# End of Study Questionnaire Insulin Pump Usability Study (OMB Control Number: 0910-0847, Expiration Date: 12/31/2022)

Next, I would like to have you look at some health information and then answer a few questions about that information. It is expected that this should take approximately 4-10 minutes.

Please note that these questions have no impact on your eligibility, token of appreciation, and are for informational purposes only.

1. Participant ID (the Moderator will enter this)

Nutritional Facts Survey Please note that these questions have no impact on your eligibility for token of appreciation and are for informational purposes only.

The image below shows information on the back of a container of a pint of ice cream. Using this image provided, please answer the following questions. You may use the calculator made available to you if needed for any of the questions. Ice Cream Nutritional Facts:

Nutrition Facts		
Serving Size		½ cup
Servings per container		4
Amount per serving		
Calories 250	Fat Cal	120
		%DV
Total Fat 13g		20%
Sat Fat 9g		40%
Cholesterol 28mg		12%
Sodium 55mg		2%
Total Carbohydrate 30g		12%
Dietary Fiber 2g		
Sugars 23g		
Protein 4g		8%
*Percentage Daily Values (DV) are 2,000 calorie diet. Your daily valu be higher or lower depending on y calorie needs. <b>Ingredients:</b> Cream, Skim Mill Sugar, Water, Egg Yolks, Brown S Milkfat, Peanut Oil, Sugar, Butter, Carrageenan, Vanilla Extract.	es may your k, Liquid Sugar,	

2. The image above shows information on the back of a container of a pint of ice cream. If you eat the entire container, how many calories will you eat? Please enter a numerical value (no commas or decimals) 3. If you are allowed to eat 60 grams of carbohydrates as a snack, how many cups of ice cream could you have?

Please select the value in cups from the dropdown list

Mark only one oval.

- None 1/4 cup ) 1/2 cup ) 3/4 cup ) 1 cup ) 1 and 1/4 cups ) 1 and 1/2 cups 1 and 3/4 cups 2 cups 2 and 1/4 cups ) 2 and 1/2 cups ) 2 and 3/4 cups 3 cups 3 and 1/4 cups 3 and 1/2 cups 3 and 3/4 cups 4 cups
- 4. Your doctor advises you to reduce the amount of saturated fat in your diet. You usually have 42g of saturated fat each day, which includes one serving of ice cream. If you stop eating ice cream, how many grams of saturated fat would you be consuming each day?

Please enter a numerical value (no commas or decimals)

- If you usually eat 2,500 calories in a day, what percentage of your daily value of calories will you be eating if you eat one serving?
   Please enter a numerical value (no commas or decimals, no percentage sign)
- 6. Pretend that you are allergic to the following substances: penicillin, peanuts, latex gloves, and bee stings. Is it safe for you to eat this ice cream?

Mark only one oval.

$\bigcirc$	Yes
$\bigcirc$	No
$\bigcirc$	Not sure

7. (if you answered no to the question above) What allergy would make it unsafe to each this ice cream?

Mark only one oval.

$\frown$	Penicillin	allergy
$\square$	Femuli	alleryy

Peanut allergy

Latex glove allergy

Bee sting allergy

Additional Demographics Please note that these questions have no impact on your eligibility for a token of appreciation and are for informational purposes only.

8. Sex

Mark only one oval.

( Male

- Female
- Prefer not to answer
- 9. What is your age?
- 10. What is your highest level of education?

Mark only one oval.

High school	
Some college	
Associate degree	
Bachelor's degree	
Master's degree	
Octorate degree	
Other:	

#### 11. What is your race? Mark one or more

Check all that apply.

White
 Black or African American
 American Indian or Alaska Native
 Asian
 Native Hawaiian or Other Pacific Islander

12. Are you Hispanic, Latino, or Spanish origin?

Mark only one oval.

$\subset$	$\supset$	Yes
	$\supset$	No

13. Is English your first language?

Mark only one oval.

Yes

- 14. If English is not your first language, what language is?
- 15. Which is your dominant hand?

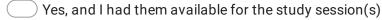
Mark only one oval.

