Poster Session Prep



Poster sessions are ...

- An opportunity to share your work with others
- A place to network
- A venue to spark new ideas



How do poster sessions work?

As an attendee	As a presenter
move around the poster hall	stay near your poster so
to browse posters	that interested participants
	can find you
stop and talk with	
presenters	chat with your poster's
	neighbors



Planning your presentation

- What is your take-home message?
- How did you get there?
 - Background/Introduction
 - Problem/purpose
 - Methods
 - Results/Outcomes
 - Conclusions/Next steps
- Who was involved?



What makes for an effective poster?

- Well-organized
- Readable
- Visually appealing
- Facilitates networking





PIGS IN SPACE: EFFECT OF ZERO GRAVITY AND AD LIBITUM FEEDING ON WEIGHT GAIN IN CAVIA PORCELLUS

Colin B. Purrington 6673 College Avenue, Swarthmore, PA-19081 USA



SPACEEXES

ABSTRACT:

One ignored benefit of space travel is a potential elimination of obesity, a chronic problem for a growing majority in many parts of the world. In theory, when an individual is in a condition of zero gravity, weight is eliminated. Indeed, in space one could conceivably follow ad libitum feeding and never even gain an gram, and the only side effect would be the need to upgrade one's stretchy pants("exercise pants"). But because many diet schemes start as very good theories only to be found to be rather harmful, we tested our predictions with a longerm experiment in a colony of Guinea pigs (Cavia porcellus) maintained on the International Space Station. ndividuals were housed separately and given unlimited amounts of high-calorie food pellets. Fresh fruits and vegetables were not available in space so were not offered. Every 30 days, each Guinea pig was weighed. After 5 years, we found that individuals, on average. veighed nothing. In addition to weighing nothing, no veight appeared to be gained over the duration of the protocol. If space continues to be gravity-free, and we pelieve that assumption is sound, we believe that sending the overweight — and those at risk for overweight — to space would be a lasting cure.

INTRODUCTION:

The current obesity epidemic started in the early 1960s with the invention and proliferation of elastane and related stretchy fibers, which released wearers from the rigid constraints of clothes and permitted monthly weight gain without the need to buy new outfits. Indeed, exercise today for hundreds of million people involve only the act of wearing stretchy pants in public, presumably because the constrictive pressure forces fat molecules to adopt a more compact tertiary structure (Xavier 1965).

Luckily, at the same time that fabrics became stretchy, the race to the moon between the United States and Russia yielded a useful fact: gravity in outer space is minimal to nonexistent. When gravity is zero, objects cease to have weight. Indeed, early astronauts and cosmonauts had to secure themselves to their ships with seat belts and sticky boots. The potential application to weight loss was noted immediately, but at the time travel to space was prohibitively expensive and thus the issue was not seriously pursued. Now, however, multiple companies are developing cheap extra-orbital travel options for normal consumers, and potential travelers are also creating news ways to pay for products and services that they cannot actually afford. Together, these factors open the possibility that moving to space could cure overweight syndrome quickly and permanently for a large number of humans.

We studied this potential by following weight gain in Guinea pigs, known on Earth as fond of ad libitum feeding. Guinea pigs were long envisioned to be the "Guinea pigs" of space research, too, so they seemed like the obvious choice. Studies on humans are of course desirable, but we feel this current study will be critical in acquiring the attention of granting agencies.

MATERIALS AND METHODS

One hundred male and one hundred female Guinea pigs (<u>Cavia porcellus</u>) were transported to the International Space Laboratory in 2010. Each pig was housed separately and deprived of exercise wheels and fresh fruits and vegetables for 48 months. Each month, pigs were individually weighed by ductaping them to an electronic balance sensitive to 0.0001 grams. Back on Earth, an identical cohort was similarly maintained and weighed. Data was analyzed by statistics.

RESULTS:

Mean weight of pigs in space was 0.0000 +/- 0.0002 g. Some individuals weighed less than zero, some more, but these variations were due to reaction to the duct tape, we believe, which caused them to be alarmed push briefly against the force plate in the balance. Individuals on the Earth, the control cohort, gained about 240 g/month (p = 0.0002). Males and females gained a similar amount of weight on Earth (no main of effect of sex), and size at any point during the study was related to starting size (which was used as a covariate in the ANCOVA). Both Earth and space pigs developed substantial dewlaps (double chins) and were lethargic at the conclusion of the study.



