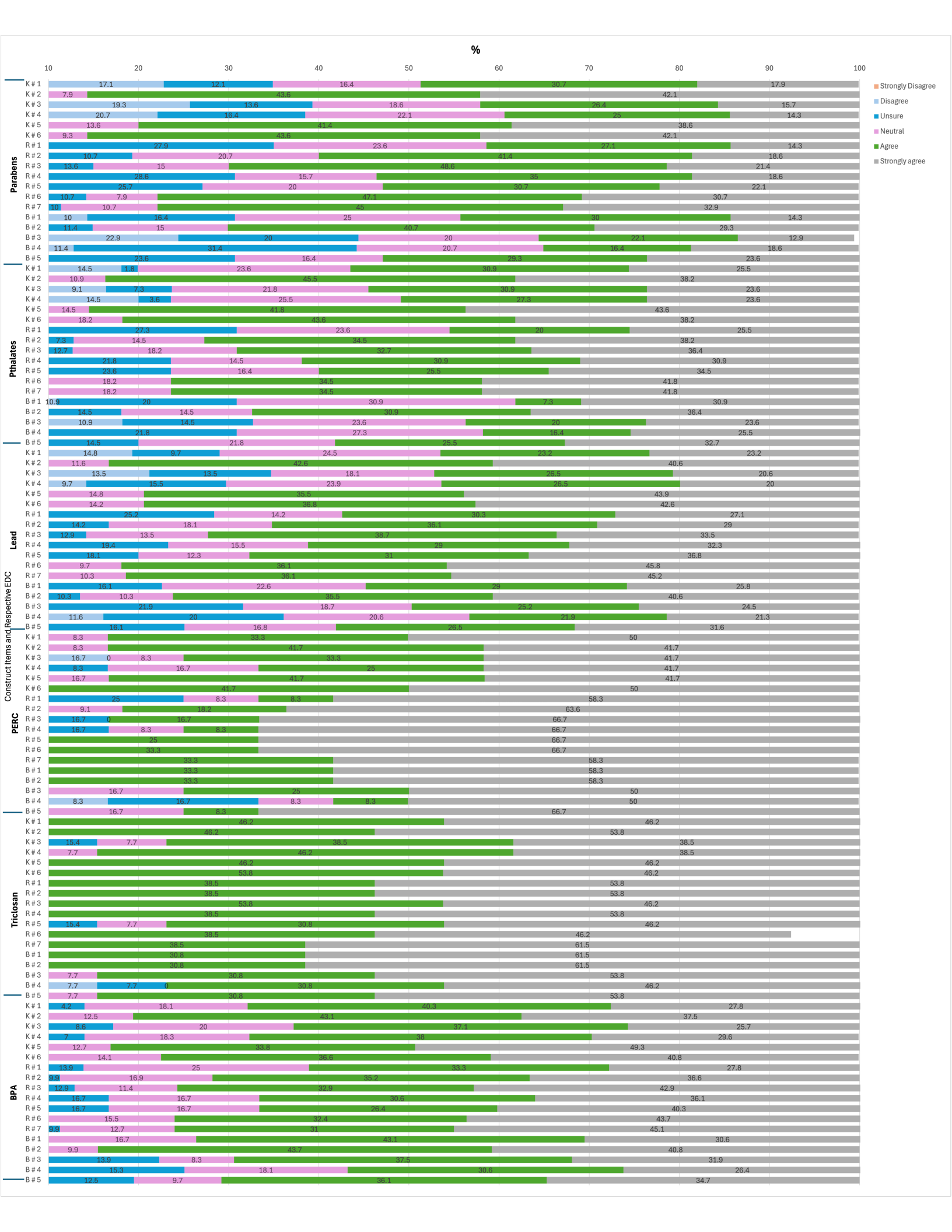
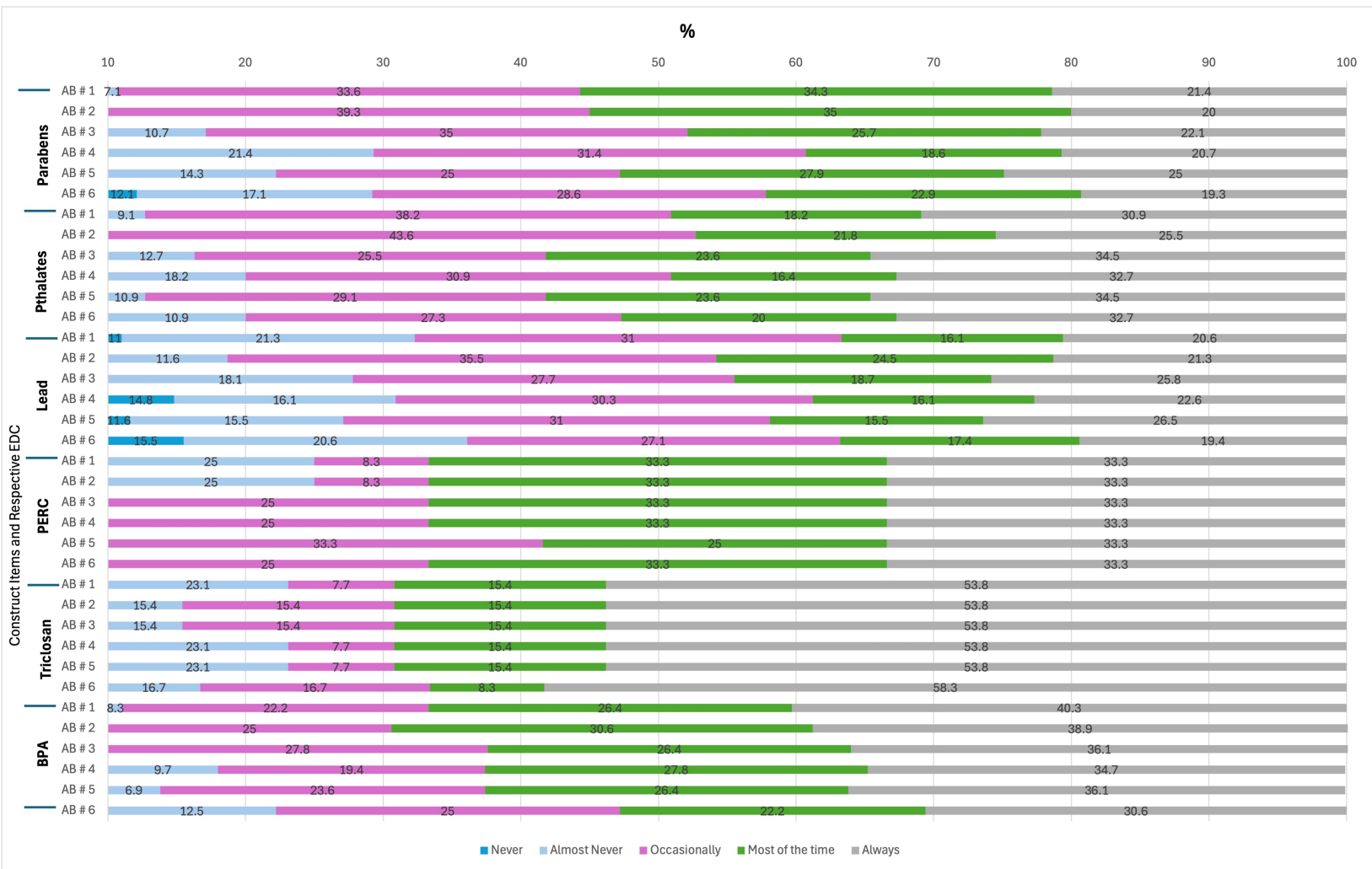






