



“CACTUS”





# Computer speech therapy for aphasia





- Investigation





- Investigation

into

- Computer therapy





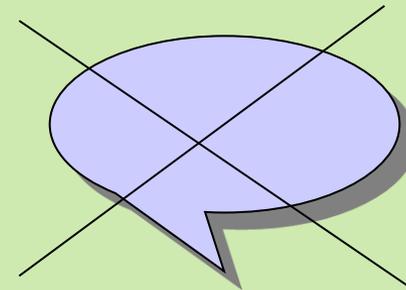
- Investigation

into

- Computer therapy

for

- People with aphasia





# Title



# Title

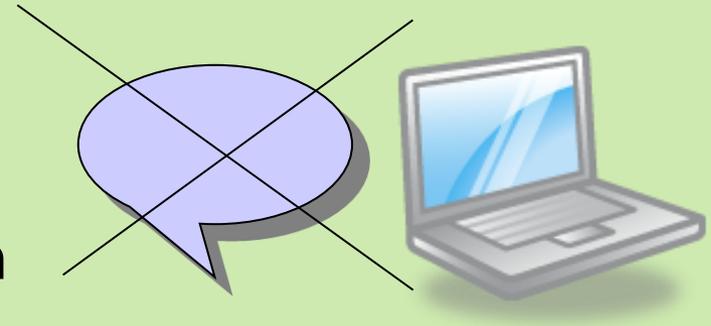
- **C**ost effectiveness (value for money)





# Title

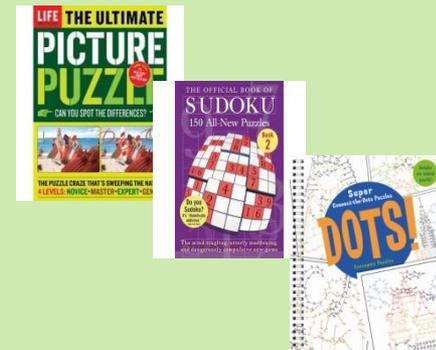
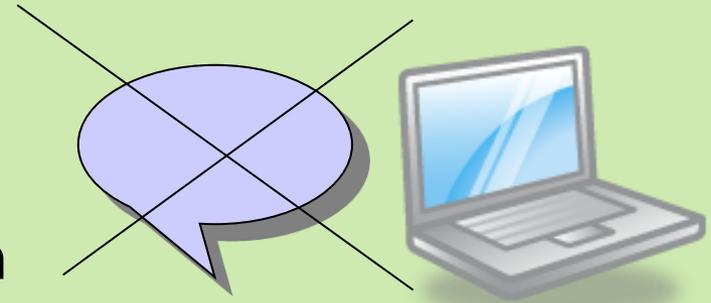
- **C**ost effectiveness (value for money)
- of **A**phasia **C**omputer **T**herapy compared with **U**sual stimulation





# Title

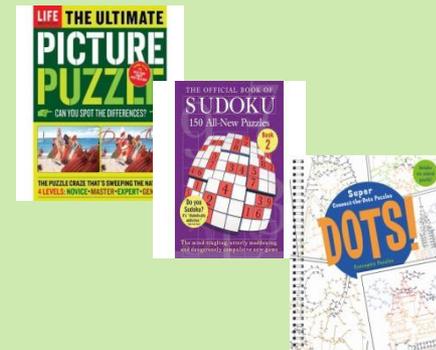
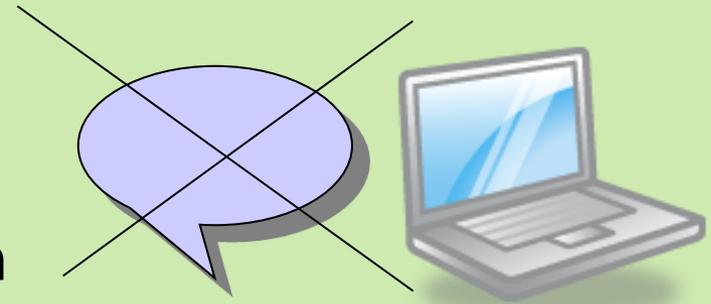
- **C**ost effectiveness (value for money)
- of **A**phasia **C**omputer **T**herapy compared with **U**sual stimulation
- or attention control (puzzles)





# Title

- **C**ost effectiveness (value for money)
- of **A**phasia **C**omputer **T**herapy compared with **U**sual stimulation
- or attention control (puzzles)
- long term post **S**troke





# Invitation



# Invitation

- **You** are being invited to take part in a **research study**



# Invitation

- **You** are being invited to take part in a **research study**
- to evaluate the use of a **computer** program





# Invitation

- **You** are being invited to take part in a **research study**
- to evaluate the use of a **computer** program
- to help you **find your words** more easily.





