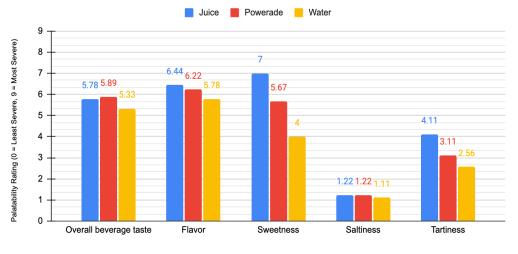
Electrolyte Hydration: Identifying the Most Refreshing Post-Workout Beverages

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

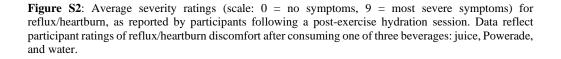


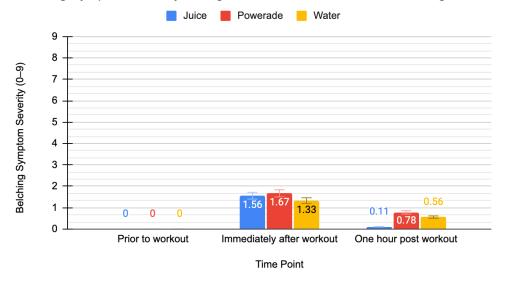
Comparison of Palatability Ratings for Different Post-Exercise Drinks

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.



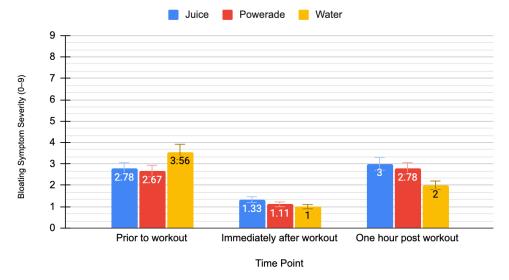
Reflux/Heartburn Severity Over Time Following Different Post-Exercise Beverages





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.



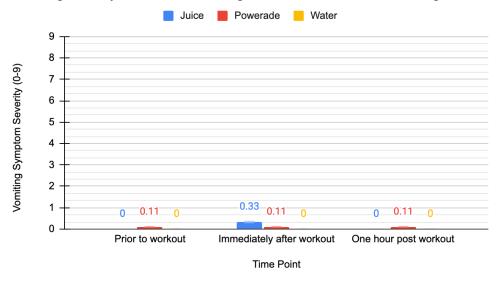
Stomach Pain/Cramping Severity Over Time Following Different Post-Exercise Beverages

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.



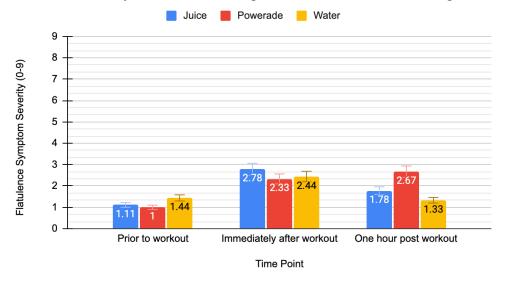
Vomiting Severity Over Time Following Different Post-Exercise Beverages

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.



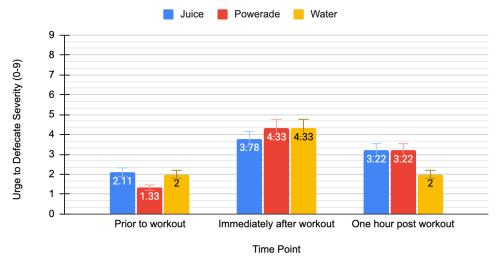
Intestinal/Lower Abdominal Pain/Cramping Symptom Severity Ratings for Different Post-Exercise Beverages

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.



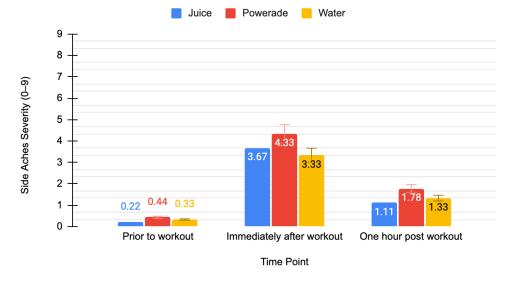
Flatulence Severity Over Time Following Different Post-Exercise Beverages

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.



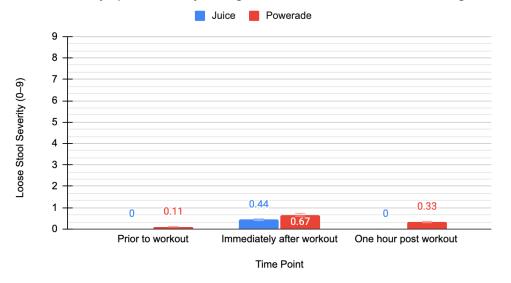
Urge to Defecate Severity Over Time Following Different Post-Exercise Beverages

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.



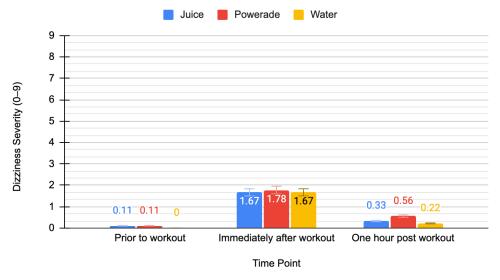
Loose Stool Symptom Severity Ratings for Different Post-Exercise Beverages

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.



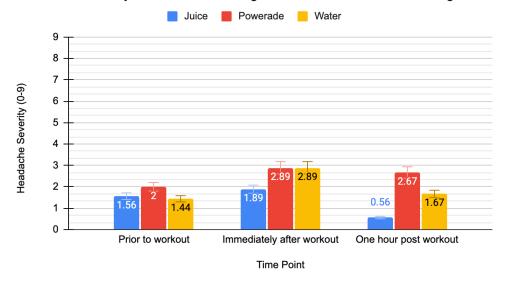
Diarrhea Severity Over Time Following Different Post-Exercise Beverages

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.



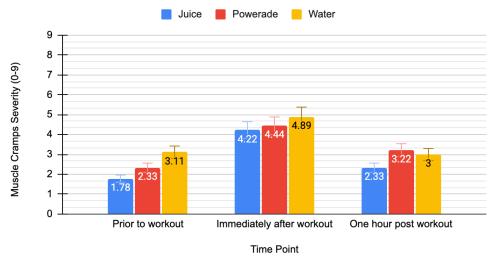
Dizziness Severity Ratings for Different Post-Exercise Beverages

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.



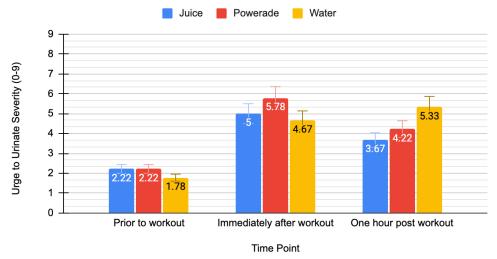
Headache Severity Over Time Following Different Post-Exercise Beverages

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.