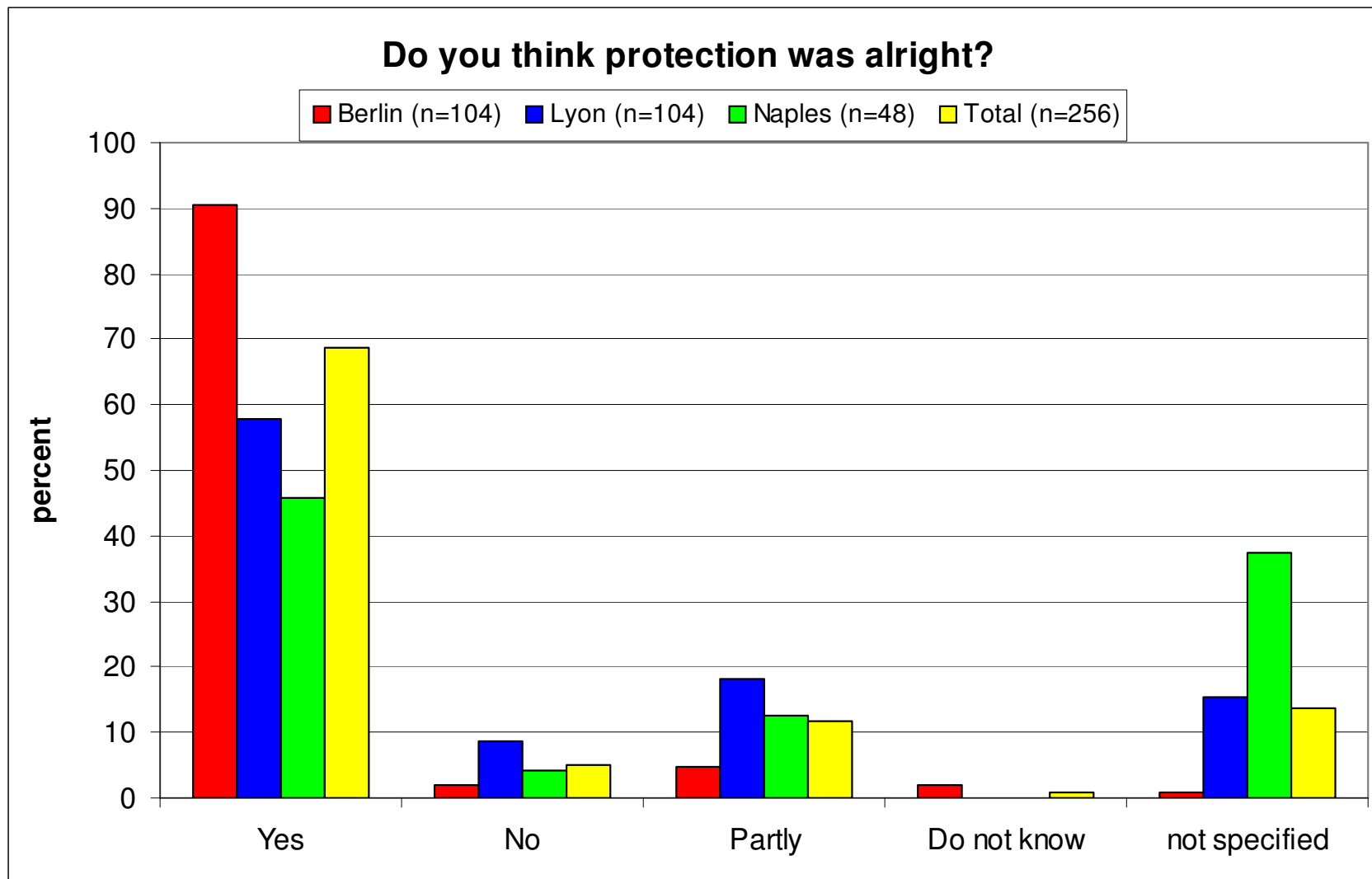
4. Generation of used CRS



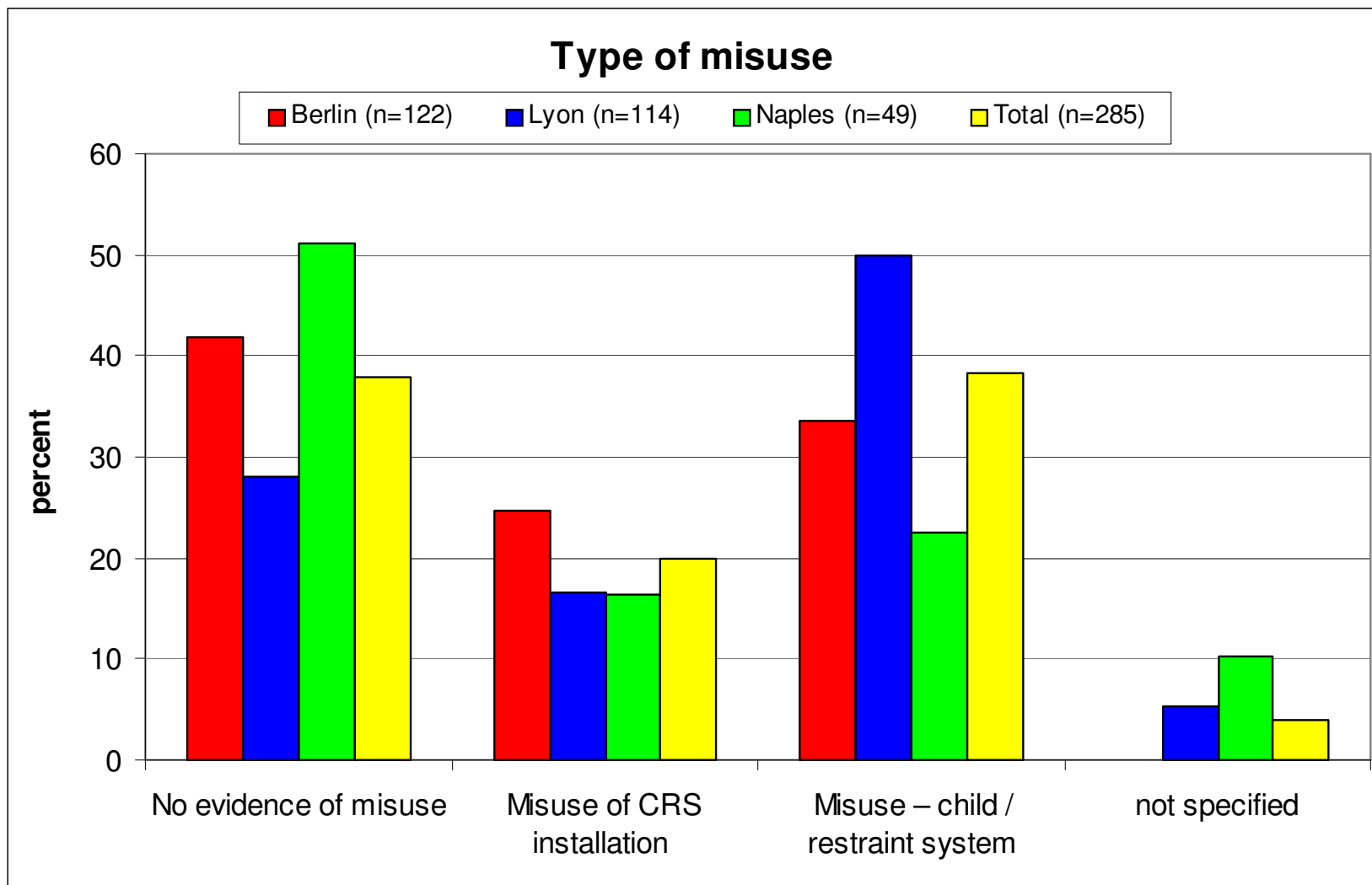
4. Fixation of CRS



