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Behavioral Science Insights for Public Health

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Heuristics & Biases

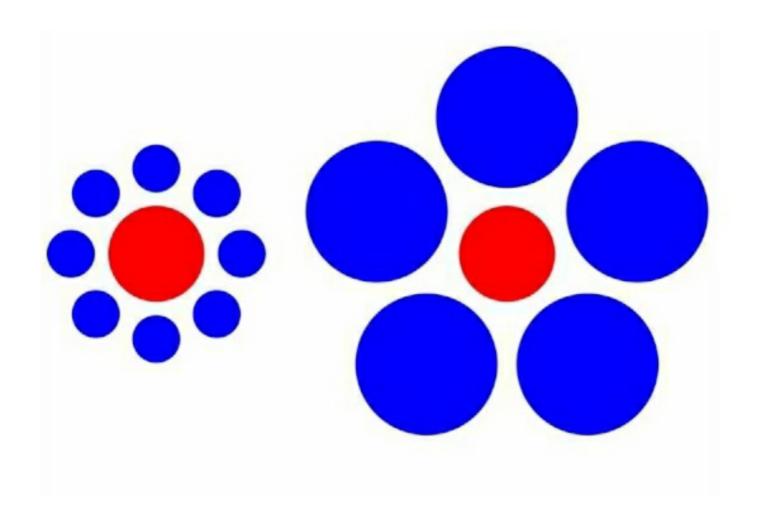




Nutrition Facts 8 servings per container Serving size 2/3 cup (55g) **Amount per serving** 230 **Calories** % Daily Value* 10% Total Fat 8g 5% Saturated Fat 1g Trans Fat 0g 0% Cholesterol Omg Sodium 160mg 7% Total Carbohydrate 37g 13% Dietary Fiber 4g 14% Total Sugars 12g 20% Includes 10g Added Sugars Protein 3g Vitamin D 2mcg 10% 20% Calcium 260mg 45% Iron 8mg 6% Potassium 235mg * The % Daily Value (DV) tells you how much a nutrient in

a serving of food contributes to a daily diet. 2,000 calories

a day is used for general nutrition advice.

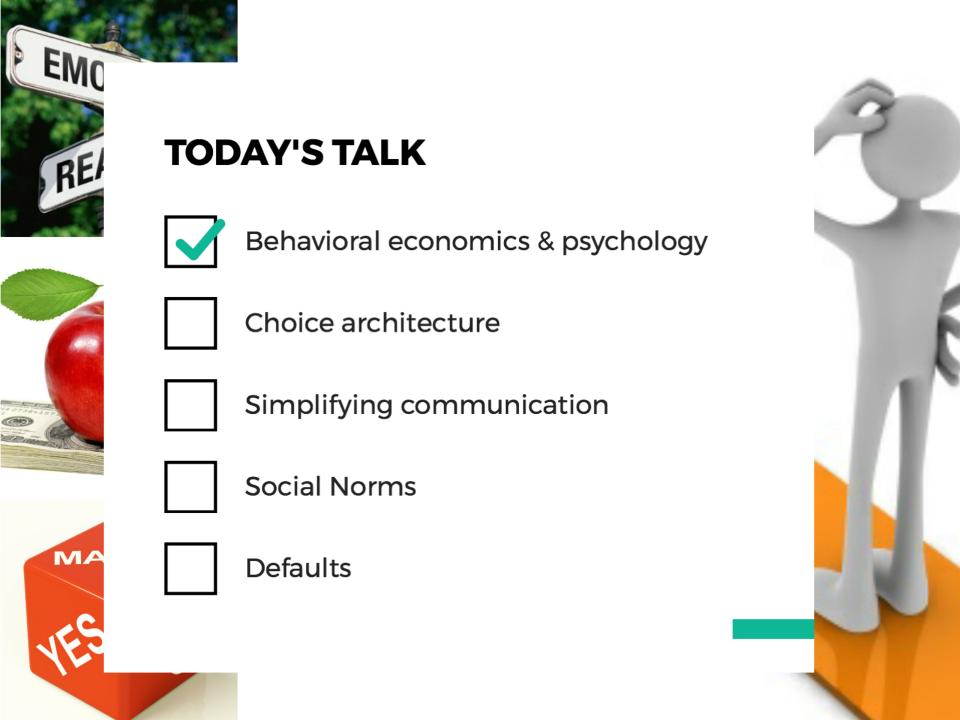












Choice Architecture & Simplifying Communication



Over 6000 employees/visitors



Register data for 9 months





"Consume often"



