

Missing Data

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Reviewer comment

As the authors state, half the patients were excluded as a result of missing data. Did these patients differ from the patients who were included with regard to age, gender mechanism of injury, severity of TBI, etc?

What is missing data?

- ▶ First bullet point
- ▶ Common in all study types

Why is missing data problematic?

- ▶ Lower statistical power
- ▶ Loss of key subgroups
- ▶ Biased or inaccurate estimates
- ▶ Increased analysis complexity

What can be done about missing data?

- ▶ Avoid it
- ▶ Manage it appropriately
- ▶ Conduct sensitivity analyses

What are the different missing data mechanisms?

- ▶ Missing completely at random (MCAR)
- ▶ Missing at random (MAR)
- ▶ Missing not at random (MNAR)

What is MCAR?

What is MAR?

What is MNAR?