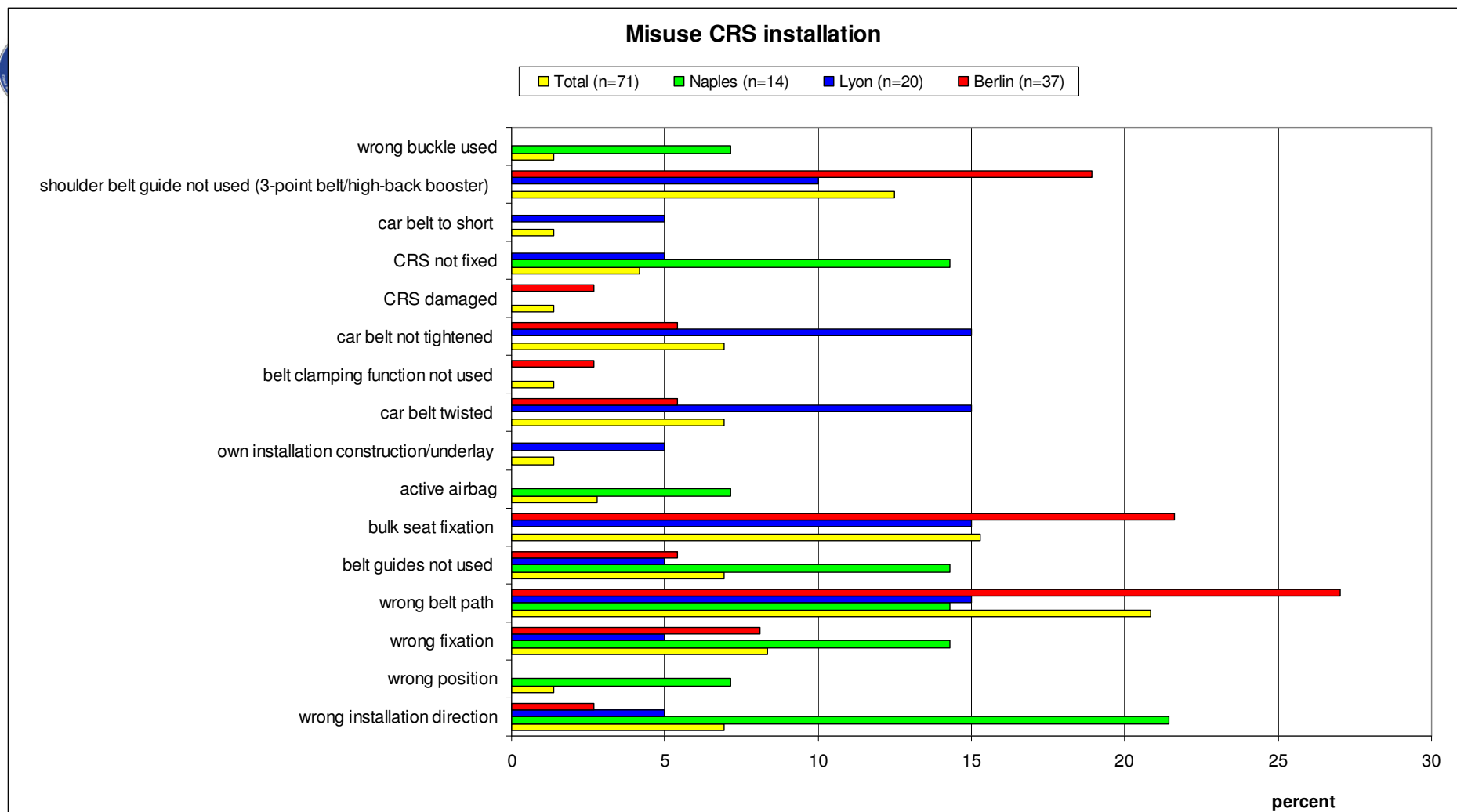
4. Self judgement of the user



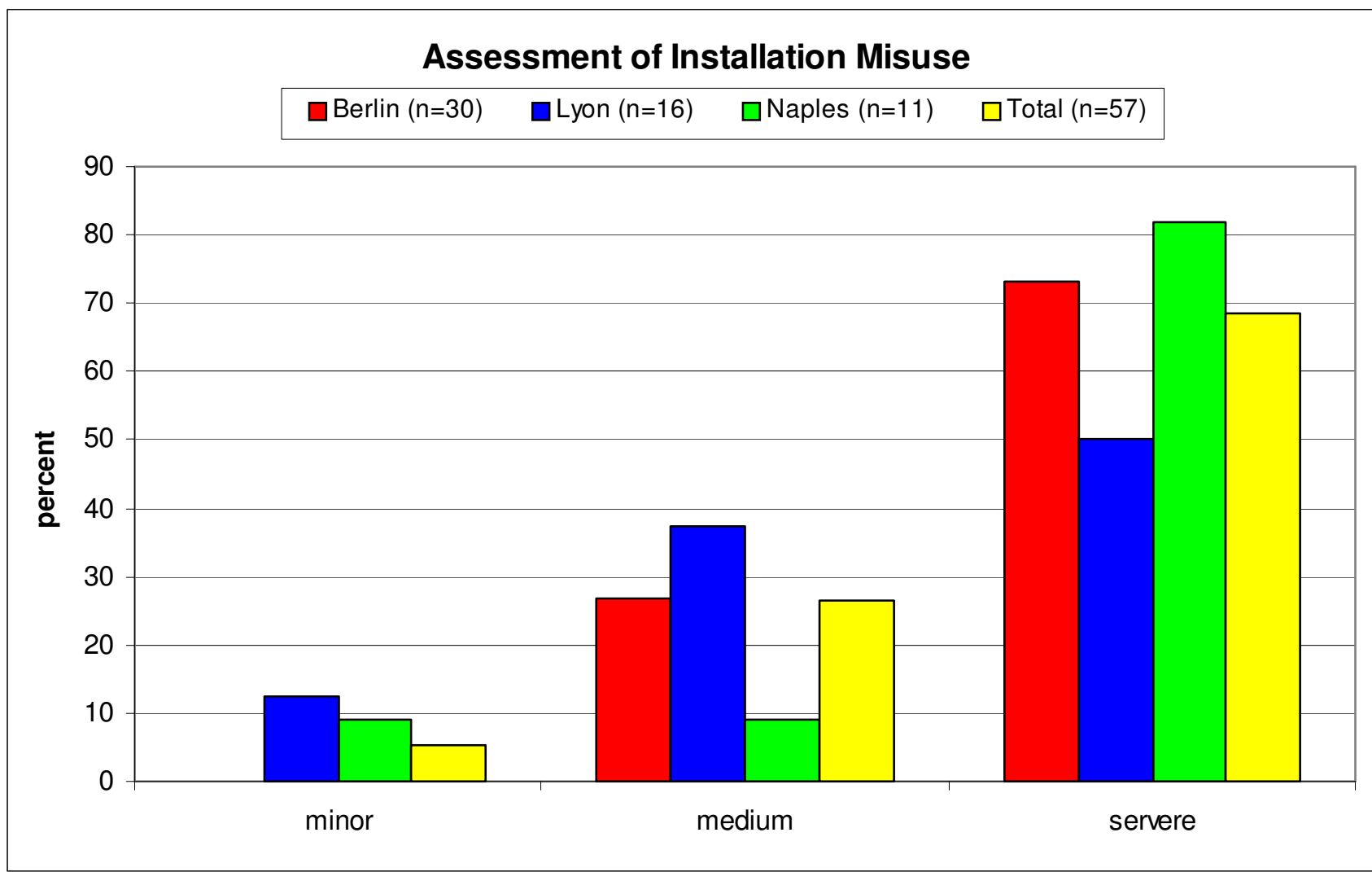
4. CRS use



