conferenceseriescom

Computerized analysis of conversational trouble and repair in people with dementia and their carers
Helen Chenery Bond University, Australia
Communication abilities contributes to reduced qualities. For people living with dementia, the gradual decline of communication abilities contributes to reduced qualities.

Chartphones, the growth in third party so ware solutions (termed apps), big data analytics and other digital health echnologies promise to transform the treatment of a range of health conditions such as Alzheimer's disease and other dementias. For people living with dementia, the gradual decline of communication abilities contributes to reduced quality of life and increased social isolation. For their carers, communication di culties are listed as one of top stressors that contribute to their burden of care. Yet relatively little research has been published describing the application of digital technology to understanding and eventually even assisting the communication particularly the conversational, di culties in dementia. In this research, we analyzed transcripts of conversations from 20 people with dementia and their carers using an automate discourse analysis tool called DiscursisTM. Discursis measures the recurrence of conversational (semantic) content over the ticourse of the conversation. Discursis metrics were compared with coded instances of trouble and repair in the conversations is analysis allowed the identication of a list of specic Discursis metrics which signaled trouble and repair sequences in the conversations thereby generating a computerized script that highlighted periods of signi cant conversational breakdown

Notes: