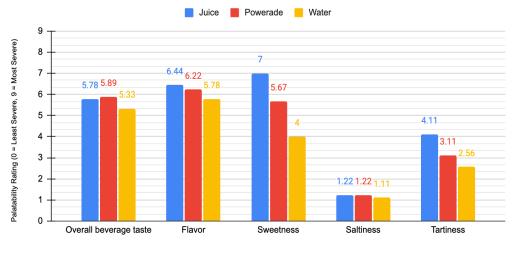
# Electrolyte Hydration: Identifying the Most Refreshing Post-Workout Beverages

Sloane E. Partlan

# **Supplemental Information**

**Table S1**: Average thirst levels for three beverages: juice, Powerade, and water, measured at three time points: prior to exercise, immediately after exercise, and one hour after exercise. Data reflect participants' self-reported thirst levels following a 60-minute run and post-exercise hydration. Lower values indicate less thirst, while higher values indicate greater thirst on a scale from 0-9.

Time Point	Juice (n=9)	Electrolytes (n=9)	Water (n=9)
Prior to exercise	8.11	7.33	8.67
Immediately after exercise	3.11	4.56	3.22
One hour post exercise	1.44	2.56	1.22

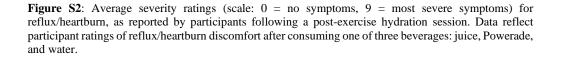


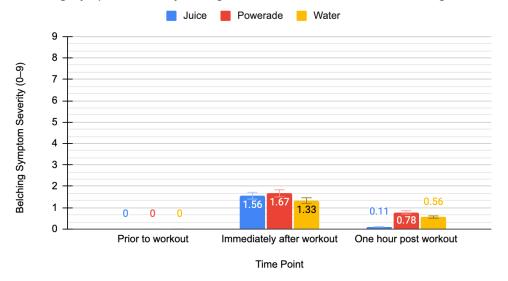
# Comparison of Palatability Ratings for Different Post-Exercise Drinks

**Figure S1**: Average palatability severity ratings (scale: 0 = least severe/fewest symptoms, 9 = most severe/most symptoms) for three beverages: juice, Powerade, and water, as reported by participants following a post-exercise hydration session. Data reflect participant ratings of taste preferences and overall drink enjoyment.



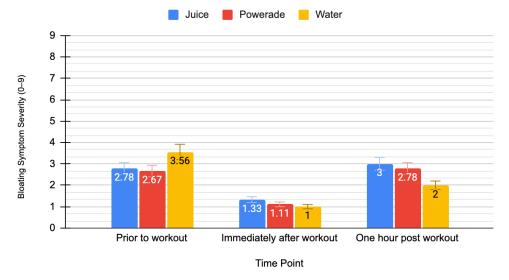
# Reflux/Heartburn Severity Over Time Following Different Post-Exercise Beverages





### Belching Symptom Severity Ratings for Different Post-Exercise Beverages

**Figure S3**: Average belching severity ratings (scale: 0 = no belching, 9 = most severe belching) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of belching discomfort after consuming one of three beverages: juice, Powerade, and water.



# Bloating Symptom Severity Ratings for Different Post-Exercise Beverages

**Figure S4**: Average bloating severity ratings (scale: 0 = no bloating, 9 = most severe bloating) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of bloating discomfort after consuming one of three beverages: juice, Powerade, and water.



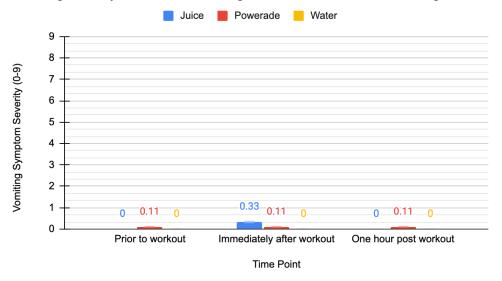
# Stomach Pain/Cramping Severity Over Time Following Different Post-Exercise Beverages

**Figure S5:** Average stomach pain severity ratings (scale: 0 = no pain, 9 = most severe pain) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of cramping discomfort after consuming one of three beverages: juice, Powerade, and water.



### Nausea Severity Over Time Following Different Post-Exercise Beverages

**Figure S6**: Average nausea severity ratings (scale: 0 = no nausea, 9 = most severe nausea) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of nausea discomfort after consuming one of three beverages: juice, Powerade, and water.



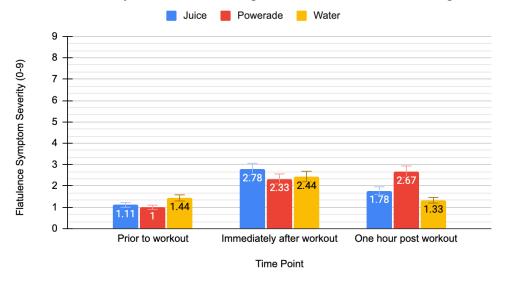
#### Vomiting Severity Over Time Following Different Post-Exercise Beverages

**Figure S7:** Average vomiting severity ratings (scale: 0 = no vomiting, 9 = most severe vomiting) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of vomiting after consuming one of three beverages: juice, Powerade, and water.



### Intestinal/Lower Abdominal Pain/Cramping Symptom Severity Ratings for Different Post-Exercise Beverages

**Figure S8:** Average lower abdominal pain severity ratings (scale: 0 = no pain, 9 = most severe pain) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of cramping discomfort after consuming one of three beverages: juice, Powerade, and water.



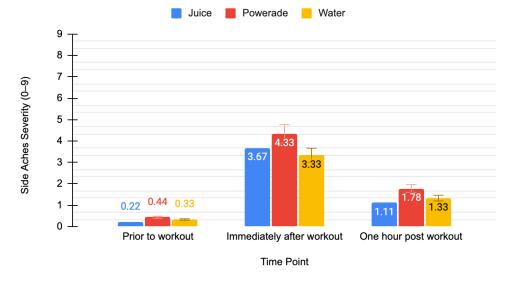
# Flatulence Severity Over Time Following Different Post-Exercise Beverages

**Figure S9:** Average flatulence severity ratings (scale: 0 = no symptoms, 9 = most severe symptoms) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of flatulence discomfort after consuming one of three beverages: juice, Powerade, and water.



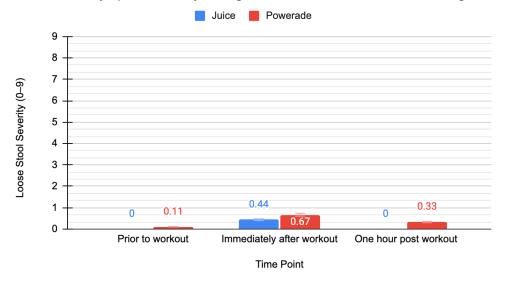
# Urge to Defecate Severity Over Time Following Different Post-Exercise Beverages

**Figure S10:** Average urge to defecate severity ratings (scale: 0 = no symptoms, 9 = most severe symptoms) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of symptoms after consuming one of three beverages: juice, Powerade, and water.



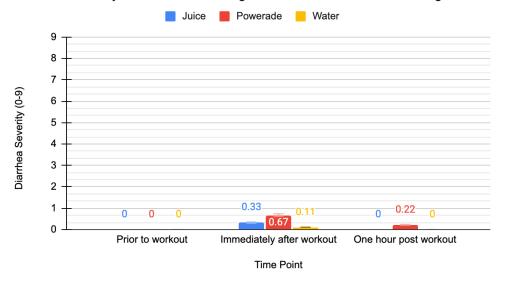
# Side Aches Symptom Severity Ratings for Different Post-Exercise Beverages

**Figure S11:** Average side aches severity ratings (scale: 0 = no pain, 9 = most severe pain) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of symptoms after consuming one of three beverages: juice, Powerade, and water.



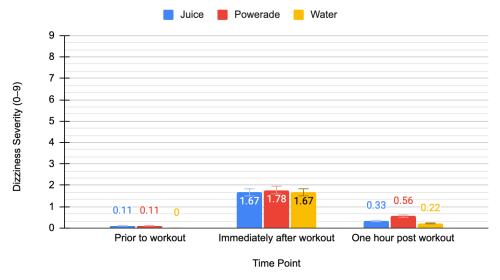
### Loose Stool Symptom Severity Ratings for Different Post-Exercise Beverages

**Figure S12**: Average loose stool severity ratings (scale: 0 = no symptoms, 9 = most severe symptoms) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of symptoms after consuming one of three beverages: juice, Powerade, and water.



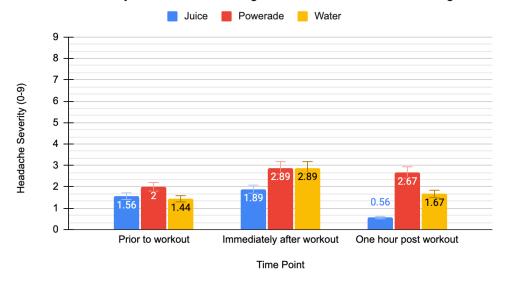
### Diarrhea Severity Over Time Following Different Post-Exercise Beverages

**Figure S13**: Average diarrhea severity ratings (scale: 0 = no symptoms, 9 = most severe symptoms) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of symptoms after consuming one of three beverages: juice, Powerade, and water.



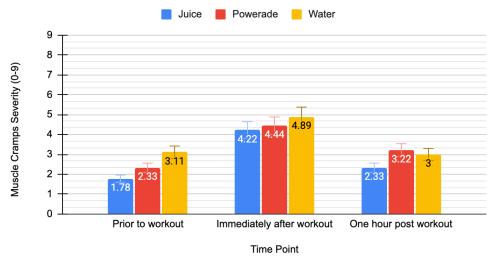
### Dizziness Severity Ratings for Different Post-Exercise Beverages

**Figure S14**: Average dizziness severity ratings (scale: 0 = no symptoms, 9 = most severe symptoms) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of symptoms after consuming one of three beverages: juice, Powerade, and water.



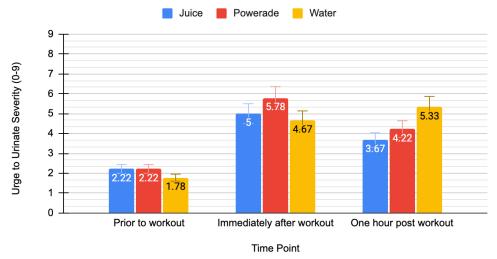
### Headache Severity Over Time Following Different Post-Exercise Beverages

**Figure S15:** Average headache severity ratings (scale: 0 = no symptoms, 9 = most severe symptoms) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of symptoms after consuming one of three beverages: juice, Powerade, and water.



# Muscle Cramps Severity Over Time Following Different Post-Exercise Beverages

**Figure S16**: Average muscle cramp severity ratings (scale: 0 = no symptoms, 9 = most severe symptoms) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of symptoms after consuming one of three beverages: juice, Powerade, and water.



# Urge to Urinate Severity Over Time Following Different Post-Exercise Beverages

**Figure S17**: Average urge to urinate severity ratings (scale: 0 = no symptoms, 9 = most severe symptoms) as reported by participants following a post-exercise hydration session. Data reflect participant ratings of symptoms after consuming one of three beverages: juice, Powerade, and water.