Child Abuse and Neglect Prevention By Technology
Effects and Costs of a Computerised Decision Support System in Preventive Child Health Care

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1 out of 30 Dutch children experiences abuse and neglect

A Computerised Decision Support System (CDSS) may support professionals’ responding to child abuse and neglect

Research question
1. What are the effects of availability of a CDSS vs. no CDSS availability on the performance of guideline recommendations?
2. What are the costs of availability of a CDSS vs. no CDSS availability?

» In the latest child abuse or neglect case
» At a child health care organisation in the region of Twente

Method
» Online questionnaire
» Organisational perspective

Performance of guideline recommendations

Time spent on aids

115 min
153 min
Use of aids (CDSS and/or guidelines)
2 days
120 min
53 min
Application building, Implementation administration and support

Learning to use CDSS

Conclusion
» Groups do not differ significantly in adherence to guidelines (ceiling effect)
» CDSS saves time: intervention group spent less time on use of aids

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