

Development and mixed-methods evaluation of an online animation for young people about genome sequencing

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QUESTIONNAIRE 1

Some questions about you

1. Are you a:

Boy

Girl

2. How old are you?

Some questions about your understanding of genetics

3. How would you describe your understanding of genetics?

	None
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Some

Good

4. Have you heard of these words before?

DNA	Yes	No
Gene	Yes	No
Chromosome	Yes	No
Genome	Yes	No
Genome sequencing	Yes	No

5. Do you know what these words mean?

DNA	Yes	No
Gene	Yes	No
Chromosome	Yes	No
Genome	Yes	No
Genome sequencing	Yes	No

Read the following questions and for	each one answer	True, False of	r <mark>Don't</mark>
know			

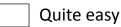
	True	False	Don't know
6. Our DNA is inside our cells			
Our DNA doesn't have an effect on how our body works			
8. Our complete set of DNA is called our genome			
9. Around 1% of our genome is the same as other people's			
10.Our genome is more similar to our close relatives, like our mum and dad, than it is with other people's			
11.Genome sequencing involves looking at all the DNA in a person's genome			
12. A 'glitch' in the genome (like a spelling mistake) can cause a health problem because the body isn't getting the right instructions			
13.Genome sequencing can be done on the DNA in a blood sample			
14. Doctors and scientists know all there is to know about what our genome does			
15. If someone with a health problem has genome sequencing, they will always find helpful information about the cause of the problem			

QUESTIONNAIRE 2

Some questions about the animation

1. Was the animation easy or hard to understand?

Very easy



	Quite	hard
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2. The amount of information in the animation was:

Too much
Too little

The right amount

hard

3. The length of the animation was:

Too	long
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_

oo short

The right amount

4. What did you think about the way the animation looked?

I liked it very mucl	h
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I quite liked it

I didn't like it

5. Did you learn anything new?

Yes

No

Not sure

6. Would you have found this animation helpful if you were making a decision about having genome sequencing?

Yes

No

Don't know

Some questions about your understanding

7. How would you describe your understanding of genetics?

None
Some

ne

Good

8. Have you heard of these words before?

DNA	Yes	No
Gene	Yes	No
Chromosome	Yes	No
Genome	Yes	No
Genome sequencing	Yes	No
9. Do you know what DNA	these wor Yes	rds mean? No
•		
DNA	Yes	No
DNA Gene	Yes Yes	No

Read the following questions and for each one answer True, False or Don't know

	True	False	Don't know
10. Our DNA is inside our cells			
 Our DNA doesn't have any effect on how our body works 			
12. Our complete set of DNA is called our genome			
13. Around 1% of our genome is the same as other people's			

	True	False	Don't know
14. Our genome is more similar to our close relatives, like our mum and dad, than it is with other people's			
15.Genome sequencing involves looking at all the DNA in a person's genome			
16. A 'glitch' in the genome (like a spelling mistake) can cause a health problem because the body isn't getting the right instructions			
17. Genome sequencing can be done on the DNA in a blood sample			
18. We know all there is to know about what our genome does			
19. If someone with a health problem has genome sequencing, they will always find helpful information about the cause of the problem			

Some questions about your attitude to genome sequencing

20. Imagine you had a health problem and your doctor suggested genome sequencing to understand more about the cause of your condition. Would you want to have genome sequencing?

Yes

No

Not sure

I would want more information before I made a decision

21. I feel I understand the benefits of genome sequencing

Agree

Disagree

Not sure

22. I feel I understand the limitations of genome sequencing (what it can't do)

,	
	Agree

Disagree

Not sure

23. I feel the decision to have / not have genome sequencing would be easy for me to make

Agree
Disagree

Not sure

Think about genome sequencing and answer the questions according to how you feel

24. Genome sequencing is:

A	bad	thing
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A good thing

Neither

25. Genome sequencing is:

Harmful

Helpful

Neither

26. Genome sequencing is:

Boring

	Interesting
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Neither

Finally, in your own words, let us know what you thought of the animation and if there is any other information you would have liked in it:

That is the end of the questionnaire. Thank you for taking part in this study!

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