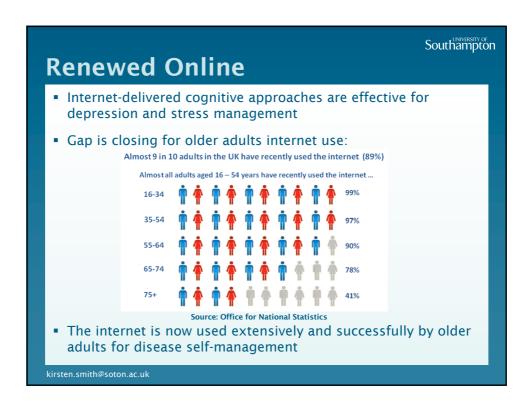
# Iterative development and modification of a digital physical activity and a diet intervention for older cancer survivors

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Southampton

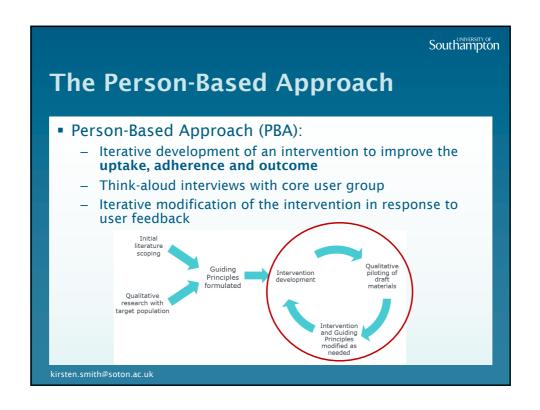
## **Cancer Survivorship**

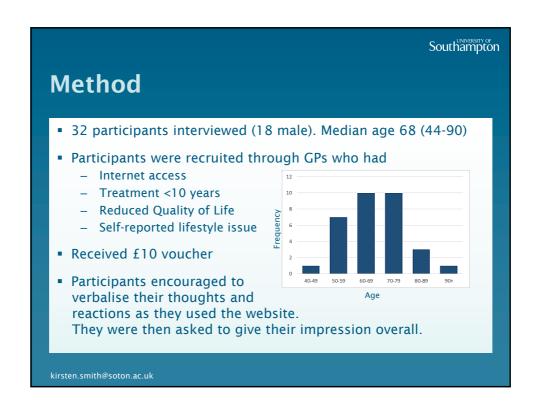
- UK estimates from 2008 suggest that more than 2 million people are living with or after cancer
- This is rising due to an ageing population and improved survival
- In the UK, the quality of life is poor in cancer survivors equivalent to major chronic diseases - particularly for psychological distress, and fatigue
- Evidence suggests that addressing diet, exercise, and psychological wellbeing is likely to improve quality of life in several cancers, and may limit relapse.



### **Renewed Online**

- Developed to support cancer survivors within 10 years of completion of treatment of Prostate, Breast and Colorectal cancers.
- Helps instigate healthy lifestyle changes
- Tailored to quality of life and health measures
- Contains 5 modules: Getting Active, Eat for Health, Healthy Paths, Healthy Mind App, POWeR (weight loss)





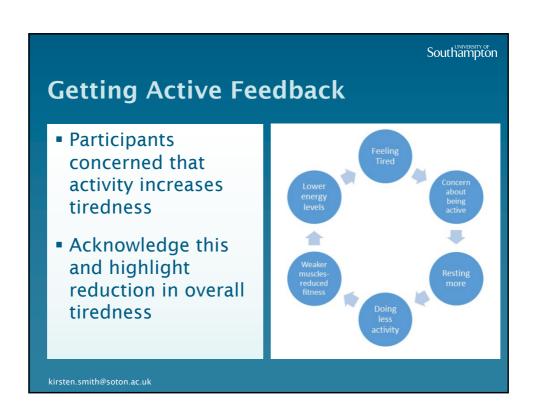




Getting Active Feedback

- Concerns page was not representative.
- Iteratively refined concerns to reflect participants' experience

I'm concerned about pain
I'm often too fired to be active
I don't think I can benefit because I can't do much activity
I don't have fime or money for being more active



### **Getting Active Feedback**

- Participants worried about 'overdoing it'
- Acknowledge this and emphasize starting small and slowly increasing activity

### How do I make sure I don't overdo it?

The key is to do a little activity every day so that you build up your strength. Avoid extremes of activity - start small and slowly increase your activity levels.

As you get fitter, you can do more.

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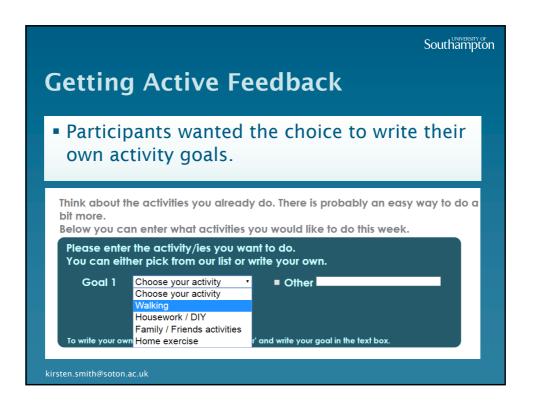
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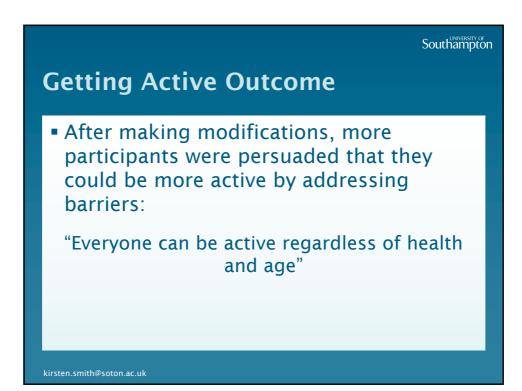
# **Getting Active Feedback**

