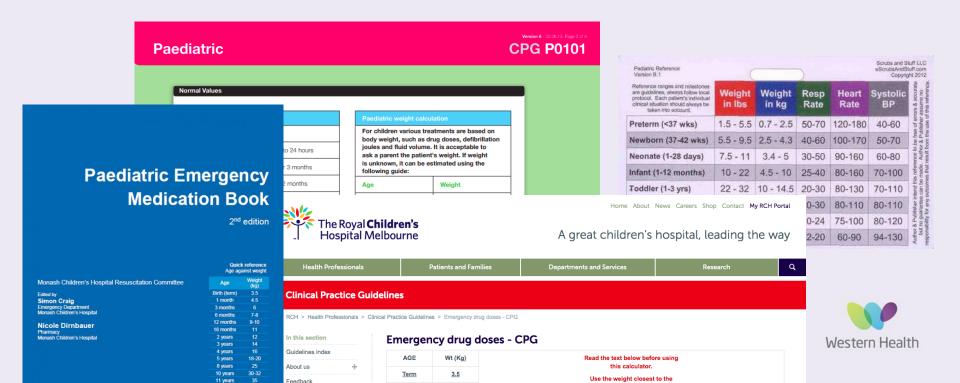


### Parental estimation of children's weight

Estimating children's weights in emergency departments
Mieke Foster, Andrew Tagg, Sharon Klim and Anne-Maree Kelly



# weight = 2x(age+4)













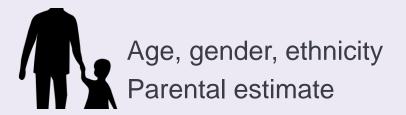


Parental weight estimation of their child's weight is more accurate than other weight estimation methods for determining children's weight in an emergency department?

David Krieser, Kevin Nguyen, Debra Kerr, Damien Jolley, Megan Clooney, Anne-Maree Kelly

Emerg Med J 2007;24:756-759. doi: 10.1136/emj.2007.047993

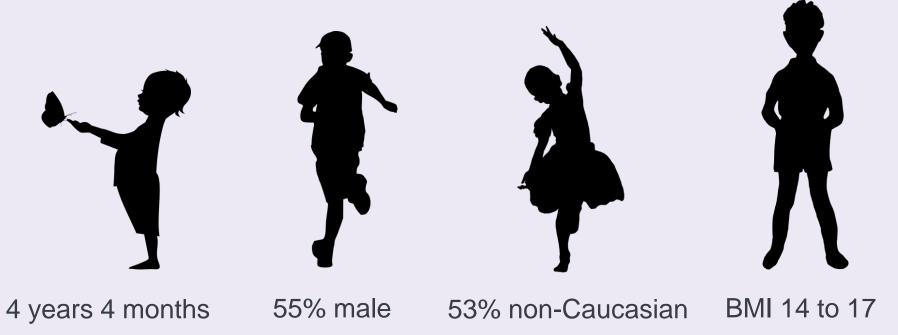
## Children aged 1 month to 11 years Australian Triage Score 3 – 5