Right

\_\_\_) Left

- Ambidextrous
- 16. Do you normally wear glasses or contact lenses?

#### Mark only one oval.



Yes, and I did NOT have them available for the study session(s)

No

17. Are you color blind?

Mark	only one oval.
$\bigcirc$	Yes
$\bigcirc$	No

$\bigcirc$	Not	sure	
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18. Before this study, do you have experience using drug delivery products (e.g. syringes, autoinjectors) on yourself or others?

Mark only one oval.

Yes	
No	
Other:	

19. Before this study, have you ever prepared or given insulin injections to yourself or anyone else?

Mark only on	e oval.		
Yes			
No			
Other:			 

20. Before this study, have you ever used an insulin pump?

Yes		
No		
Other:		

21. Do you know anyone involved in this research project? Or have you read about it?

Mark only one oval.

Yes		
No		
Other:		

22. How tired are you feeling today?

Mark only one oval.

- 1 Not at all tired
  2 Slightly tired
- 3 Moderately tired
- 🔵 4 Very tired
- Option 5
- 23. At the start of the study session, what level of stress were you feeling?

- 🔵 1 Not at all stressed
- 2 Slightly stressed
- 3 Moderately stressed
- \_\_\_\_\_ 4 Very stressed
- 5 Extremely stressed

24. During the study session today, what level of stress were you feeling?

Mark only one oval.

- 📃 1 Not at all stressed
- 2 Slightly stressed
- 3 Moderately stressed
- \_\_\_\_\_ 4 Very stressed
- \_\_\_\_ 5 Extremely stressed

Questions if you
participated in
training

Note: These next questions are only applicable if you participated in two study sessions. If you only participated in one session, please proceed to "Next"

25. (if you participated in training) Has your level of stress changed from the start of the training to the start of the usability evaluation session?

- 1 Much worse
- 🔵 2 Somewhat worse
- 3 Stayed the same
- \_\_\_\_\_ 4 Somewhat better
- 🔵 5 Much better

26. (if you participated in two study sessions) How tired were you feeling today during the training compared to how you felt during the usability evaluation session?

Mark only one oval.

- 🔵 1 Much worse
- 🔵 2 Somewhat worse
- 📃 3 Stayed the same
- \_\_\_\_\_ 4 Somewhat better
- 🔵 5 Much better
- 27. (if you participated in a study sessions with a 1-hour break) What did you do during your break? Check all that apply.

Check all that apply.

Chee	cked emails or texts
Play	ed games on my phone
Read	d a book or magazine
Wat	ched a show / movie
Wor	ked on documents on a computer
Surf	ed the web
Talk	ed on the phone
Other:	]
Ease of Use	Please rate the ease of each task performed from 1 - Very Difficult to 5 - Very Easy. If you did not perform the task described, please choose "I did not perform this task." Please rat these tasks based on initial intuition and do not think too bard about any task rating

did not perform the task described, please choose "I did not perform this task." Please rate these tasks based on initial intuition and do not think too hard about any task rating.

If you are out of time for your session, please submit the previous sections and let the Moderator know.

(as time permits)

Ratings

28. Clean the vial septum with an alcohol pad

Mark only one oval.

- 1- Very difficult
- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.
- 29. Open the reservoir packaging

Mark only one oval.

- 1- Very difficult
  2- Difficult
  3- Neutral
  4- Easy
  5- Very Easy
  I did not perform this task.
- 30. Extend reservoir plunger rod

- 1- Very difficult
- 2- Difficult
- 3- Neutral
- \_\_\_\_\_ 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.

31. Attach transfer guard/reservoir to the vial

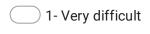
Mark only one oval.

- 1- Very difficult
- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.
- 32. Press down on the plunger to pressurize the vial

Mark only one oval.

1- Very difficult
2- Difficult
3- Neutral
4- Easy
5- Very Easy

- 📃 I did not perform this task.
- 33. Flip the vial over and pull the plunger to fill the reservoir



- 2- Difficult
- 🔵 3- Neutral
- \_\_\_\_\_ 4- Easy
- 5- Very Easy
- 📃 I did not perform this task.