- Please **take time to read** the following **information**.



- Please **take time to read** the following **information**.
- Discuss it with friends, relatives and your speech and language therapist if you wish.



- Please **take time to read** the following **information**.
- Discuss it with friends, relatives and your speech and language therapist if you wish.
- **Ask** us if there is anything that is **not clear**





- Please **take time to read** the following **information**.
- Discuss it with friends, relatives and your speech and language therapist if you wish.
- **Ask** us if there is anything that is **not clear**
- or if you would like **more information**. ++





- Please **take time** to **read** the following **information**.
- Discuss it with friends, relatives and your speech and language therapist if you wish.
- **Ask** us if there is anything that is **not clear**
- or if you would like **more information**. ++
- Take **time** to decide if you wish to take part





# What is the study about?



# What is the study about?

- People with **aphasia** rarely have **speech and language therapy** for **more than a few months**





# What is the study about?

- People with **aphasia** rarely have **speech and language therapy** for **more than a few months**
- They may receive continued **support** from **stroke groups** and **carers/relatives**.





We want to know: 



# We want to know:



1) if people who have had **aphasia** for **more than 4 months**

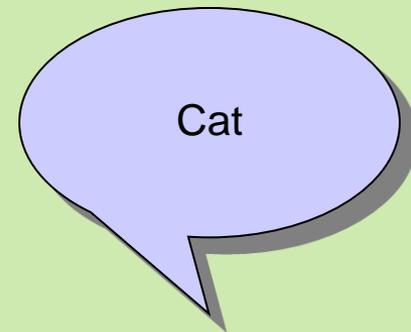


# We want to know:



1) if people who have had **aphasia** for **more than 4 months**

can get **better** at finding the **correct words**





# We want to know:

1) if people who have had **aphasia** for **more than 4 months**

can get **better** at finding the **correct words**

by using **computer exercises**





2) if offering **computer therapy**  
is good **value for money**



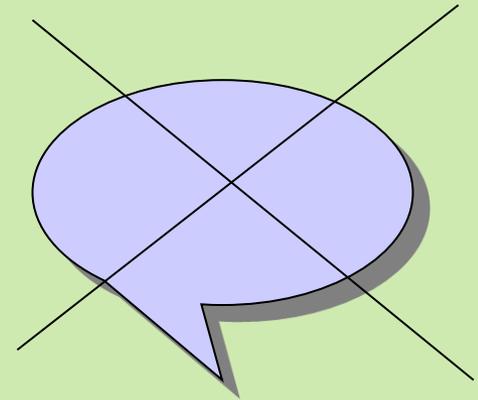


# Why have I been chosen?



# Why have I been chosen?

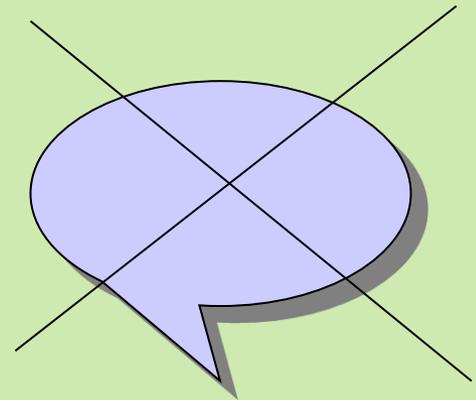
- **You have aphasia** from your stroke





# Why have I been chosen?

- **You** have **aphasia** from your stroke
- and find it **difficult to find the words** you wish to say.





# Do I have to take part?



# Do I have to take part?

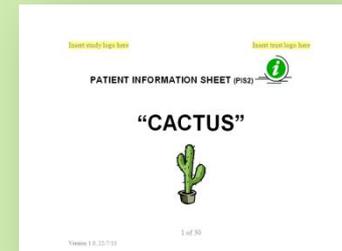
- No. It is **up to you** to decide whether or not to take part.