 Activity Ideas page was refined to suit participants e.g. 'Family' changed to 'Family and Friends'



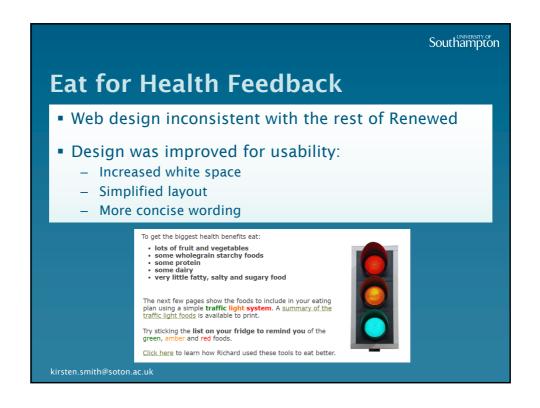
Southampton **Getting Active Feedback** Information on local activity groups was Local activity options requested Macmillan Activities near you NHS-Change 4 Life Links to find groups <u>Find activities near to your home</u> in the area added Walking for health Find a local health walk scheme **UK Men's Shed Association** Find local sheds







# Quiz about benefits of a Healthy diet althy eating plan! Concerns by Page Healthy Eating Guide Healthy Eating Guide Weekly goal-setting hat can be healthy eating and can be reduced by the print of the lifty males. There are healthy eating to make changes this can be helpful if you are finding it receiped. The print of the lifty males in the area of the whole can make changes this can be helpful if you are finding it receiped. Links to yother assources about Eaf or the lift eating plan. The resources of other websites, which offer guidance of the lift of the l



Eat for Health Feedback

• Many concerns of how to overcome barriers to healthy eating e.g. getting family involved, reducing meat, cost

• New Concerns page addresses these issues

How do I know this eating plan is right for me?

Will I have any problems with this eating plan?

What If my family don't want to eat healthily?

Will I have enough energy if I eat less meat?

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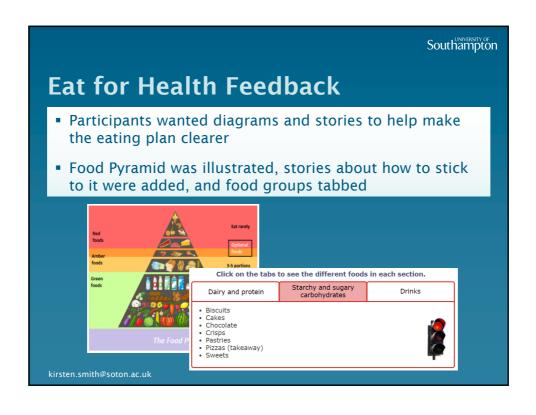
### **Eat for Health Feedback**

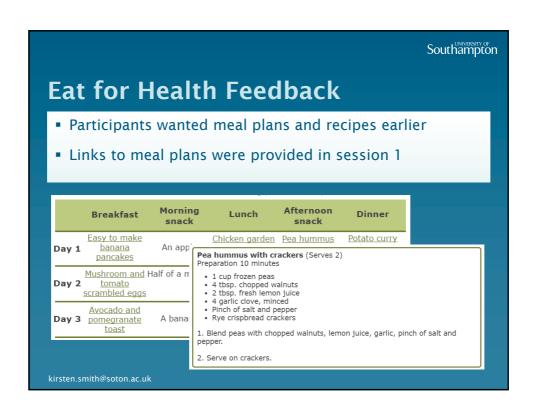
- Participants wanted explanations and evidence to back up our recommendations
- 'Did you know?' sections added with more explanation

Some people think that they need to eat meat because it contains protein and iron. But **you can get all the protein and iron your body needs from other foods**, such as nuts, eggs, soya, fruit and vegetables.

Research shows that cutting down on meat is good for your health. Large amounts of red meat and processed meat are the least healthy, so cutting down on these can help to protect your health.







### **Eat for Health Feedback**

- Participants were concerned about the trustworthiness of our advice (due to conflicting/outdated advice from the media)
- Addressed this in the introduction. Aligned advice with government recommendations as a minimum (e.g. more than 5 fruit and veg, minimal meat and alcohol)

Eat for health is made for people who have experienced cancer. It may be different to other eating plans you've read about online or seen on TV. That's because it's based on the most up to date research about the best foods for your health.

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### **Eat for Health Outcome**

- Participants generally more positive after modifications
- Website more relatable and diet changes achievable
- Print-out meal plans, food pyramid and recipes popular

## **Conclusions**

- Person-based approach revealed barriers to behaviour change for older adults
- Qualitative feedback revealed where problems were and suggested modifications
- Iterative modifications improved acceptability

More on PBA: https://www.lifeguideonline.org/pba