"Consume less often"



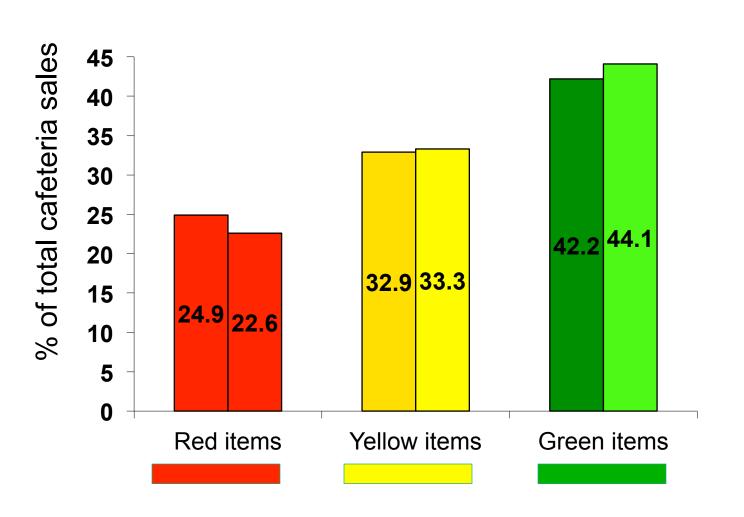
"There's a better choice in green or yellow"

Choice Architecture





Sales of all cafeteria items during baseline and labeling



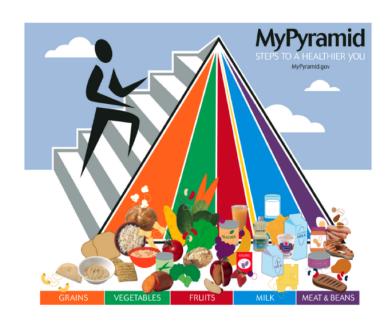
Choice Architecture



Water = 14% of all cold beverage sales

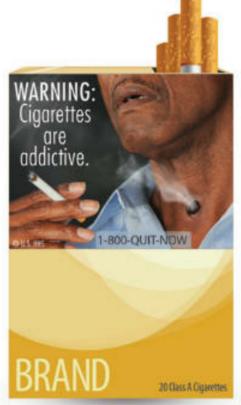


Memorable & Actionable Guidelines



Simplifying Communication







Social Norms

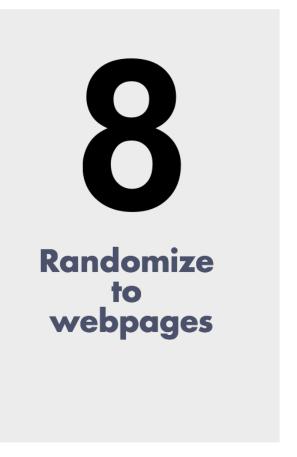
- How others act in a given situation
- Other people signal what do to & what is appropriate