# Do I have to take part?

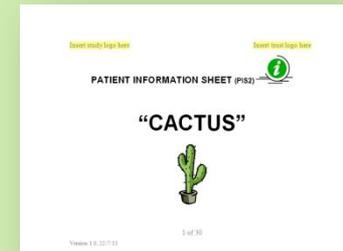
- No. It is **up to you** to decide whether or not to take part.
- If you do decide to take part you will be given this **information sheet**.





# Do I have to take part?

- No. It is **up to you** to decide whether or not to take part.
- If you do decide to take part you will be given this **information sheet**.
- You will be asked to **sign a consent form**.





- If you decide to take part you are still free to **withdraw** at any time.





- If you decide to take part you are still free to **withdraw** at any time.
- You **do not** need to give a **reason**.





- If you decide to take part you are still free to **withdraw** at any time.
- You **do not** need to give a **reason**.
- Not taking part, or withdrawing from the project **will not** affect your **rights** to any **health, or voluntary services**.





- The consent form asks you if you want to be contact about future research





- The consent form asks you if you want to be contact about future research
- It is **up to you** to decide.





- The consent form asks you if you want to be contact about future research



- It is **up to you** to decide.



- You **can still take part** in **this study**.



# What will happen to me if I take part?



# What will happen to me if I take part?

- A **research therapist** will **visit** you at **home**.





# What will happen to me if I take part?

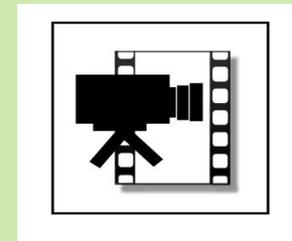
- A **research therapist** will **visit** you at **home**.
- The therapist will carry out **assessments** of your **language**.





# What will happen to me if I take part?

- A **research therapist** will **visit** you at **home**.
- The therapist will carry out **assessments** of your **language**.
- A short **video** of you having a conversation





- The therapist will help you to think of **words** that you would like to be able to **say**

I	like	the
little	a	can
see	red	blue
do	my	you
all	and	we
big	look	yellow
green	down	are
on	not	one
two	three	four
five	here	is
come	play	brown
it	jump	run
said	what	black
in	funny	me
orange	at	away
go	to	will



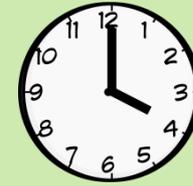
- The therapist will help you to think of **words** that you would like to be able to **say**
  
- The therapist will also check that you are able to **see pictures** on a **computer** screen.

I	like	the
little	a	can
see	red	blue
do	my	you
all	and	we
big	look	yellow
green	down	are
on	not	one
two	three	four
five	here	is
come	play	brown
it	jump	run
said	what	black
in	funny	me
orange	at	away
go	to	will





- These tests may take **up to two hours**.





- These tests may take **up to two hours**.



- The therapist may visit you **twice** to complete the tests.

1 hour + 1 hour





- A **computer system** will randomly allocate you to **either**:



- A **computer system** will randomly allocate you to **either**:
- using the **computer therapy** exercises



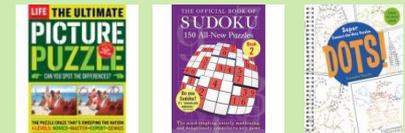


- A **computer system** will randomly allocate you to **either**:

- using the **computer therapy** exercises

or

- Carrying out daily **puzzle book** activities





- A **computer system** will randomly allocate you to **either**:

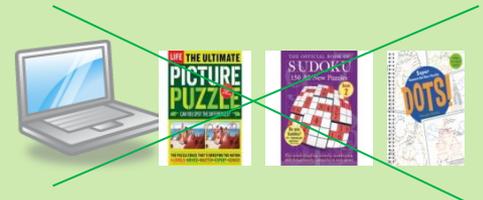
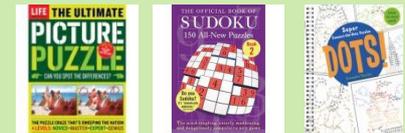
- using the **computer therapy** exercises

or

- Carrying out daily **puzzle book** activities

or

- continuing with your **usual activities** only





- A **computer system** will randomly allocate you to **either:**

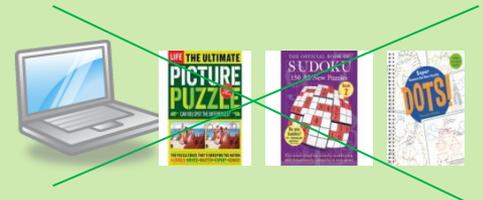
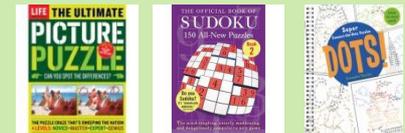
- using the **computer therapy** exercises

or

- Carrying out daily **puzzle book** activities

or

- continuing with your **usual activities** only



- You have an **equal chance** of being allocated to any of the groups





- If you are asked to use the **computer** program you will be offered a **volunteer or speech and language therapy assistant** to help you.