34. Tap the reservoir to remove air bubbles and fill the reservoir to the desired volume

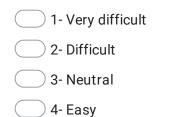
Mark only one oval.

- 1- Very difficult
- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 5- Very Easy
- 📃 I did not perform this task.
- 35. Disconnect the reservoir from the transfer guard after filling

Mark only one oval.

1- Very difficult
2- Difficult
3- Neutral
4- Easy
$\bigcirc$

- 5- Very Easy
- I did not perform this task.
- 36. Disconnect the transfer guard from the vial and dispose of the transfer guard



- 5- Very Easy
- 📃 I did not perform this task.

37. Connect the reservoir to the infusion set

Mark only one oval.

1- Very difficult
 2- Difficult

- 3- Neutral
- 🔵 4- Easy
- 5- Very Easy
- 📃 I did not perform this task.
- 38. Remove air bubbles from the reservoir after connecting to the infusion set tubing

Mark only one oval.

$\bigcirc$	1-	Very	difficult
$\frown$			

- 2- Difficult
- 🕖 3- Neutral
- 🕖 4- Easy
- 5- Very Easy
- I did not perform this task.
- 39. Disconnect (untwist) the plunger from the reservoir

# Mark only one oval.

1- Very difficult

2- Difficult

🔵 3- Neutral

🔵 4- Easy

5- Very Easy

📃 I did not perform this task.

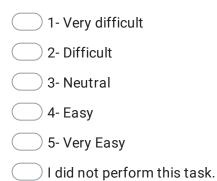
40. Insert the reservoir into the pump

Mark only one oval.

1- Very difficult

- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.
- 41. Fill the infusion set tubing

Mark only one oval.



42. Select the injection site

- 1- Very difficult
- 2- Difficult
- 3- Neutral
- \_\_\_\_\_ 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.

43. Wash hands or use hand sanitizer

Mark only one oval.

- 1- Very difficult
- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 5- Very Easy
- 📃 I did not perform this task.
- 44. Clean the injection site with an alcohol pad

Mark only one oval.

1- Very difficult
2- Difficult
3- Neutral
4- Easy
5- Very Easy
I did not perform this task.

45. Place the infusion set into the insertion device

- 1- Very difficult
- 2- Difficult
- 🔵 3- Neutral
- 📃 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.

#### 46. Remove the adhesive backing from the infusion set

Mark only one oval.

1- Very difficult
 2- Difficult

- 3- Neutral
- 🔵 4- Easy
- 🔵 5- Very Easy

Mark only one oval.

- 📃 I did not perform this task.
- 47. Pull back handle on the insertion device to set the insertion device

# 1- Very difficult 2- Difficult 3- Neutral 4- Easy 5- Very Easy I did not perform this task.

#### 48. Remove the needle guard from the infusion set

- 1- Very difficult
- 2- Difficult
- 3- Neutral
- \_\_\_\_\_ 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.

49. Insert infusion set using the insertion device

Mark only one oval.

- 1- Very difficult
- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 5- Very Easy
- 📃 I did not perform this task.
- 50. Secure the adhesive to the skin

Mark only one oval.

1- Very difficult
2- Difficult
3- Neutral
🗌 4- Easy
5- Very Easy

- 📃 I did not perform this task.
- 51. Remove needle from infusion set



- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.

52. Place guard on and dispose of needle hub

Mark only one oval.

- 1- Very difficult
- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.
- 53. Fill the cannula

Mark only one oval.

- 1- Very difficult
- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 5- Very Easy
- I did not perform this task.
- 54. Program basal rates

- 1- Very difficult
- 2- Difficult
- 3- Neutral
- \_\_\_\_\_ 4- Easy
- 🔵 5- Very Easy
- 📃 I did not perform this task.

#### 55. Remove and dispose of the infusion set and reservoir

Mark only one oval.

1- Very difficult

- 2- Difficult
- 🔵 3- Neutral
- 🔵 4- Easy
- 5- Very Easy
- 📃 I did not perform this task.

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