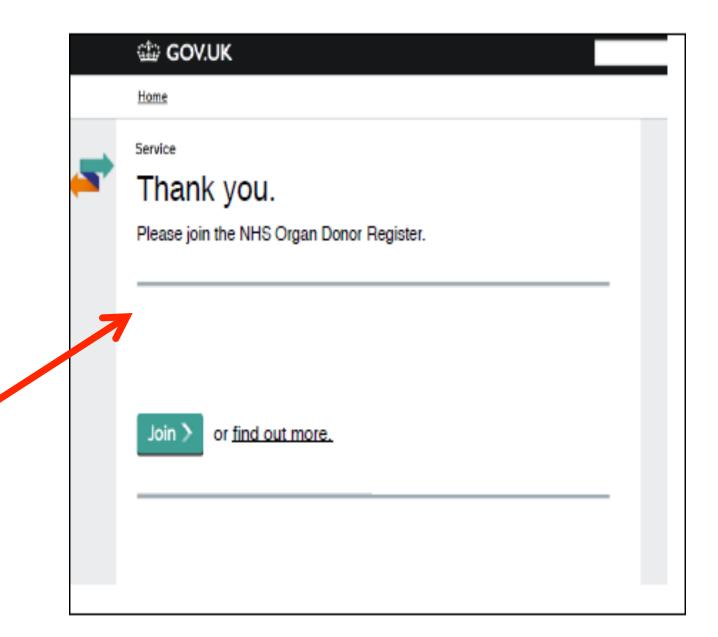
U.K. Organ Donation Study



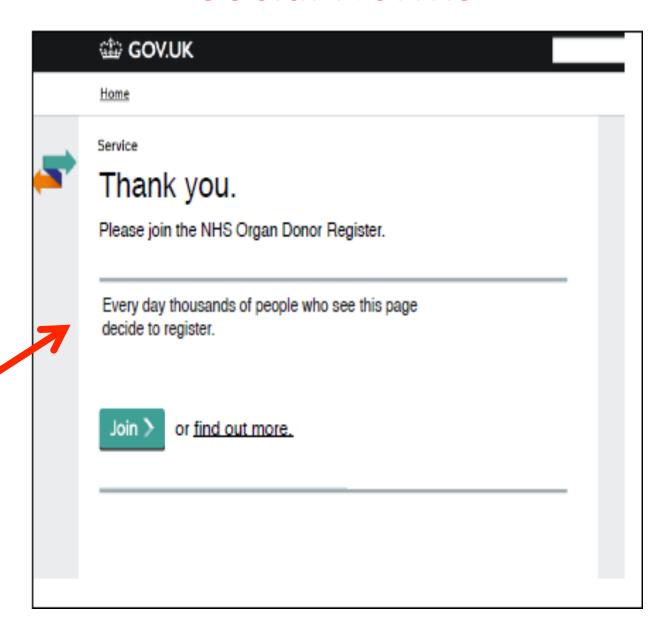




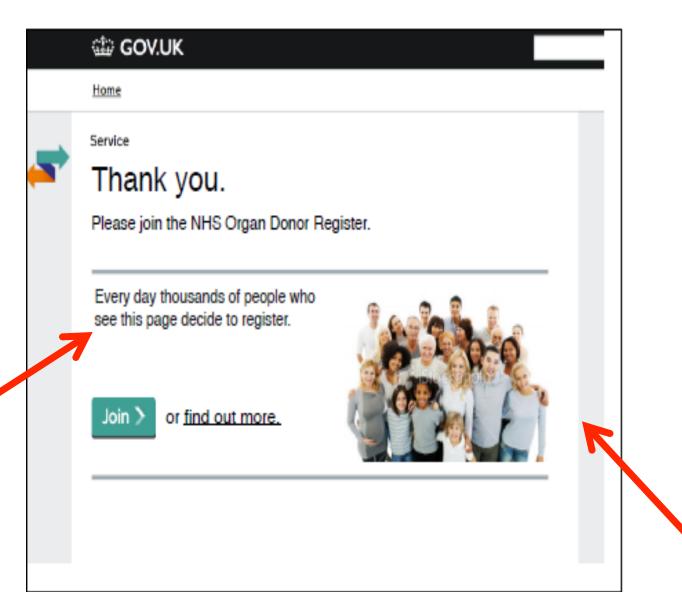
Control



Social Norms



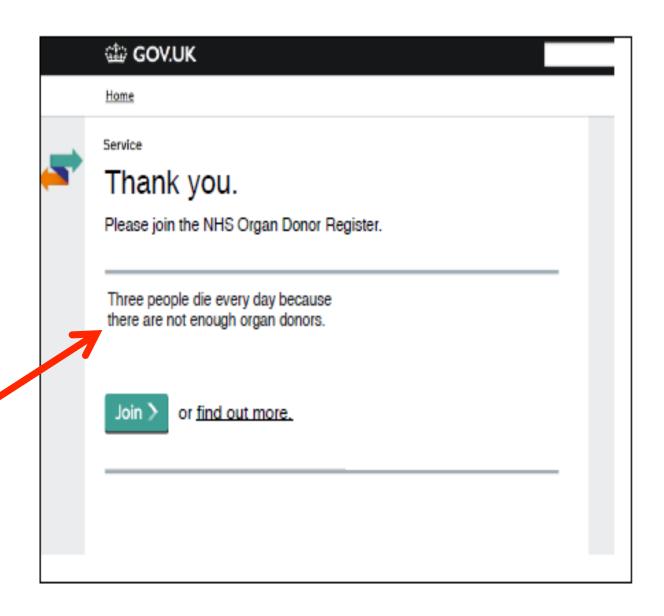
Norm & Picture - Salience



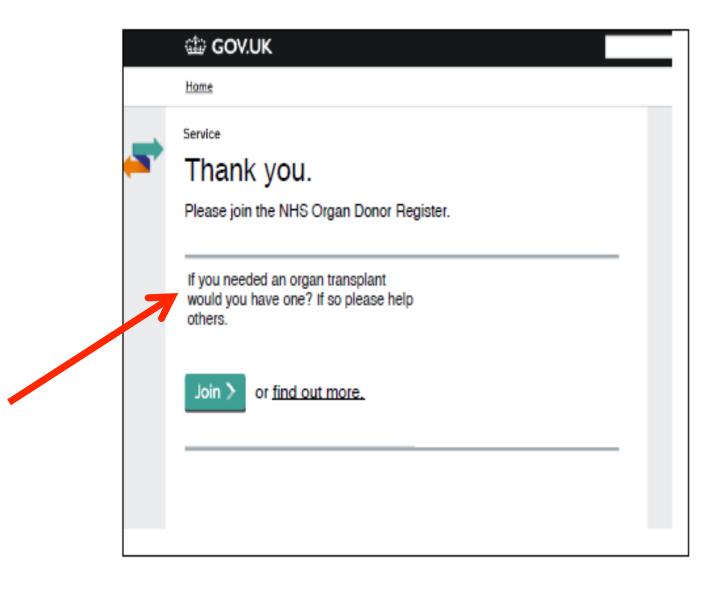
Norm & Logo - Salience



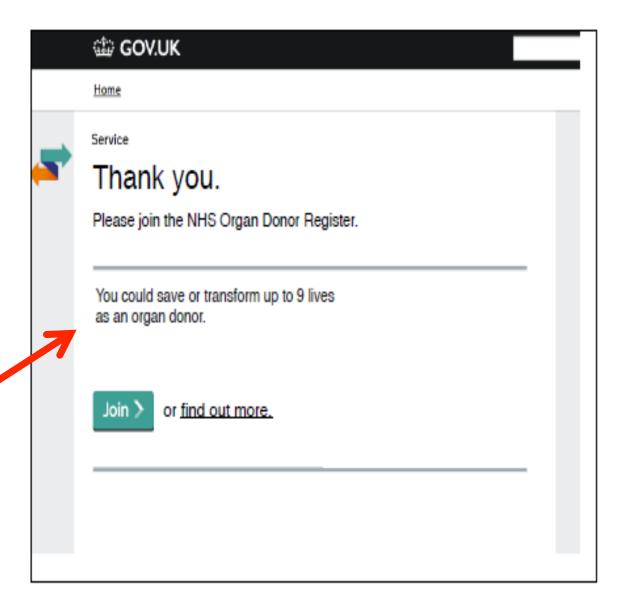