CONCLUSIONS:

Our view that weight and weight gain would be zero in space was confirmed. Although we have not replicated this experiment on larger animals or primates, we are confident that our result would be mirrored in other model organisms. We are currently in the process of obtaining necessary human trial permissions, and should have our planned experiment initiated within 80 years, pending expedited review by local and Federal IRBs.

ACKNOWLEDGEMENTS:

I am grateful for generous support from the National Research Foundation, Black Hole Diet Plans, and the High Fructose Sugar Association. Transport flights were funded by SPACE-EXES, the consortium of wives divorced from insanely wealthy space-flight startups. I am also grateful for comments on early drafts by Mañana Athletic Club, Corpus Christi, USA. Finally, sincere thanks to the Cuy Foundation for generously donating animal care after the conclusion of the study.

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Xavier, M. 1965. Elastane Purchases Accelerate Weight Gain In Case-control Study. <u>Journal of Obesity</u>, 2:23-40.

Source:

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Experiences and Attitudes toward Evidence-Informed Policy-Making among Research and Policy Stakeholders in the Canadian Agri-Food Public Health Sector

I. Young^{1,2*}, K. Gropp¹, K. Pintar³, L. Waddell^{1,2}, B. Marshall³, K. Thomas³, S.A. McEwen² and A. Rajić^{2,4}

¹Public Health Risk Sciences Division, Laboratory for Foodborne Zoonoses, Public Health Agency of Canada, Guelph, Ontario, Canada

²Department of Population Medicine, University of Guelph, Guelph, Ontario, Canada

³Centre for Food-borne, Environmental and Zoonotic Infectious Diseases, Public Health Agency of Canada, Guelph and Ottawa, Ontario, Canada
⁴Nutrition and Consumer Protection Division, Food and Agriculture Organization of the United Nations, Rome, Italy

*Email: ian.young@phac-aspc.gc.ca

BACKGROUND

- Policy-makers working at the interface of agri-food and public health often deal with complex and cross-cutting issues that have broad health impacts and socio-economic implications¹.
- ➤ They have a responsibility to ensure that policy-making based on these issues is accountable and informed by the best available scientific evidence¹.
- ➤ We conducted a qualitative descriptive study of policy-makers and research and policy analysts in this sector in Ontario, Canada, to understand their perspectives on how the policy-making process is currently informed by scientific evidence and how to facilitate this process².

METHODS

- We conducted five focus groups of 3-7 participants and five one-to-one interviews in 2012 with participants from federal and provincial government departments and industry organizations in the Canadian agri-food public health sector.
- Focus groups and interviews were conducted using a structured and pre-tested guide consisting of seven questions.
- We conducted a qualitative thematic analysis to identify the key concepts and themes related to participants' perceptions about evidence-informed policy-making and how to facilitate this process³.





THEMATIC ANALYSIS RESULTS 1. Identify the Policy Objectives and Context "I think we need a conscious effort put in our "If you're looking 6. Enhance organizations to actually create that knowledge at something like 2. Support Policy translation piece to inform policy and for science a policy in Organizational with Credible to understand how it can influence policy." response to a **Capacity and Skills Scientific Evidence** specific crisis... in that case it's really about what "I think that's the can you access point that is missing quickly that you in communications. consider to be It's a segregation reliable." 3. Integrate between policy and 5. Create and **Scientific Evidence** science. A lot of Maintain times things get lost with Diverse Policy "The reality is, when you're making policy Relationships in translation decisions you always have to take into Inputs because there's no consideration elements that are less tangible, close collaboration." be they societal, political, economic." 4. Communicate Evidence in Relevant, User-Friendly Formats

IMPLICATIONS

- Ongoing and planned efforts in these areas and a supportive culture in both research and policy realms are necessary to facilitate evidence-informed policy-making in this sector.
- Areas for future research could include investigating these themes among a larger, representative sample of stakeholders and applying and evaluating different methods and tools to support evidence-informed policy-making in agri-food public health contexts.