K = Knowledge

R = Health risk perceptions

B = Beliefs

AB = Avoidance behaviour

K # 1: I have access to the information I need to make decisions about lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) in the personal care and household products that I use

K # 2: I buy products that are lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) free

K # 3: I feel that I have enough knowledge to identify products that are lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) free

K # 4: I find it easy to find and purchase personal care and household products that do not contain lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC)

K # 5: I would like more brands and stores to advertise the products that are lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) free

K # 6: I would like more information about products safety and lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC)

R # 1: The personal care and household products that I use do not contain lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC)

R # 2: If you buy personal care and household products that are lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) free, then you are controlling your exposure to harmful chemicals

R # 3: Lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) are ingredients contained in some personal care and household products that may cause negative health outcomes to my family and I

R # 4: If I am exposed to lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC), these may act as hormones in my body and affect the hormonal systems in my body and how they work

R # 5: When a pregnant women is exposed to personal care and household products that contain lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC), then it can cross the placenta and may negatively affect a growing baby

R # 6: Buying personal care and household products that are lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) free is better for my health

R # 7: I feel that it is beneficial to avoid lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) in the personal care and household products that I use to reduce my overall exposure to harmful chemicals

B # 1: I believe my health has been negatively affected by lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC)

B # 2: I believe the harm to my health from lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) in my personal care and household products is real and not at all exaggerated

B # 3: I believe lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) free personal care and household products are as good and effective as other products

B # 4: I believe personal care and household products that are free of lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) are equivalent in cost to other products

B # 5: I believe the information available about products safety and lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) is reliable and true

AB # 1: I use labels lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) free when buying personal care and household products

AB # 2: I buy products that are lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) free

AB # 3: I actively avoid lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC) in the products I use

AB # 4: I buy my products from stores that make it easier to identify lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC)

AB # 5: I buy my products from brands that make it easier to identify lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC)

AB # 6: I use tools (*search functions, filters and/or special products labels*) provided to me in online stores to find products that do not contain lead / parabens / bisphenol A (BPA) / phthalates / triclosan / perchloroethylene (PERC)

Supplementary 1: Study Questionnaire

Knowledge and Perceptions of Women in Relation to Use and Exposures to Personal and Household Chemical Products.