Three Die - Loss Aversion



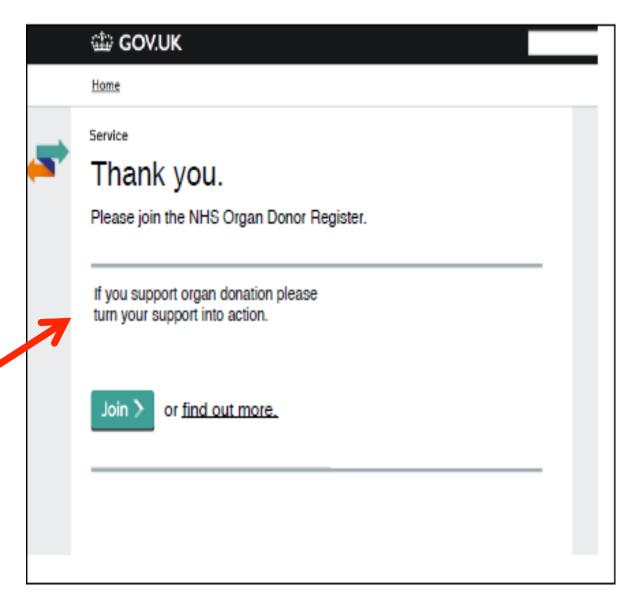
Reciprocity



Nine lives – Self-efficacy



Action – hypocrisy induction



Results

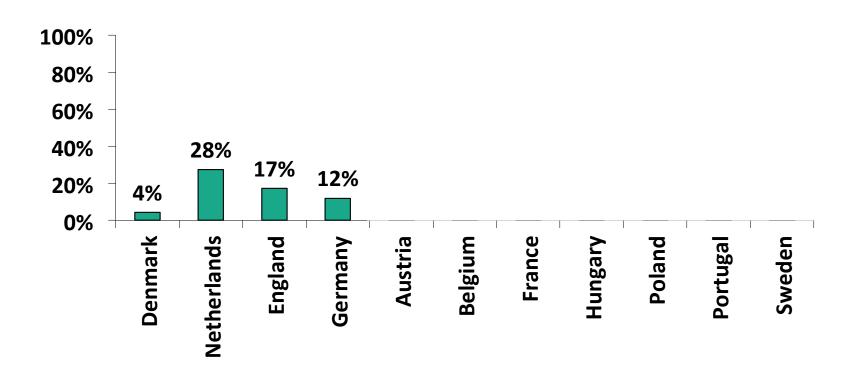
DO NOTHING.

Status Quo Bias:

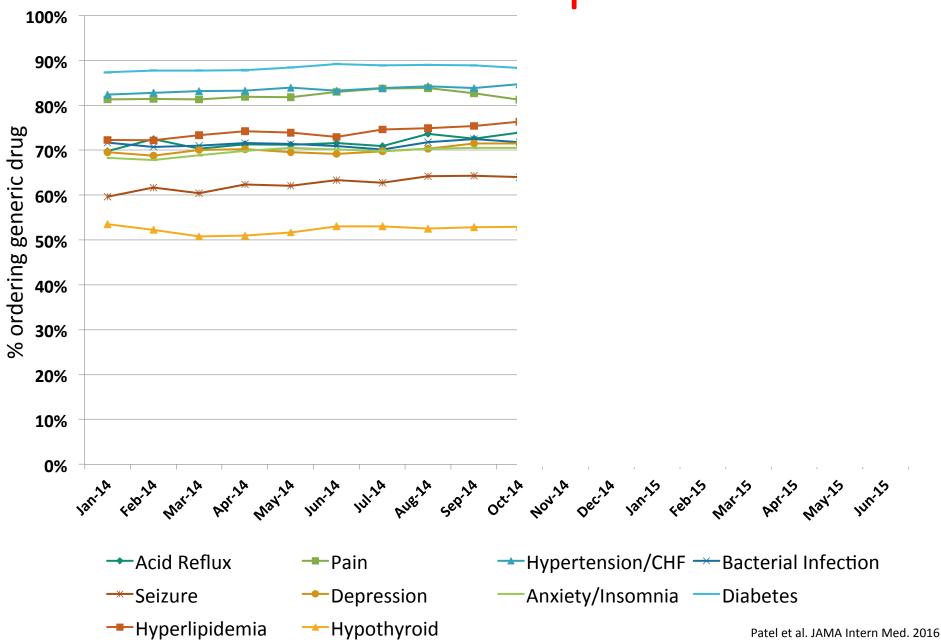
People prone to sticking with defaults

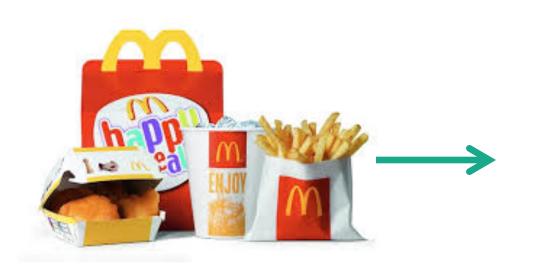
Organ Donation Default

% Choosing to Donate Their Organs



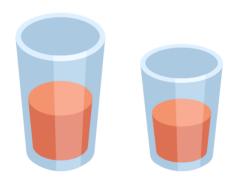
Default Prescriptions







Portion limit of 16 ounces on sugary drinks served in restaurants





4 Lab Experiments

90 min session, \$25
Order drink at beginning
Given 40 cents for drink
Iced Tea or Lemonade



