

# Negative mealtime interruptions in hospitals: findings of a series of observational studies

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**Background:** Malnutrition is an international problem in hospitalised patients. More than one-third of all admitted patients are likely to be malnourished and many more at risk of malnutrition. One of the contributing factors suggested to play a role in reduced nutritional intake during hospital admission are negative mealtime interruptions, defined as avoidable and unnecessary activities undertaken during mealtimes that detract from eating. This cross-sectional, observational study series explored mealtime practices under usual care.

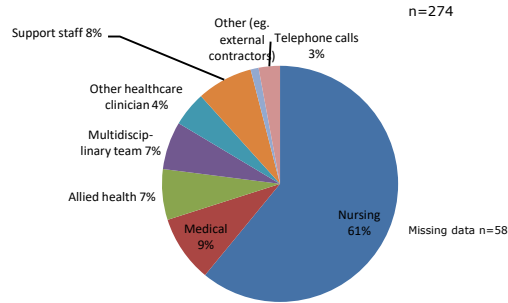


Hospital mealtime without negative interruptions

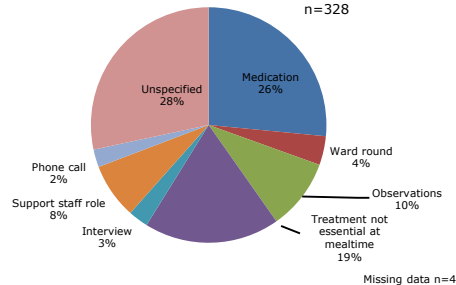
**Methods:** Mealtime interruptions at breakfast, lunch and dinner were observed by trained dietetic students across three observation periods in the specialties of general medicine, subacute and post-operative care from 2012-2014. Participants were adult patients receiving an oral diet who provided consent. Ethics approval was obtained.

## Results:

### Staff member negatively interrupting the meal



### Reason for negative meal interruption



In total, 668 mealtimes were observed: 220 in medical, 290 in subacute and 158 in post-operative care. The average±SD patient age was: 76.2±14.6 years in medical, 76.0±14.8 years in subacute and 58.8±18.2 years post-operative care. In total, 332 negative interruptions during mealtimes were observed: 127 in medical, 129 in subacute and 76 in post-operative care.

**Discussion:** The frequency and extent of interruptions during usual care was a key finding. Negative interruptions occurred during almost half of observed mealtimes and all members of the health care team interrupted patients' mealtimes. This may contribute to inadequate nutritional intake, although the extent of the interrelationship is unknown. This research has extended into a prospective study of protected mealtimes that occurred in October/November 2015.

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