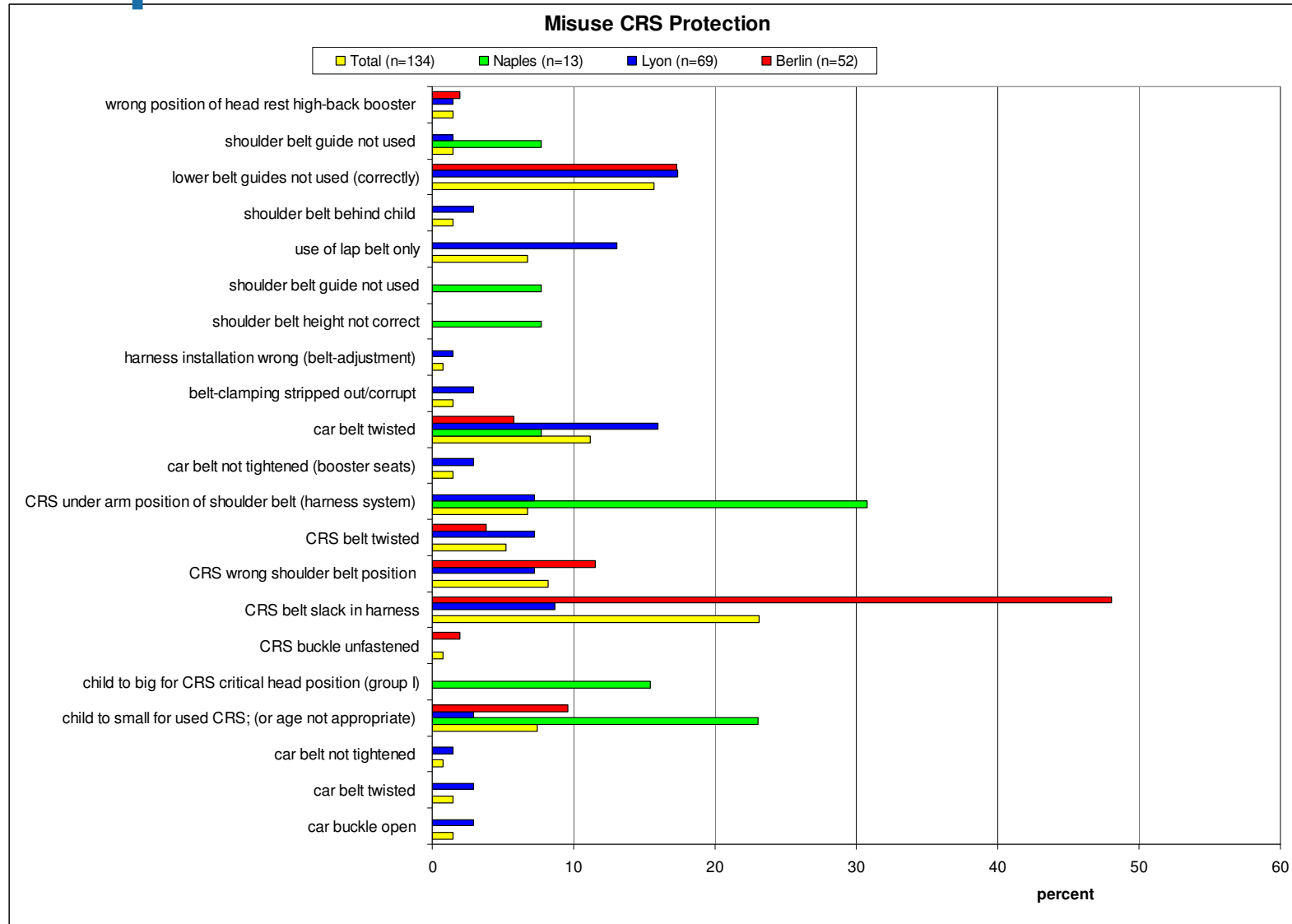
4. CRS installation misuse modes



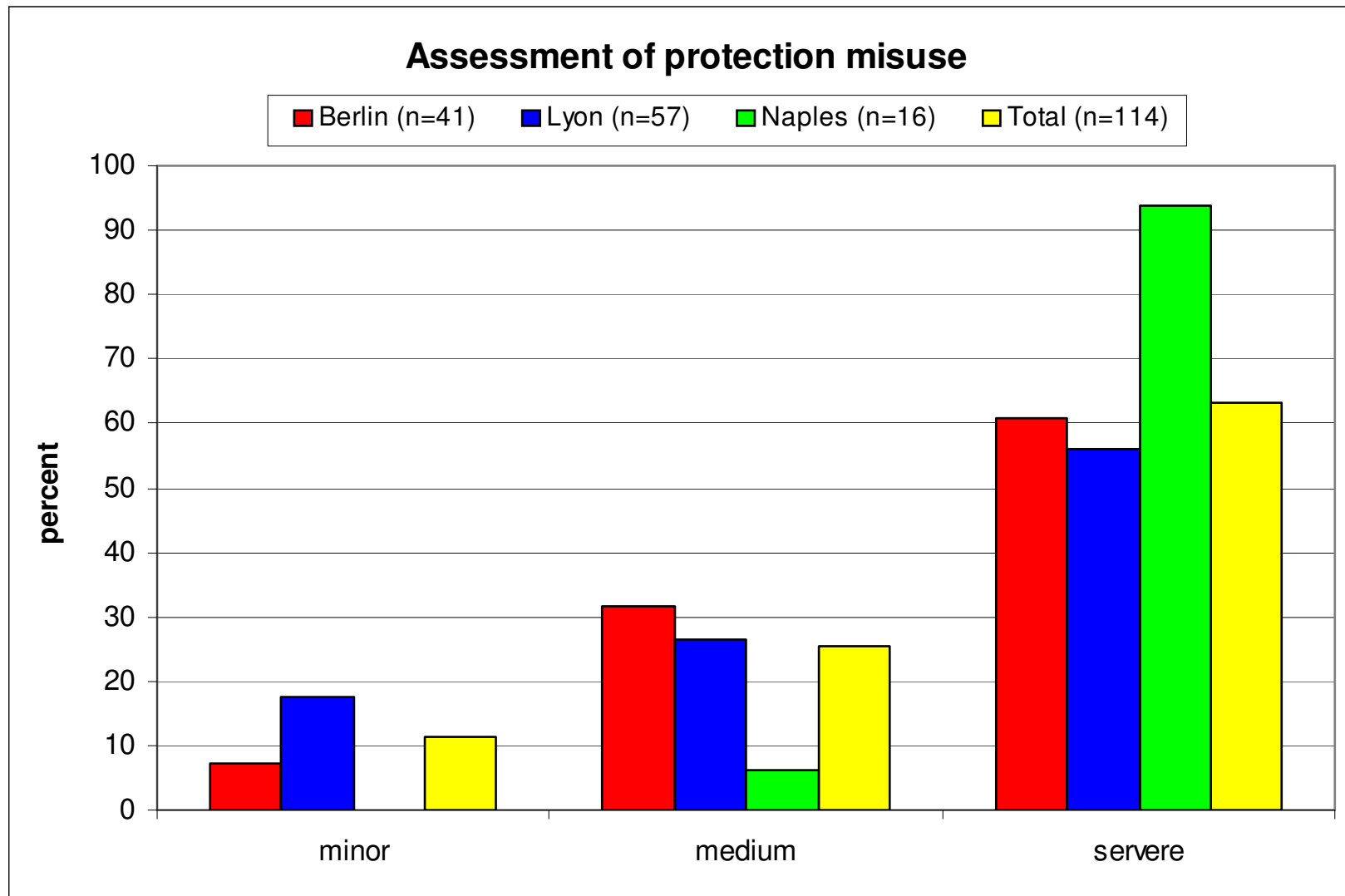
