

When cut in half, this worm grows a new head and a new tail.



# Regenerative Medicine Baseline Knowledge Survey of Families at 4 Rural Minnesota County Fairs, 2019

Please check the answer that best matches your understanding and opinions about a stem-cell based form of medical healing called Regenerative Medicine in which Minnesota is a global leader.

1. I have heard of stem cells.

*Check all that apply.*

- Yes  
 No

2. I know, generally, what stem cells do.

*Check all that apply.*

- Yes  
 No

3. I can see why stem cells are exciting to scientists and doctors.

*Check all that apply.*

- Agree  
 Disagree

4. I have heard of regenerative medicine.

*Check all that apply.*

- Yes  
 No

5. I know, generally, what regenerative medicine does.

*Check all that apply.*

Yes

No

6. I can see why regenerative medicine is exciting to scientists and doctors.

*Check all that apply.*

Agree

Disagree

7. Some animals can naturally regrow injured body parts, such as salamanders regenerating new tails.

*Check all that apply.*

Agree

Disagree

Not sure

8. Humans can naturally repair wounds and regrow parts of some organs.

*Check all that apply.*

Agree

Disagree

Not sure

9. Stem cells and regenerative medicine harnesses people's natural self-healing abilities.

*Check all that apply.*

- Agree  
 Disagree  
 Not sure

10. Stem cell biology is a hoax.

*Check all that apply.*

- Agree  
 Disagree  
 Not sure

11. Regenerative medicine therapies are a scam.

*Check all that apply.*

- Agree  
 Disagree  
 Not sure

12. Regenerative medicine is a promising therapeutic technology for Minnesotans.

*Check all that apply.*

- Agree  
 Disagree  
 Not sure

13. I want local schools to teach my kids sciences that support learning about regenerative medicine in grade, middle and high schools.

*Check all that apply.*

- Agree  
 Disagree

14. I have had a knee or hip replacement, or know someone who has.

*Check all that apply.*

- Yes  
 No

15. If stem cells could regenerate my damaged hip or knee cartilage so I could avoid surgery, I would consider choosing it.

*Check all that apply.*

- Agree  
 Disagree

16. If regenerative technologies become a new, 21st Century medical economy in Minnesota I would support it and consider it as a career for myself or children.

*Check all that apply.*

- Agree  
 Neutral  
 Disagree

17. I support efforts to develop a new, 21st Century medical economy for Minnesota based on regenerative medicine.

*Check all that apply.*

- Agree  
 Neutral  
 Disagree

Demographics

Gender, age, education, number in family/group, favorite fair attraction, additional comments

18. OBSERVED GENDER of GROUP LEADER (Parent or most talkative child in a group)

*Check all that apply.*

- Female  
 Male  
 Self-disclosed as unsure, transitioning or LGBTQ+

19. AGE of LEADER (Parent or most talkative child in a group)

*Check all that apply.*

- < 20 years  
 21-35 years  
 35-55 years  
 > 55 years

20. OBSERVED # IN GROUP

*Check all that apply.*

- 1
- 2
- 3
- 4
- 5
- 6

21. FAVORITE FAIR ATTRACTION

*Check all that apply.*

- Seeing animal & plant exhibits
- 4-H educational demonstrations
- Eating
- Drinking
- Horse Shows, Rodeos, Parades, Tractor Pulls, Demolition Derbies, Musicians, etc.

22. EDUCATION

*Check all that apply.*

- Attend/attended grade, middle or high school
- Attend/attended college or trade certification school
- Attend/attended graduate or professional school

23. ADDITIONAL INFORMATION, REACTIONS, COMMENTS, QUESTIONS

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THANK YOU!

# PLANARIA POP-UP LAB!

SEE LIVE WORMS NATURALLY HEAL THEMSELVES

When cut in half, this worm grows a new head and a new tail.



**HUMANS HAVE SOME SELF-HEALING ABILITIES. LET'S LEARN HOW TO DEVELOP MORE THROUGH REGENERATIVE MEDICINE MINNESOTA RESEARCH!**



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