Bundling Beverages

Medium Size 20 cents

Large Size 30 cents

Regular Portions

Bundled Portions

Calories Consumed (N=362)

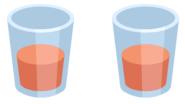


$$F(1,358) = 1.67, p = .20$$

Summary

Bundling did not backfire

Might even help curb consumption



Free Refills Manipulation

Medium Size 20 cents

Large Size 30 cents

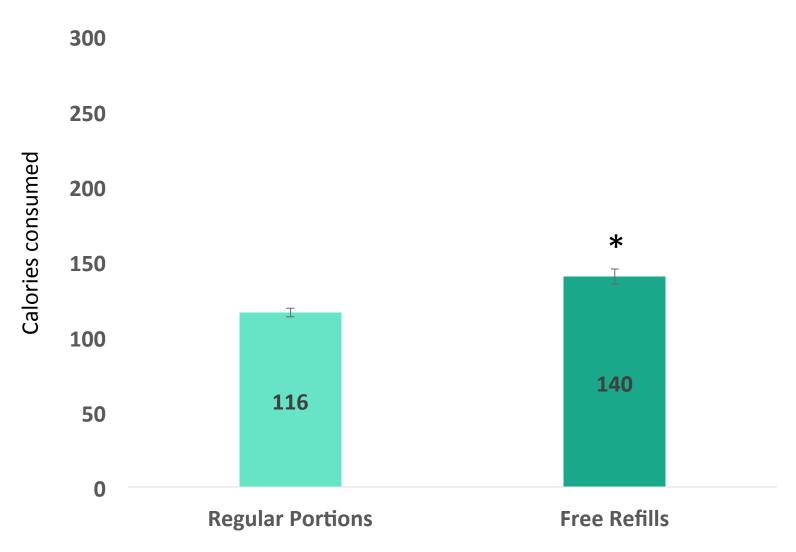
Regular Portions

Portion Cap + Free Refills

Waiter vs. Self-Served



Calories Consumed (N=297)



F (1,293) = 22.48 p < .0005

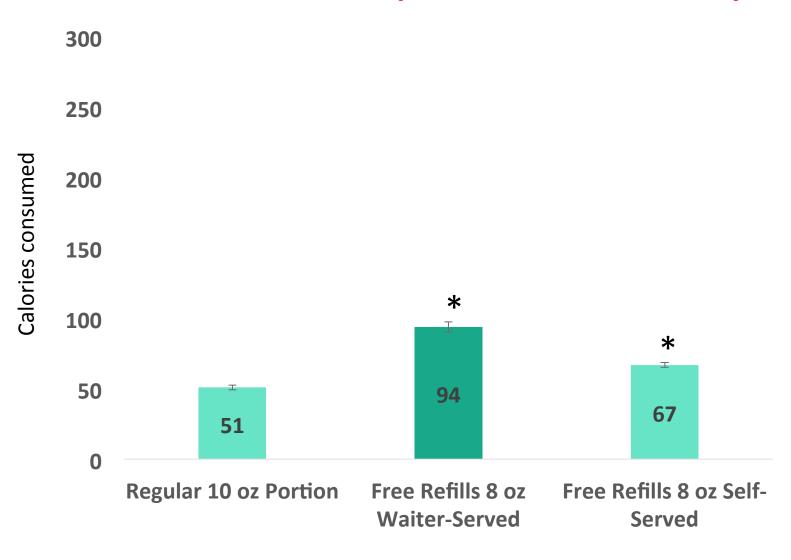
Waiter vs. Self-Served



Calories Consumed (N=557 → 341)



Calories Consumed (N=284 Given Drinks)



Summary

Bundling did not backfire

 Free refills can backfire, but less so when selfserved

Need to study other portion limit contexts

Do not become too seduced

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