- The research therapist will put **StepByStep** software on your **computer**





- The research therapist will put **StepByStep** software on your **computer**



- Or provide you with a **computer** if you haven't got one



- The research therapist will put **StepByStep** software on your **computer**



- Or provide you with a **computer** if you haven't got one

- and make sure the **exercises suit you.**





- You will be asked to use the **computer**





- You will be asked to use the **computer**
- **20-30 minutes** each day





- You will be asked to use the **computer**
- **20-30 minutes** each day
- over **6 months**.



6



- You will be asked **record**





- You will be asked **record**
- anything that is **difficult** or **distressing** about the treatment



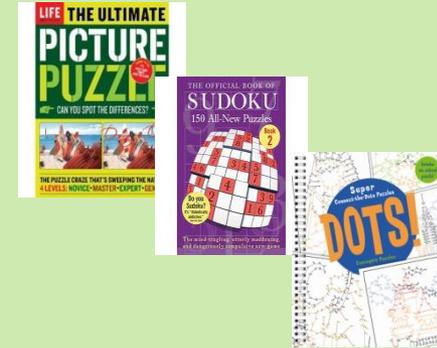


- You will be asked **record**
- anything that is **difficult** or **distressing** about the treatment
- You should continue to do any other activity or therapy that you usually do.



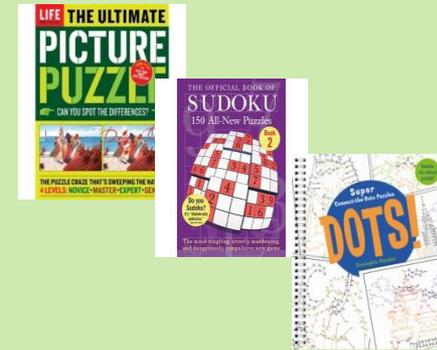


- If you are asked to complete **puzzle book** activities,





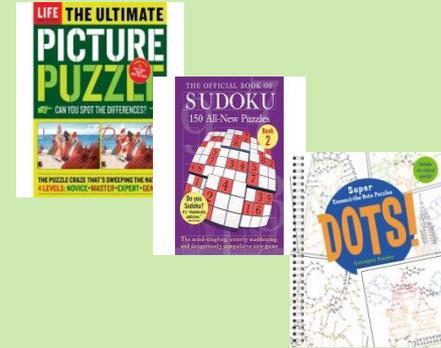
- If you are asked to complete **puzzle book** activities,



- the **therapist** will give you a **book of puzzles** that are not too hard and not too easy for you.



- If you are asked to complete **puzzle book** activities,



- the **therapist** will give you a **book of puzzles** that are not too hard and not too easy for you.

- You will be asked to complete **one puzzle each day**.



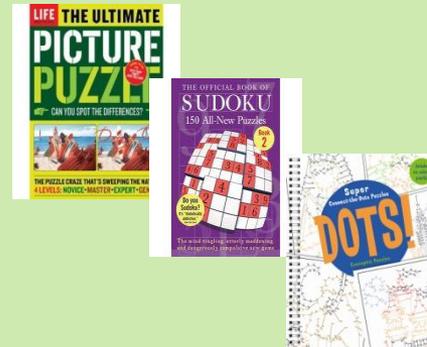


- A member of the **research team** will **telephone** you **each month** to see if you are ready for a **new book**





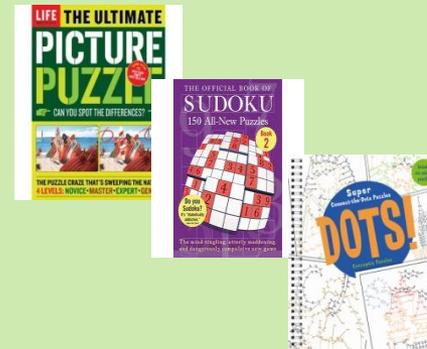
- A member of the **research team** will **telephone** you **each month** to see if you are ready for a **new book**



- They will ask you **what sort of puzzle book** you would like next.