Principal Investigator: Dr. Caroline Barakat Associate Professor

caroline.barakat@ontariotechu.net

Faculty of Health Science, Ontario Tech University

You are invited to participate in a research study entitled ‘Knowledge and Perceptions of Women in Relation to Use and Exposures to Personal and Household Chemical Products.’ You are being asked to take part in a research study. Please read the information about the study presented in this form. The form includes details on study’s procedures, risks and benefits that you should know before you decide if you would like to take part. You should take as much time as you need to make your decision. You should ask the Principal Investigator (PI) or study team to explain anything that you do not understand and make sure that all of your questions have been answered before signing this consent form. Before you make your decision, feel free to talk about this study with anyone you wish including your friends and family. Participation in this study is voluntary and you are free to withdraw at any time.

This study has been reviewed by the University of Ontario Institute of Technology (Ontario Tech University) Research Ethics Board [16949]

Purpose and Procedure

You are invited to participate in a research study being conducted to explore the knowledge, perceptions, and main deciding-factors, in relation to women’s exposures to toxins in personal and household products. This study will utilize a questionnaire to explore your current preferences of personal and household chemical products, perceptions, and reasons for choosing these products, risk perceptions regarding potential toxins, and knowledge of the availability and accessibility to safer options.

You have been deemed eligible to participate and if you agree to participate by reading and completing this consent form you will be given a questionnaire to fill out. The questionnaires will take 15-25 minutes to complete.

This research will be supervised by the Principal Investigator, Dr. Caroline Barakat. We will ask you to complete an online survey through Google Forms. If you express interest, you will receive an online survey link to complete the consent form that you agree, understand the nature of the study, and freely consent to participate. Immediately, you click the submit button. You will be redirected to the next page to complete an online survey that will take no more than 25 minutes to complete. The survey consists of 4 sections; section 1 relates to questions about yourself, so that we better understand who you are and how you interact with personal and household chemical products; section 2 will be exploring your beliefs, perceptions, knowledge, and practice when it comes to products; section 3 will include questions about the information you have accessed about chemicals in products; and section 4 seeks your personal input on the chemicals in products you use. The survey will be available until December 30, 2022.

Potential Benefit

There will be no direct benefit to you from participating in this research study. However, your participation will help to identify if a need exists to develop health promotional activities that will be aimed at building capacity for women to make an informed decision about personal and household chemical products they use. Each participant is valuable to this study.

Potential Risk

There are no known or anticipated physical risks to you from participating in this study. Participants will spend no more than 25 minutes to complete, less likely to cause any adverse emotional reaction.

Use and Storage of Data:

All information collected during this study, including your personal and contact information will be kept confidential and will not be shared with anyone outside the study unless required by law. You will not be named in any reports, publications, or presentations that may come from this study. All identifying information will be removed from the data, coded, and stored separately in an encrypted USB flash drive locked in a safe cabinet located in the Principal Investigator's office. Only the Principal Investigator and the research assistant will have access to this information. Findings from this study will be disseminated through peer-review publications. Please note that the Principal Investigator will submit a separate REB application for any potential future follow-up studies. Data collected from the survey will be aggregated and retained for 2 years for data analysis and dissemination of results. After 2 years, data will be deleted.

Confidentiality

Your privacy shall be respected. This research study includes the collection of demographic data, which will be aggregated (not individually presented) in an effort to protect your anonymity. Confidentiality will be provided to the fullest extent possible by law, professional practice, and ethical codes of conduct. Please note that confidentiality cannot be guaranteed while data is in transit over the Internet. This research study includes the collection of demographic data which will be aggregated (not individually presented) in an effort to protect your anonymity. Despite best efforts it is possible that your identity can be determined even when data is aggregated. Each participant will be assigned a unique identification number to protect their identity. This study will keep all the information you provide strictly confidential.

Voluntary

Your participation in this study is voluntary and you may partake in only those aspects of the study in which you feel comfortable. You may also decide not to be in this study, or to be in the study now, and then change your mind later. You may leave the study at any time and there will be no penalty if you stop taking part. You will be given information that is relevant to your decision to continue or withdraw from participation. Such information will need to be subsequently provided.

