

Blackwood Homes and Care

Three Data Challenges
15, 16 and 17

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1.7 million older people in UK
use a telecare service



Smart Meter Independent Living



**The Scottish
Government**
Riaghaltas na h-Alba

Age 75+
Telecare

Blackwood Challenge 15

Community Alarm Usage



Challenges to understand Alarm Use

Is there any patterns or frequency of use of alarms and/or correlations between any of the following factors?

1. Age
2. Disability
3. Geographical Location
4. Time of day
5. Location and type of accommodation – own home, Blackwood tenancy, care home
6. Actions following an alarm false alarm, video call only, physical visit required,

Is there any correlation in any of the above mentioned variables, that predict what will be the outcome of a call.

7. Were there any difference in alarm use prior to and during lockdown

Blackwood Challenge 2

Patterns of electrical appliance use?



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Challenges to understand electrical appliances use

Is there any regularity in the use of the appliances. So our questions include

1. Do people use their kettles or microwaves or TV's at set times/time periods in the day?
2. Do they use any particular appliance at the same time as using other devices?
3. Are there any patterns in the usage of different pieces of equipment
4. Is there any similarity in usage patterns between people. ?
5. If yes to 4 , do they have any common characteristics – age, disability

Blackwood Challenge 3

Online Entertainment Games, music and information for older people accessing



2 years ago

10

Months

92

Users

121634

Clicks

Now ~400 users



Nudging

Many challenges to understand Activity Use

1. Frequency

- a. Most popular activities
- b. Activities whose usage declines over time
- c. Usage prior to lockdown and during lockdown
- d. New lockdown users do they use it in the same way as any new user?
- e. Time of year

2. Correlations

- a. Between activities, i.e. games with music, types of games
- b. Activities and personal characteristics age, gender, disability
- c. Location and type of accommodation – own home, Blackwood tenancy, care home
- d. Time of introduction to CleverCogs
- e. Correlation in the activities used between prior to and during lockdown
- f. Correlation between Clevercogs and non clevercogs from Wifi data – online shopping, netflix