4. CRS installation misuse severity



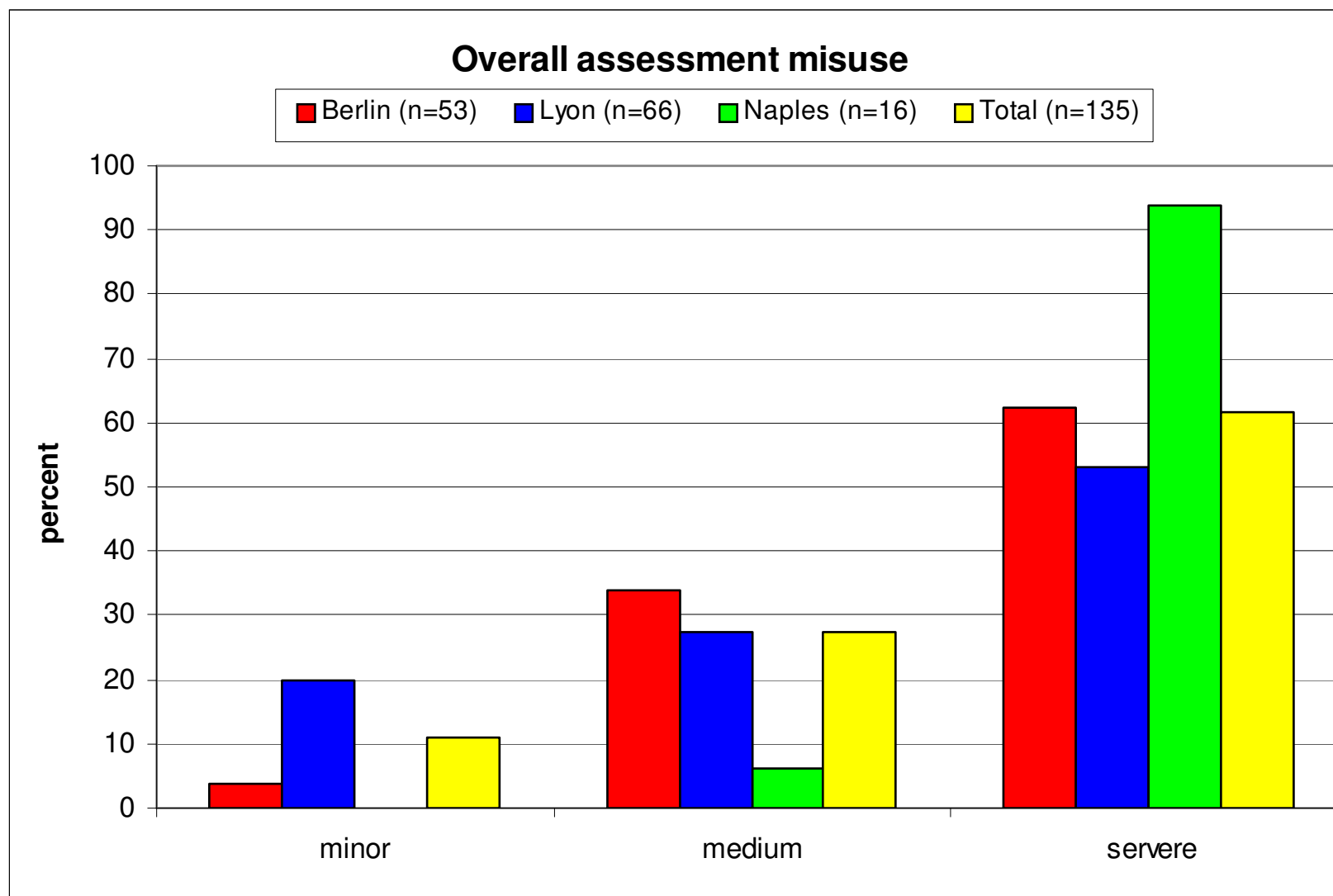
4. Child protection misuse modes



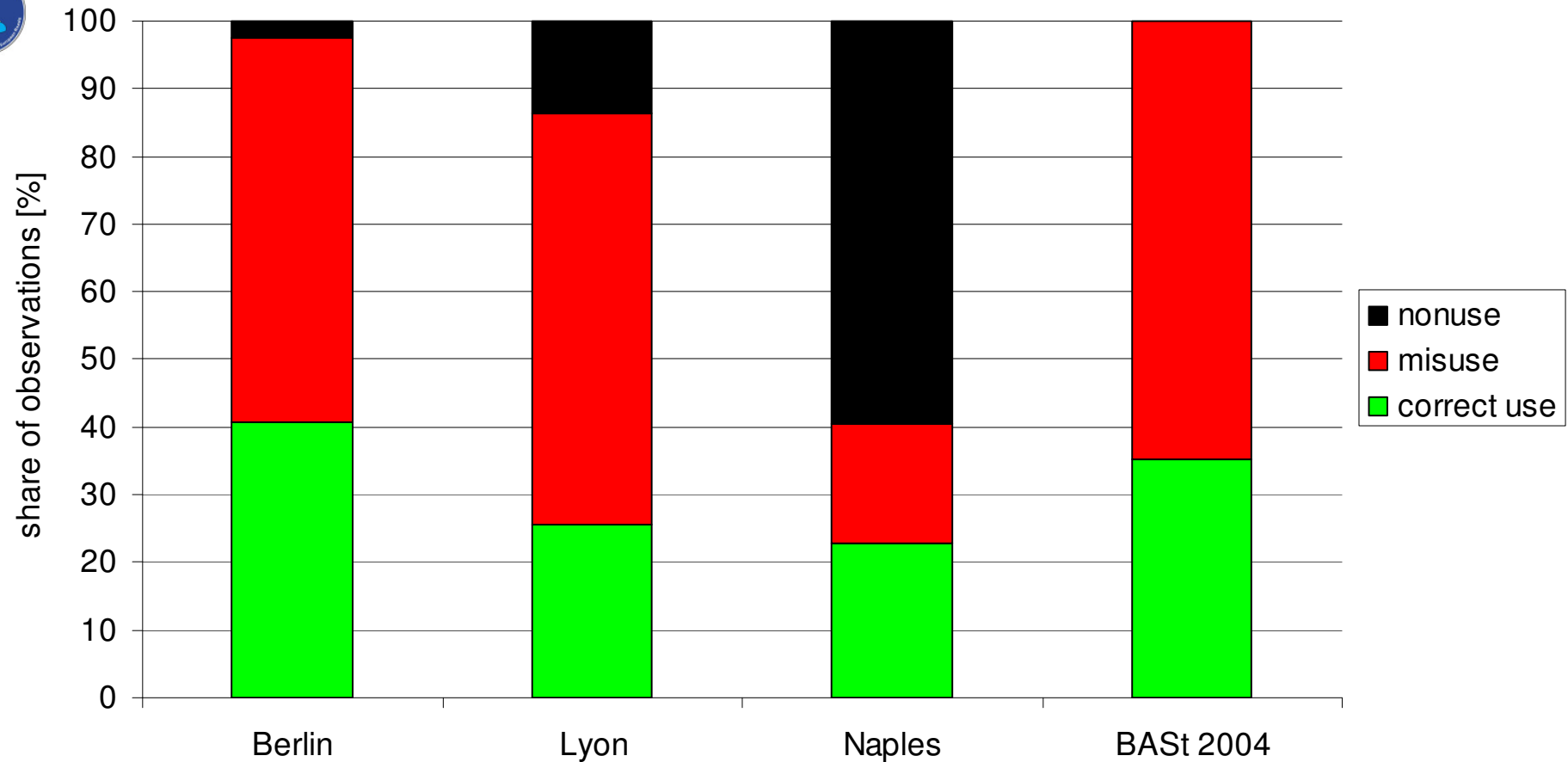