Right to withdraw

If you withdraw from the research project at any time, any data that you have contributed will be removed from the study and you do not need to offer any reason for making this request. At any time while completing the survey you change your mind, you can simply close your internet browser without clicking the submit button and your data will be

deleted. Participants cannot withdraw after the survey has been submitted as all completed questionnaires are anonymous and the research team will be unable to identify which responses are yours.

Conflict of Interest

Researchers have an interest in completing this study. Their interests should not influence your decision to participate in this study.

Compensation, Reimbursement, Incentives

You will receive an incentive valued at \$5.00 as a token of appreciation. Participants who volunteer for the second phase of the study will receive an incentive in the form of a \$30.00 gift card. Participants will not incur any expenses as a result of their participation in this study.

Dissemination of Results

Findings from this research study will be part of a master's level thesis and will be shared with the health care and research community through meetings, webinars, peer reviewed journals and conference presentations.

Participant Rights and Concerns

Please read this consent form carefully and feel free to ask the researcher any questions that you might have about the study. If you have any questions about your rights as a participant in this study, complaints, or adverse events, please contact the Research Ethics office at (905) 721 – 8668 ext. 3693 or at researchethics@ontariotechu.ca.

If you have any questions concerning the research study or experience any discomfort related to the study, please contact the principal investigator, Dr. Caroline Barakat by email at caroline.barakat@ontariotechu.ca.

By signing this form, you do not give up any of your legal rights against the investigators, sponsor or involved institutions for compensation, nor does this form relieve the investigators, or involved institutions of their legal and professional responsibilities.

Consent to Participate:

1. I have read the consent form and understand the study being described.
2. I have had the opportunity to ask questions and those questions have been answered. I am free to ask questions about the study in the future.
3. I freely consent to participate in the research study, understanding that I may discontinue participation at any time without penalty. A copy of this consent form has been made available to me.

By checking ☐ the box and clicking the submit button, I agree to participate in this study.

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Draft Survey
Knowledge and Perceptions of Women in Relation to Use and Exposures to Personal and Household Chemical Products

Thank you for agreeing to participate in this study. The study will consist of a survey that includes questions about Personal and Household Chemical Products you use. The ingredients in products of interest for this survey are parabens, phthalates, lead, bisphenol A (BPA), triclosan, and perchloroethylene (PERC). It is okay if you are not familiar with these ingredients.

Section 1: *The section below consists of questions about yourself, so that we can better understand who you are and how you interact with Personal and Household Chemical Products.*

- 1. What is your birth year?** _____
- 2. Which best describes your ethnicity (please check all that apply)?**
 - a. North American Aboriginal origins
 - b. Other North American origins
 - c. European origins
 - d. Caribbean origins
 - e. Latin, Central and South American origins
 - f. African origins
 - g. Asian origins
 - h. Oceania origins
 - i. other (please specify)
- 3. What is the highest level of education that you have completed?**
 - a. Less than secondary (high) school graduation or equivalent
 - b. Secondary (high) school diploma
 - c. Some postsecondary education at a college or university
 - d. Completed a Postsecondary certificate at a college or university
 - e. Completed a diploma, degree or graduate degree at a college or university
- 4. Please indicate your household income range (before tax)**
 - a. Under \$19,999
 - b. \$20,000-39,999
 - c. \$40,000-59,999
 - d. \$60,000-79,999
 - e. \$80,000-99,999
 - f. Greater than \$100,000
- 5. Please indicate the number of persons who live in your household.**
 - a. 1
 - b. 2
 - c. 3
 - d. 4
 - e. 5
 - f. 6
 - g. 7
 - h. another amount (please specify)
- 6. Please specify the city/town you live in:** _____
- 7a. Were you born in Canada?** Yes _____ No _____
- 7b. If you were not born in Canada, what country were you born in?**
- 7c. If you were not born in Canada, how long have you lived in Canada (please identify the units you are using as either years or months)?**
- 8. Are you currently pregnant?** Yes _____ No _____
- 9. Are you currently attempting to become pregnant?** Yes _____ No _____
- 10. Are you currently breastfeeding?** Yes _____ No _____
- 11. Are you currently a parent to a child under the age of 18?** Yes _____ No _____
- 12. How many children do you have? What are the ages of your children?**
- 13. Does anyone from your household has been diagnosed with chemical sensitivity?**
 - Yes _____ No _____ I am not sure/do not know _____
 - (If yes, please specify what chemical(s) cause these sensitivities): _____
- 14a. Do you avoid any ingredients in the personal and household chemical products you buy?** Yes _____ No _____

14b. Please indicate any ingredients in personal and household chemical products that you avoid.

