

Digital Single Market

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Video: Smart bed linen for measuring bedwetting and position change of patients

The PASTA project develops technology for manufacturing large area smart textiles. These could be used for bed linen for hospitals to measure for example bedwetting and position change of patients to prevent pressure ulcers.

The discoveries made by the FP7 PASTA project can be applied in many kinds of textile (think of curtains with a smoke alarm). One of them is bed linen for a more comfortable and safer living.

The bed linen demonstrator has integrated electronic parts to control and measure humidity through for example bedwetting and changes in the pattern who and how long a person lays in a specific position. This could prevent pressure ulcers.

Pressure ulcers most commonly develop in persons who are not moving about. Although often prevented and treatable if detected early, pressure ulcers can be very difficult to treat in critically ill patients and frail elders.

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