



Impact Case Study

The Role of Assistive Technology in Enhancing Independence and Reducing Costs



Subject

Mr Ian B

Age



Location

South East, UK

Assistive Technology Used

**Circadian Smart Light bulb
System**

Background

Ian currently lives at home with his wife who is his Main Carer who receives a direct payment to employ a PA to provide her with some respite time and accompany Ian in certain circumstances.

Ian has a diagnosis of dementia and displays heightened behaviours including some aggression at the end of the day.

This has impacted upon his wife's caring role and put a strain on her ability to provide care and is having a detrimental effect on their day to day lives.

Intervention

Following a Respite discussion at Panel the Circadian Lightbulb was agreed and installed in February with a view that the circadian light rhythm would help to settle Ian's sundowning activities.

At this time behaviours between 5pm and 9pm were increasing and becoming very difficult for his wife to manage.

By the middle of March these behaviours had massively reduced and Ian was much calmer during these times

1. Health Outcomes

- No Carer Breakdown
- Hospital Admissions: - No hospital admissions

2. Quality of Life

- Independence: As Ian's behaviour's steadied and improved his wife's quality of of life has also improved allowing her to feel more relaxed
- Mental Health: [REDACTED] feels more relaxed and this enables her to manage Ian's behaviours more easily.
- Daily Routine: Enhanced ability to maintain a regular daily routine and Ian is now sleeping through the night further helping his wife with her role as main carer.

3. Economic Impact

- Medway:
 - Pre-intervention: With potential carer breakdown Ian would need a residential dementia care bed at £35.5k
- Cost of Assistive Technology:
 - Smart LightBulb System: £500
- Net Savings: £35.5k - (£500.00) = £35k savings per year

4. Social Impact

Ian and his wife can continue to live independently within their home and Mr B can still attend community activities with support

The implementation of the Circadian System has shown substantial benefits for Ian, both in terms of health and social outcomes and economic savings. The data from the Bulb reflects Ian's wife's assertion that night and evening behaviours are now settling and continues to improve.

Quality of Life

Ian and his wife can continue to live independently at home and she is now confident that she can continue in her role as main carer

The intervention of the Circadian system has had a positive affect upon both Ian and his wife's lives.

He is now more settled and consequently his wife is able to continue in her role as main carer.





For more information

For more information on the Circadacare System and how it can benefit you or your loved ones, please contact Kyndi at [contact number] or

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