Parabens Phthalates Lead Perchloroethylene (PERC)
 Triclosan Bisphenol A (BPA) I avoid no ingredients I avoid some other
 ingredient not listed (please specify)

Section 2: *The following section will be exploring your beliefs, perceptions, knowledge, and practice when it comes to chemicals in personal and household products. parts b,c, and d of this section will ask you to indicate how you feel (strongly agree (SA), agree (A), neutral (N), disagree (D), strongly disagree (SD) or unsure (U)) about the following statements. Part e will ask you to indicate how often you practice a certain behavior (always, most of the time, occasionally, almost never, never). Please indicate your response by placing a tick mark under your selection*

15a. Have you heard of parabens? Yes No

If no, skip to question 16

15b (Table on Beliefs)	SA	A	N	D	SD	U
I believe the information available about product safety and paraben is reliable and true						
I believe paraben free personal and household chemicals are not as good/effective as other products						
I believe personal and household chemicals that are paraben free are more expensive than other products						
I believe my health has been negatively affected by parabens						
I believe the harm to my health from parabens in my personal and household chemicals is exaggerated						

15c (Table on Health Risk Perceptions)	SA	A	N	D	SD	U
Parabens are contained in the products I use						
Buying products that do not contain parabens allows me to control my exposure to harmful chemicals or toxins?						
Parabens are an ingredient contained in some products that may cause negative health outcomes						
Parabens may act as hormones in my body and affect the hormonal systems in my body and how they work						
Paraben contained in products can cross the placenta of a pregnant women and may negatively affect a growing baby						
Buying products that contain no parabens is better for my health						
I feel that it is pointless to avoid parabens in the products I use because I am exposed to harmful chemicals everywhere.						

15d (Table on Knowledge)	SA	A	N	D	SD	U
I have access to the information I need to make decisions about parabens in the personal and household products I use.						
The Information about parabens that I have accessed is consistent in its messages of safety						
If I had access to reliable information about product safety and parabens, I would use that information to guide my purchasing						
I feel confident in my ability to identify products that are paraben free						
I find it easy to find and purchase products that do not contain parabens						
I would like more brands and stores to advertise the products that are free of parabens						
Would you like more information about product safety and parabens?						

15e (Table on Frequency of Certain Behaviors)	Always	Most of the time	Occasionally	Almost Never	Never
I use labels “paraben free” when buying personal and household products					
I buy products that are paraben free					
I actively avoid parabens in the products I use					
I buy my products from stores that make it easier to identify parabens					
I buy my products from brands that make it easier to identify parabens					
I use tools (search functions, filters, and/or special product labels) provided to me in online stores to find products that do not contain parabens					

15f. If you are not avoiding paraben, please specify which product/products you purchased contained paraben.

16a. Have you heard of phthalates? Yes No

If no, skip to question 17

16b (Table on Beliefs)	SA	A	N	D	SD	U
I believe the information available about product safety and phthalates is reliable and true						
I believe phthalates free personal and household chemicals are not as good/effective as other products						
I believe personal and household chemicals that are phthalates free are more expensive than other products						
I believe my health has been negatively affected by phthalates						
I believe the harm to my health from phthalates in my personal and household chemicals is exaggerated						

16c (Table on Health Risk Perceptions)	SA	A	N	D	SD	U
Phthalates are contained in the products I use						
Buying products that do not contain phthalates allows me to control my exposure to harmful chemicals or toxins?						
Phthalates are an ingredient contained in some products that may cause negative health outcomes						
Phthalates may act as hormones in my body and affect the hormonal systems in my body and how they work						
Phthalates contained in products can cross the placenta of a pregnant women and may negatively affect a growing baby						
Buying products that contain no phthalates is better for my health						
I feel that it is pointless to avoid phthalates in the products I use because I am exposed to harmful chemicals everywhere.						

16d (Table on Knowledge)	SA	A	N	D	SD	U
I have access to the information I need to make decisions about phthalates in the personal and household products I use.						
The Information about phthalates that I have accessed is consistent in its messages of safety						
If I had access to reliable information about product safety and phthalates, I would use that information to guide my purchasing						
I feel confident in my ability to identify products that are phthalates free						
I find it easy to find and purchase products that do not contain phthalates						
I would like more brands and stores to advertise the products that are free of phthalates						
Would you like more information about product safety and phthalates?						