4. Child protection misuse severity



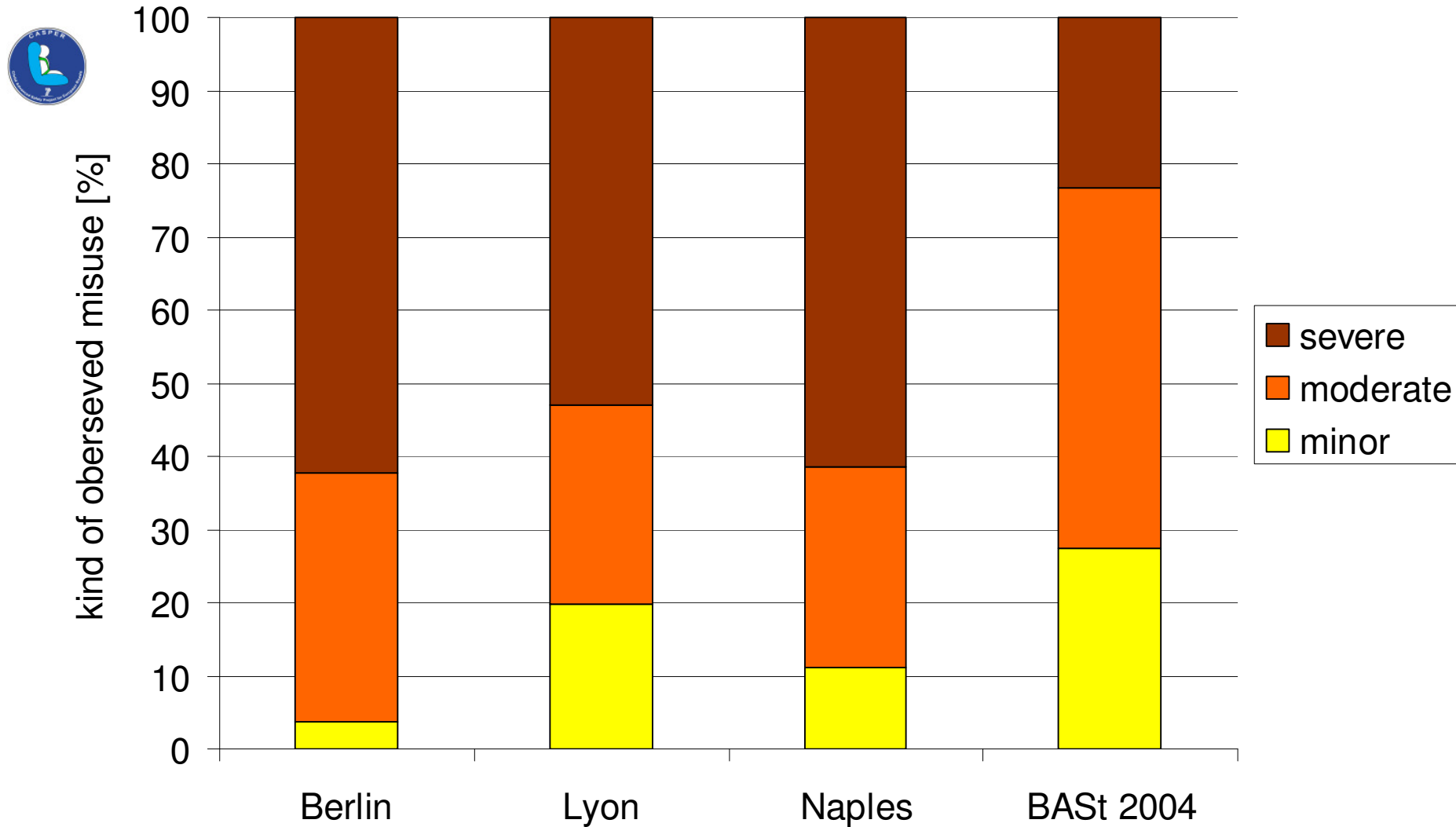
4. Overall misuse severity



4. Overall comparison



4. Overall comparison



5. Common assessment misuse severity



Practical misuse severity assessment

- Achieve common understanding of boarder between correct use and misuse
- Achieve common understanding of misuse severity



Questions?

Dr. Heiko Johannsen
Verein für Fahrzeugsicherheit Berlin e.V.
Johannsen@Fahrzeugsicherheit-Berlin.de

www.childincarsafety.eu