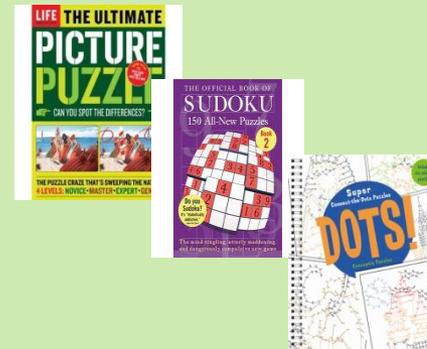


- If you finish the puzzle book **early**,  
**you** can **telephone** the research team to  
ask for a **new one**.





- If you finish the puzzle book **early**, you can **telephone** the research team to ask for a **new one**.



- You should continue to do any other activity or therapy that you usually do.



- **Whichever group you are in the researcher will visit you again 3 times**

----- **6 months - 9 months - 12 months** ----->





- **Whichever group** you are in the **researcher will visit** you again **3 times**
- to repeat **language assessments**



----- **6 months - 9 months - 12 months** ----->





- **Whichever group** you are in the **researcher will visit** you again **3 times**
- to repeat **language assessments**
- to see if your **word finding** has **improved**.



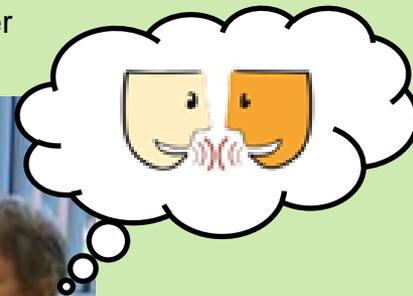


- If a **friend** or **family member** is there when the researcher visits we will **ask** them what they think about **your communication**.

Researcher

Participant

Carer



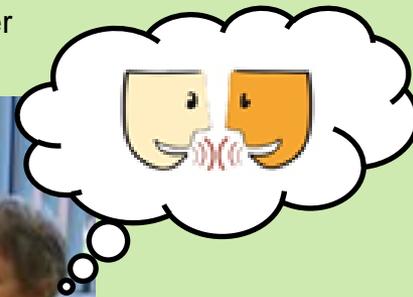


- If a **friend** or **family member** is there when the researcher visits we will **ask** them what they think about **your communication**.

Researcher

Participant

Carer



- We will also ask them about being a carer.



# What is the computer program being tested?



# What is the computer program being tested?

- The **computer program** you will use is called **StepByStep**.





# What is the computer program being tested?

- The **computer program** you will use is called **StepByStep**.
- It is a program specifically designed to **help people with aphasia**





# What is the computer program being tested?

- The **computer program** you will use is called **StepByStep**.
- It is a program specifically designed to **help people with aphasia**
- improve their **word finding** ability.





# What is the computer program being tested?

- The **computer program** you will use is called **StepByStep**.
- It is a program specifically designed to **help people with aphasia**
- improve their **word finding** ability.
- It is now being **used** by some **speech and language therapists**.





# What are the side effects of taking part?





# What are the side effects of taking part?

- We do not expect any side effects from taking part.





# What are the side effects of taking part?

- We do not expect any side effects from taking part.
- If the **computer** program does not **suit your needs**





# What are the side effects of taking part?

- We do not expect any side effects from taking part.
- If the **computer** program does not **suit your needs**
- or **does not act as expected,**





# What are the side effects of taking part?

- We do not expect any side effects from taking part.
- If the **computer** program does not suit your needs
- or does not act as expected,
- it may cause **frustration**.





# What are the side effects of taking part?

- We **do not expect** any **side effects** from taking part.
- If the **computer** program **does not suit your needs**
- or **does not act as expected,**
- it may cause **frustration.**
- If this happens you may **decide to stop** using the computer.