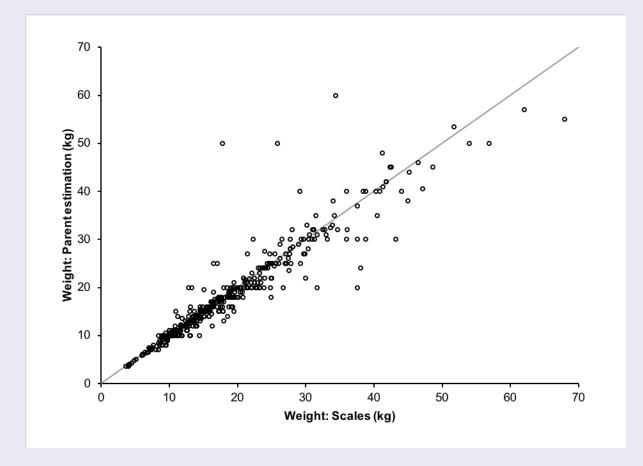




### 450 children





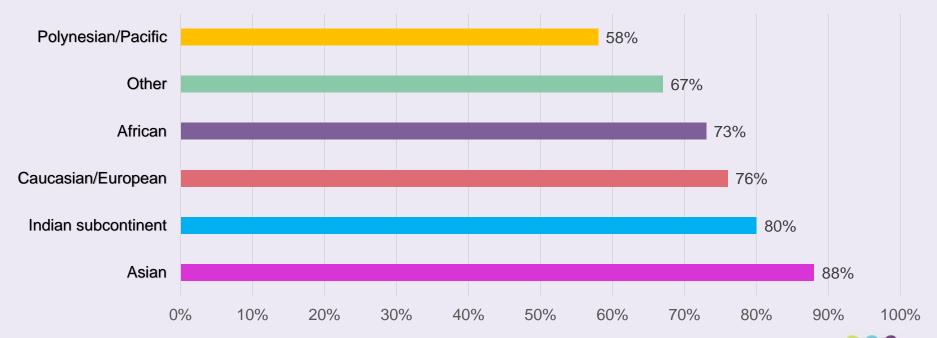


Scatter plot showing accuracy of parent weight estimate (kg) compared to measured weight (kg) (n=385).

85.6% of parents were willing to provide a weight estimate.



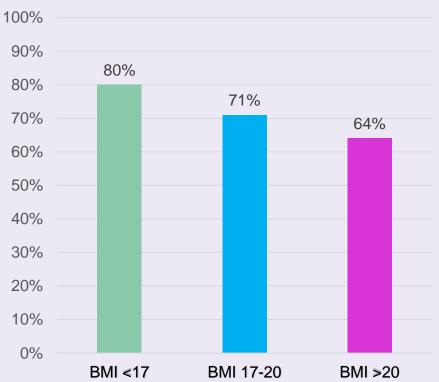
# % of parent estimates within 10% of actual weight by ethnicity (n=385)





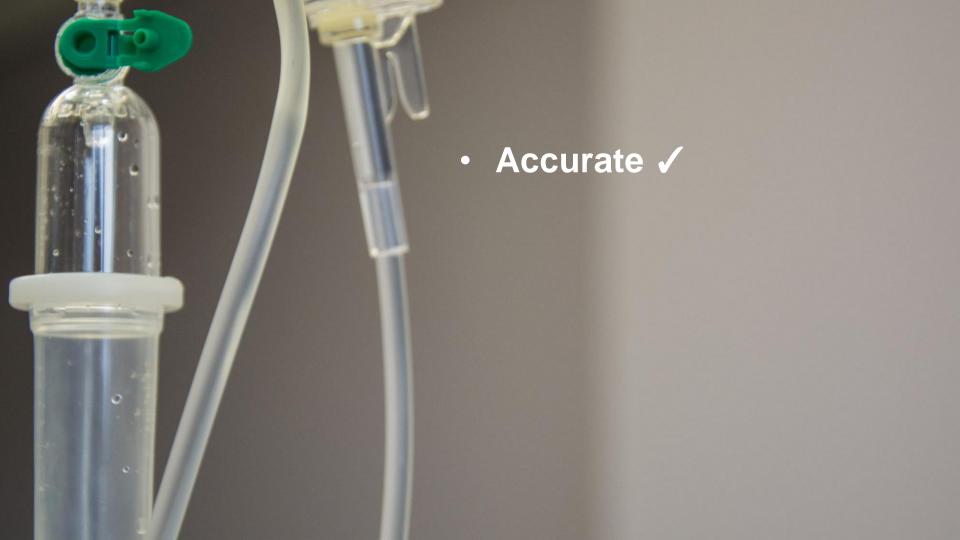
#### % of parent estimates within 10% of actual weight

### by BMI (n=258)











- Accurate
- Quick
- Allow advance preparation
- Reduce cognitive load











#### References

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- Wake M, Kerr JA, Jansen PW. Child BMI over time and parent-perceived overweight. Paediatrics. 2018;142(6):e20173985.
- Huang JS, Becerra K, Oda T, Walker E, Xu R, Donohue M, Chen I, Curbelo V, Breslow A. Parental ability to discriminate the weight status of children: results of a survey. Paediatrics. 2007;120(1):e112-9.

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