16e (Table on Frequency of Certain Behaviors)	Always	Most of the time	Occasionally	Almost Never	Never
I use labels “phthalates free” when buying personal and household products					
I buy products that are phthalates free					
I actively avoid phthalates in the products I use					
I buy my products from stores that make it easier to identify phthalates					
I buy my products from brands that make it easier to identify phthalates					
I use tools (search functions, filters, and/or special product labels) provided to me in online stores to find products that do not contain phthalates					

16f. If you are not avoiding phthalates, please specify which product/products you purchased contained phthalates.

17a. Have you heard of lead? Yes No
If no, skip to question 18

17b (Table on Beliefs)	SA	A	N	D	SD	U
I believe the information available about product safety and lead is reliable and true						
I believe lead free personal and household chemicals are not as good/effective as other products						
I believe personal and household chemicals that are lead free are more expensive than other products						
I believe my health has been negatively affected by lead						
I believe the harm to my health from lead in my personal and household chemicals is exaggerated						

17c (Table on Health Risk Perceptions)	SA	A	N	D	SD	U
Lead is contained in the products I use						
Buying products that do not contain lead allows me to control my exposure to harmful chemicals or toxins?						
Lead is an ingredient contained in some products that may cause negative health outcomes						
Lead may act as hormones in my body and affect the hormonal systems in my body and how they work						
Lead contained in products can cross the placenta of a pregnant women and may negatively affect a growing baby						
Buying products that contain no lead is better for my health						
I feel that it is pointless to avoid lead in the products I use because I am exposed to harmful chemicals everywhere.						

17d (Table on Knowledge)	SA	A	N	D	SD	U
I have access to the information I need to make decisions about lead in the personal and household products I use.						
The Information about lead that I have accessed is consistent in its messages of safety						
If I had access to reliable information about product safety and lead, I would use that information to guide my purchasing						
I feel confident in my ability to identify products that are lead free						
I find it easy to find and purchase products that do not contain lead						
I would like more brands and stores to advertise the products that are free of lead						
Would you like more information about product safety and lead?						

17e (Table on Frequency of Certain Behaviors)	Always	Most of	Occasionally	Almost	Never
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		the time		Never	
I use labels “lead free” when buying personal and household products					
I buy products that are lead free					
I actively avoid lead in the products I use					
I buy my products from stores that make it easier to identify lead					
I buy my products from brands that make it easier to identify lead					
I use tools (search functions, filters, and/or special product labels) provided to me in online stores to find products that do not contain lead					

17f. If you are not avoiding lead, please specify which product/products you purchased contained lead.

18a. Have you heard of perchloroethylene (PERC)? Yes No

If no, skip to question 19

18b (Table on Beliefs)	SA	A	N	D	SD	U
I believe the information available about product safety and perchloroethylene (PERC) is reliable and true						
I believe perchloroethylene (PERC) free personal and household chemicals are not as good/effective as other products						
I believe personal and household chemicals that are perchloroethylene (PERC) free are more expensive than other products						
I believe my health has been negatively affected by perchloroethylene (PERC)						
I believe the harm to my health from perchloroethylene (PERC) in my personal and household chemicals is exaggerated						

18c (Table on Health Risk Perceptions)	SA	A	N	D	SD	U
Perchloroethylene (PERC) is contained in the products I use						
Buying products that do not contain perchloroethylene (PERC) allows me to control my exposure to harmful chemicals or toxins?						
Perchloroethylene (PERC) is an ingredient contained in some products that may cause negative health outcomes						
Perchloroethylene (PERC) may act as hormones in my body and affect the hormonal systems in my body and how they work						
Perchloroethylene (PERC) contained in products can cross the placenta of a pregnant women and may negatively affect a growing baby						
Buying products that contain no perchloroethylene (PERC) is better for my health						
I feel that it is pointless to avoid perchloroethylene (PERC) in the products I use because I am exposed to harmful chemicals everywhere.						

18d (Table on Knowledge)	SA	A	N	D	SD	U
I have access to the information I need to make decisions about perchloroethylene (PERC) in the personal and household products I use.						
The Information about perchloroethylene (PERC) that I have accessed is consistent in its messages of safety						
If I had access to reliable information about product safety and perchloroethylene (PERC), I would use that information to guide my purchasing						
I feel confident in my ability to identify products that are perchloroethylene (PERC) free						
I find it easy to find and purchase products that do not contain perchloroethylene (PERC)						
I would like more brands and stores to advertise the products that are free of perchloroethylene (PERC)						
Would you like more information about product safety and perchloroethylene (PERC)?						