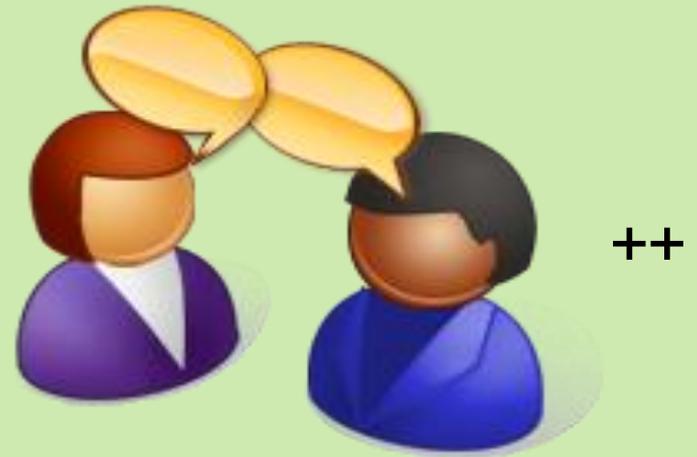


# What are the possible benefits of taking part?



# What are the possible benefits of taking part?

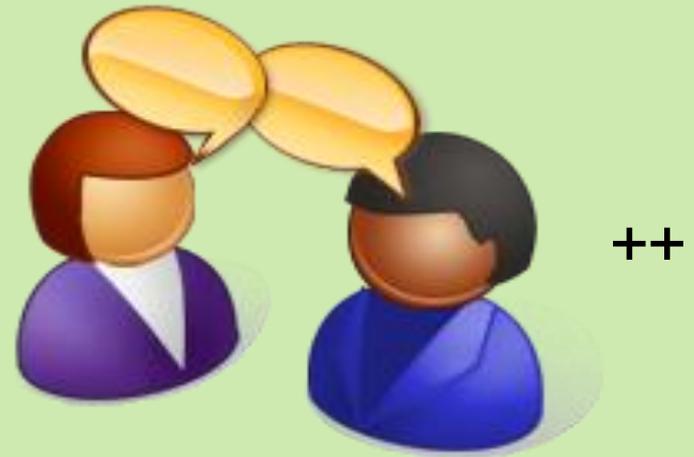
- Taking part will give you the opportunity to have more **language practice**





# What are the possible benefits of taking part?

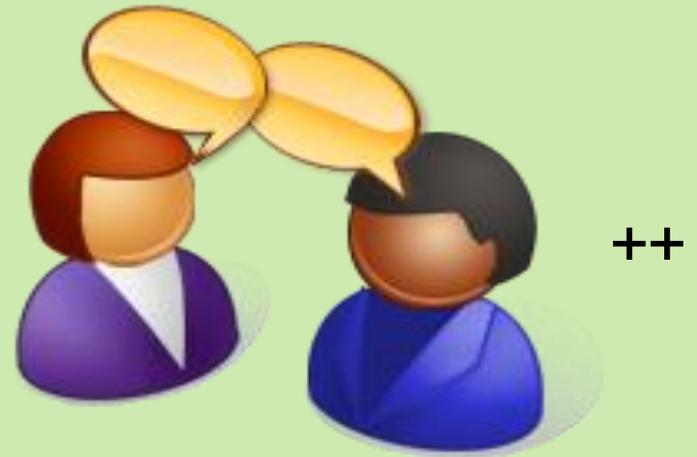
- Taking part will give you the opportunity to have more **language practice**
- The computer tells you how well you are doing.





# What are the possible benefits of taking part?

- Taking part will give you the opportunity to have more **language practice**
- The computer tells you how well you are doing.
- This may help you to **find your words** easier.





# What happens when the research study stops?



# What happens when the research study stops?



- If you **did not** get to use the **computer** during the study and **wish to**,



# What happens when the research study stops?



- If you **did not** get to use the **computer** during the study and **wish to**,
- Your speech and language therapist will **lend** you a **computer** and the **software**



# What happens when the research study stops?



- If you **did not** get to use the **computer** during the study and **wish to**,
- Your speech and language therapist will **lend** you a **computer** and the **software**
- so you can **have a go** at word finding therapy with the computer.



- If you **did** use the **computer** and you **wish to continue**,



- If you **did** use the **computer** and you **wish to continue**,
- you may **keep** the **software** to put on your own computer.



- If you **did** use the **computer** and you **wish to continue**,
- you may **keep** the **software** to put on your own computer.
- If you do not have your own computer



- If you **did** use the **computer** and you **wish to continue**,
- you may **keep** the **software** to put on your own computer.
- If you do not have your own computer
- Your speech and language therapist will **help** you by **lending you a lap top**



- If you **did** use the **computer** and you **wish to continue**,
- you may **keep** the **software** to put on your own computer.
- If you do not have your own computer
- Your speech and language therapist will **help** you by **lending you a lap top**
- or helping you to get **funding** to buy one.