ACKNOWLEDGEMENTS

- We greatly acknowledge all of the individuals that participated in the focus groups and interviews.
- We also thank Kathy Kimmerly for audio transcription, Mia Cikovic for transcription validation and Mai Pham for focus group moderation assistance.
- This study was funded by the Agri-Food and Rural Link "Knowledge Translation and Transfer" Funding Program and Public Health Agency of Canada.







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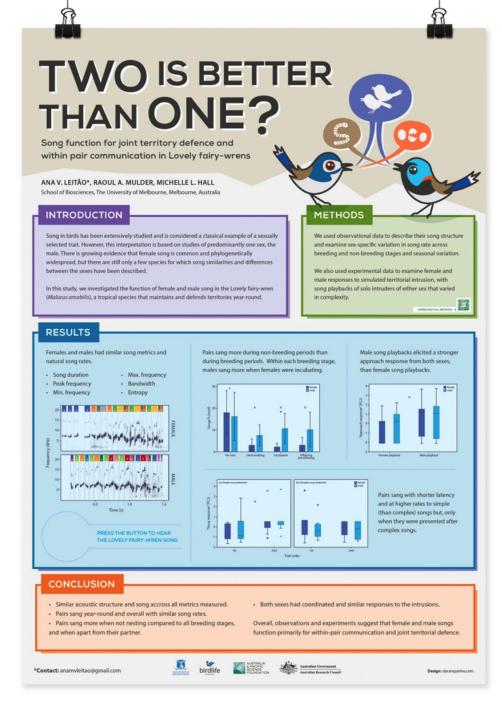
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- ² Sandelowski, M., 2000: Whatever happened to qualitative description? Res. Nurs. Health 23, 334-340.
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https://www.behance.net/gallery/ 2284120/Scientific-Poster

Title

Authors

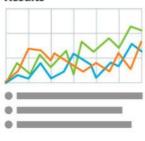
Intro



Methods

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Results



Discussion

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Main finding goes here, translated into plain english. Emphasize the important words.

Extra Tables

& Figures





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How to create your poster?

Pick your favorite software:

- Powerpoint
- Microsoft publisher
- Adobe Creative Suite
- GIMP
- Canva

Format for final (printed) size (e.g., 36"x48", 42"x56") – preview at 100% to be sure images/logos/figures won't print blurry



Pro-Tips for Poster Design

From Emily Lemiska



1. Inclusive Imagery

Why it's important:

- To reach diverse audiences, *must reflect diverse audiences*
- In health care especially counteracting marginalization is vital

Considerations:

- Don't reinforce stereotypes
- Consider who the image centers
- Be mindful of colorism
- Royalty-free stock image site:









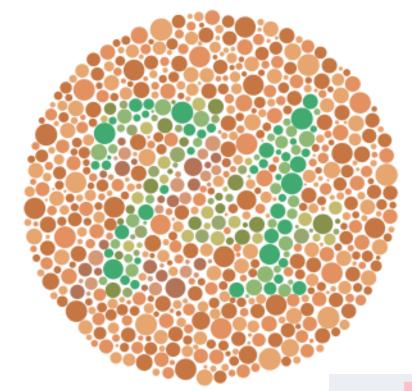
2. Color Choice

Why it's important:

- 14 million Americans have visual impairments
- But even outside of impairments, color affects readability

Considerations:

- Use high-contrast colors/shades
- Avoid red and green (for people with color blindness)







3. White or "Negative" Space

Why it's important:

- Visual "breathing room"
- Too much text is overwhelming

Considerations:

- Avoid single-spacing
- Use bullets, numbered lists, charts
- When in doubt: 25% minimum



You've got mail

Get a smarter all-in-one email platform to start growing your business the right way





You've got mail

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Start now



4. Font Choice

Why it's important:

- Visibility & readability
- People tend to scan, not read
 - Example: on web, people read 20% of text

Considerations:

- Use size 12 font at a minimum
- Use sans serif fonts
- Avoid all caps

And you will read this last

You will read this first

And then you will read this

Then this one