18e (Table on Frequency of Certain Behaviors)	Always	Most of the time	Occasionally	Almost Never	Never
I use labels “perchloroethylene (PERC) free” when buying personal and household products					
I buy products that are perchloroethylene (PERC) free					
I actively avoid perchloroethylene (PERC) in the products I use					
I buy my products from stores that make it easier to identify perchloroethylene (PERC)					
I buy my products from brands that make it easier to identify perchloroethylene (PERC)					
I use tools (search functions, filters, and/or special product labels) provided to me in online stores to find products that do not contain perchloroethylene (PERC)					

18f. If you are not avoiding para perchloroethylene (PERC)ben, please specify which product/products you purchased contained perchloroethylene (PERC).

19a. Have you heard of triclosan? Yes No

If no, skip to question 20

19b (Table on Beliefs)	SA	A	N	D	SD	U
I believe the information available about product safety and triclosan is reliable and true						
I believe triclosan free personal and household chemicals are not as good/effective as other products						
I believe personal and household chemicals that are triclosan free are more expensive than other products						
I believe my health has been negatively affected by triclosan						
I believe the harm to my health from triclosan in my personal and household chemicals is exaggerated						

19c (Table on Health Risk Perceptions)	SA	A	N	D	SD	U
Triclosan is contained in the products I use						
Buying products that do not contain triclosan allows me to control my exposure to harmful chemicals or toxins?						
Triclosan is an ingredient contained in some products that may cause negative health outcomes						
Triclosan may act as hormones in my body and affect the hormonal systems in my body and how they work						
Triclosan contained in products can cross the placenta of a pregnant women and may negatively affect a growing baby						
Buying products that contain no triclosan is better for my health						
I feel that it is pointless to avoid triclosan in the products I use because I am exposed to harmful chemicals everywhere.						

19d (Table on Knowledge)	SA	A	N	D	SD	U
I have access to the information I need to make decisions about triclosan in the personal and household products I use.						
The Information about triclosan that I have accessed is consistent in its messages of safety						
If I had access to reliable information about product safety and triclosan, I would use that information to guide my purchasing						
I feel confident in my ability to identify products that are triclosan free						
I find it easy to find and purchase products that do not contain triclosan						
I would like more brands and stores to advertise the products that are free of triclosan						
Would you like more information about product safety and triclosan?						

19e (Table on Frequency of Certain Behaviors)	Always	Most of the time	Occasionally	Almost Never	Never
I use labels “triclosan free” when buying personal and household products					
I buy products that are triclosan free					
I actively avoid triclosan in the products I use					
I buy my products from stores that make it easier to identify triclosan					
I buy my products from brands that make it easier to identify triclosan					
I use tools (search functions, filters, and/or special product labels) provided to me in online stores to find products that do not contain triclosan					

19f. If you are not avoiding triclosan, please specify which product/products you purchased contained triclosan.

20a. Have you heard of Bisphenol A (BPA)?

Yes No

If no, skip to question 21

20b (Table on Beliefs)	SA	A	N	D	SD	U
I believe the information available about product safety and bisphenol A (BPA) is reliable and true						
I believe bisphenol A (BPA) free personal and household chemicals are not as good/effective as other products						
I believe personal and household chemicals that are bisphenol A (BPA) free are more expensive than other products						
I believe my health has been negatively affected by bisphenol A (BPA)						
I believe the harm to my health from bisphenol A (BPA) in my personal and household chemicals is exaggerated						

20c (Table on Health Risk Perceptions)	SA	A	N	D	SD	U
Bisphenol A (BPA) is contained in the products I use						
Buying products that do not contain bisphenol A (BPA) allows me to control my exposure to harmful chemicals or toxins?						
Bisphenol A (BPA) is an ingredient contained in some products that may cause negative health outcomes						
Bisphenol A (BPA) may act as hormones in my body and affect the hormonal systems in my body and how they work						
Bisphenol A (BPA) contained in products can cross the placenta of a pregnant women and may negatively affect a growing baby						
Buying products that contain no bisphenol A (BPA) is better for my health						
I feel that it is pointless to avoid bisphenol A (BPA) in the products I use because I am exposed to harmful chemicals everywhere.						

20d (Table on Knowledge)	SA	A	N	D	SD	U
I have access to the information I need to make decisions about bisphenol A (BPA) in the personal and household products I use.						
The Information about bisphenol A (BPA) that I have accessed is consistent in its messages of safety						
If I had access to reliable information about product safety and bisphenol A (BPA), I would use that information to guide my purchasing						
I feel confident in my ability to identify products that are bisphenol A (BPA) free						
I find it easy to find and purchase products that do not contain bisphenol A (BPA)						
I would like more brands and stores to advertise the products that are free of bisphenol A (BPA)						
Would you like more information about product safety and bisphenol A (BPA)?						