- If you wish to **complain** about how you have been approached or treated in this study, you can use the National Health Service complaints mechanisms.



- If you wish to **complain** about how you have been approached or treated in this study, you can use the National Health Service complaints mechanisms.
- This will **not affect the services** you receive in any way.



- If you wish to **complain** about how you have been approached or treated in this study, you can use the National Health Service complaints mechanisms.
- This will **not affect the services** you receive in any way.
- If you have any complaints or concerns, please contact the study manager, [Name], [Tel].



- If you wish to **complain** about how you have been approached or treated in this study, you can use the National Health Service complaints mechanisms.
- This will **not affect the services** you receive in any way.
- If you have any complaints or concerns, please contact the study manager, [Name], [Tel].
- OR
- You can use **Sheffield University complaints procedure** and contact:
- *[Name]* 'Registrar and Secretary' of the University of Sheffield, by post (Office of the Registrar and Secretary, Firth Court, Western Bank, Sheffield, S10 2TN)



# Will my taking part in this study be kept confidential?



# Will my taking part in this study be kept confidential?

- The **information** which is collected about you during the course of the research will be **confidential**.



# Will my taking part in this study be kept confidential?

- The **information** which is collected about you during the course of the research will be **confidential**.
- Results **will not** have your name on.  
**e.g. Joe Bloggs --> M68A**



# Will my taking part in this study be kept confidential?

- The **information** which is collected about you during the course of the research will be **confidential**.

- Results **will not** have your name on.

**e.g. Joe Bloggs --> M68A**

- Only **authorised** people will be **allowed** to see your **information**.





# What will happen to the results of the research study?



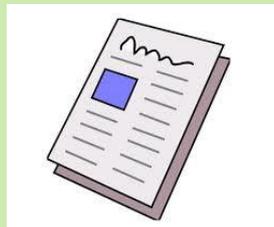
# What will happen to the results of the research study?

- The **results** of this research study will be **published** in scientific journals after the end of the study



# What will happen to the results of the research study?

- The **results** of this research study will be **published** in scientific journals after the end of the study
- and to **stroke survivors** and **professionals**.





# Who is organising and funding the research?



# Who is organising and funding the research?

- The research is organised by the **University of Sheffield** and funded by the **Department of Health** (National Institute for Health Research Health Technology Assessment programme).



# Who is organising and funding the research?

- The research is organised by the **University of Sheffield** and funded by the **Department of Health** (National Institute for Health Research Health Technology Assessment programme).
- The **sponsors** of this study will **pay** (name of hospital department or research fund) for including you in this study.



# Who has reviewed the study?



# Who has reviewed the study?

- All research in the NHS is looked at by independent group of people, called a **Research Ethics Committee.**

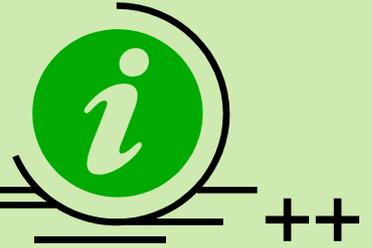


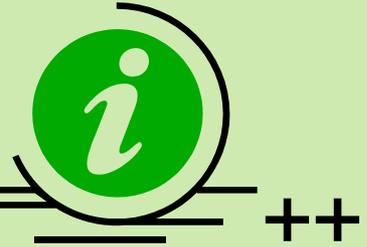
# Who has reviewed the study?

- All research in the NHS is looked at by independent group of people, called a **Research Ethics Committee**.
- This study has been reviewed and given favorable opinion by \_\_\_\_\_  
Research Ethics Committee.



**Contact for further Information**

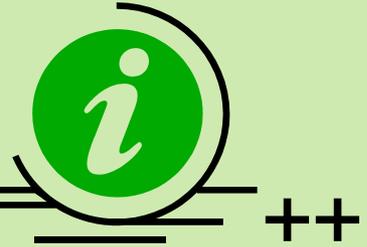




# Contact for further Information

- If you have any **questions** regarding this study, please contact the investigator:

**[Name]**



# Contact for further Information

- If you have any **questions** regarding this study, please contact the investigator:

**[Name]**



[Telephone number]



[e-mail address]



**Thank you** for reading this information.