20e (Table on Frequency of Certain Behaviors)	Always	Most of the time	Occasionally	Almost Never	Never
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I use labels “bisphenol A (BPA)free” when buying personal and household products					
I buy products that are bisphenol A (BPA)free					
I actively avoid bisphenol A (BPA)in the products I use					
I buy my products from stores that make it easier to identify bisphenol A (BPA)					
I buy my products from brands that make it easier to identify bisphenol A (BPA)					
I use tools (search functions, filters, and/or special product labels) provided to me in online stores to find products that do not contain bisphenol A (BPA)					

20f. If you 20. If you are not avoiding bisphenol A (BPA), please specify which product/products you purchased contained bisphenol A (BPA).

21 (Table on General Beliefs)	SA	A	N	D	SD	U
I believe the ingredients in the personal and household chemical products I use have undergone extensive safety testing for their effects on health before they are used.						
I believe manufactures of personal and household products adequately label potential harms of products on the label						
I believe the government regulates the ingredients in the personal and household products I use to protect my health.						

22 (Table on General Health Risk Perceptions)	SA	A	N	D	SD	U
I am concerned about the ingredients in the products I use						
The ingredients in the products I use can enter my body						

23 (Table on General Knowledge)	SA	A	N	D	SD	U
I feel I am able to make an informed decision about personal and household chemicals safety						

24 (Table on General Frequency of Certain Behaviors)	Always	Most of the time	Occasionally	Almost Never	Never
I buy products that are fragrance free					

If applicable, where did you hear about parabens, phthalates, lead, perchloroethylene (PERC), Triclosan, and/or Bisphenol A (BPA)?

Government Sources (Health Canada, Health Department etc.)

Books

Magazines

Websites/blogs

YouTube

Health Care Professionals

Friends/Family/Work

Colleagues

Product Manufactures News Media

Environmental Groups

Other (please specify)

Did not hear about any of the above

Section 3: *The following section will ask you questions about the information you have accessed about parabens, phthalates, lead, perchloroethylene (PERC), Triclosan, and/or Bisphenol A (BPA) and product safety.*

25. Have you ever accessed information about parabens? Yes No
26. Have you ever accessed information about phthalates? Yes No
27. Have you ever accessed information about lead? Yes No
28. Have you ever accessed information about perchloroethylene (PERC)? Yes No
29. Have you ever accessed information about Triclosan? Yes No
30. Have you ever accessed information about Bisphenol A (BPA)? Yes No

31. Have you ever accessed information about personal and household chemical ingredient safety? Yes No

32. If applicable, from where have you accessed information on parabens, phthalates, lead, perchloroethylene (PERC), Triclosan, and/or Bisphenol A (BPA) (please select all that apply)?

Government Sources (Health Canada, Health Department etc.) Books
Magazines
Websites/blogs YouTube Health Care Professionals Friends/Family/Work Colleagues
Product Manufactures News Media Environmental Groups
I have not accessed this information

33. If applicable, why did you access information about personal and household chemical safety, parabens, phthalates, lead, perchloroethylene (PERC), Triclosan, and/or Bisphenol A (BPA)? Open-ended?

34. In the future where would you prefer to receive information about personal and household chemical safety, parabens, phthalates, lead, perchloroethylene (PERC), Triclosan, and/or Bisphenol A (BPA) from?

Government Sources (Health Canada, Health Department etc.) Books
Magazines Websites/blogs YouTube Health Care Professionals
Friends/Family/Work Colleagues Product Manufactures News Media
Environmental Groups

I am not interested in receiving this information Other

(please specify) _____

35. If applicable, when did you last access information about personal and household chemical safety, parabens, phthalates, lead, perchloroethylene (PERC), triclosan, and/or bisphenol A (BPA) (only answer if you have accessed information:

- a. Less than 3 months ago b. 3 months to 6 months ago
c. Greater than 6 months ago to 1 year d. Greater than 1 year ago

Section 4: *The following section seeks your input on personal and household chemical products.*

36. Is there anything else you would like to tell us about your practices when buying personal and household chemicals?

37. Is there anything else you would like to tell us about the information you require to make informed choices about the products you use and your exposure to parabens, phthalates, lead, perchloroethylene (PERC), Triclosan, and/or Bisphenol A (BPA)?

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Thank you for completing the survey! Your participation is greatly appreciated.
Should you have further information, please do not hesitate to contact Dr. Caroline Barakat
caroline.barakat@ontariotechu.ca

We are looking for research participants that are interested in being part of a follow-up related study that consists of a walk-in interview at their home.
If you wish to be considered as a participant in this follow-up research, please provide your contact information below.

Only selected participants will be contacted to participate.
To thank them for their time, we are offering a gift certificate valued at \$30.

Contact information: