

Raw Milk: Double Trouble

2011 CEHA AEC

Presented by Lane Drager

BOULDER COUNTY
PUBLIC HEALTH

Opportunity for a healthy life.



Background

- June 18, 2010
 - Epi Investigation began
 - 39 year old male confirmed Campy
 - 2 year old son also ill
 - Both drink milk from raw goat milk share
 - Know of other shareholders that are ill
- June 23
 - Began contacting and interviewing 44 shareholders
- June 24
 - 2nd confirmed Campy case

Investigating the Dairy



6/25/10 Environmental Investigation



6/25/10 Environmental Investigation



6/25/10 Environmental Investigation



6/25/10 Environmental Investigation





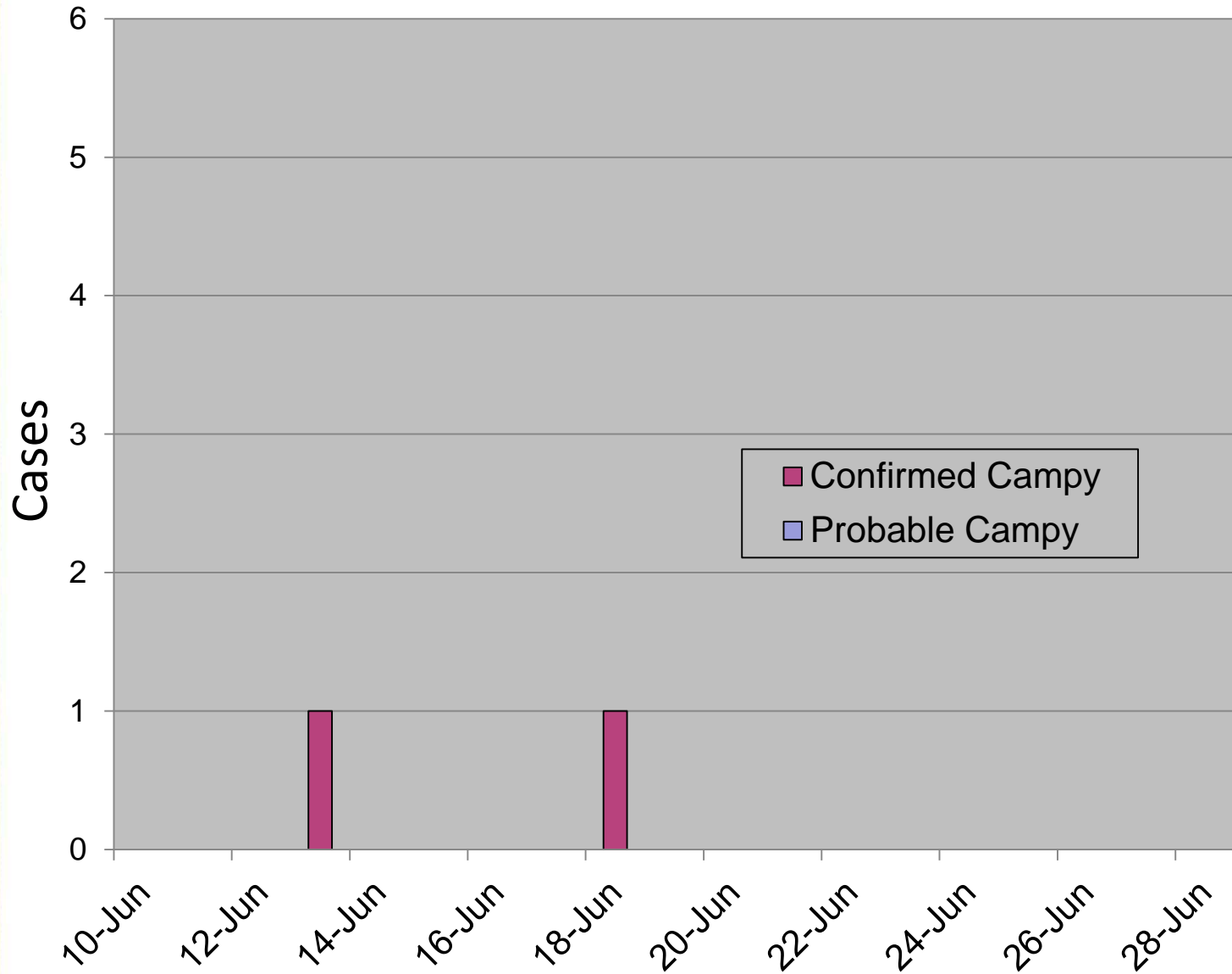
The Epi Curve Unfurls



Billy Goat Dairy Outbreak

Gastrointestinal Illness Onset

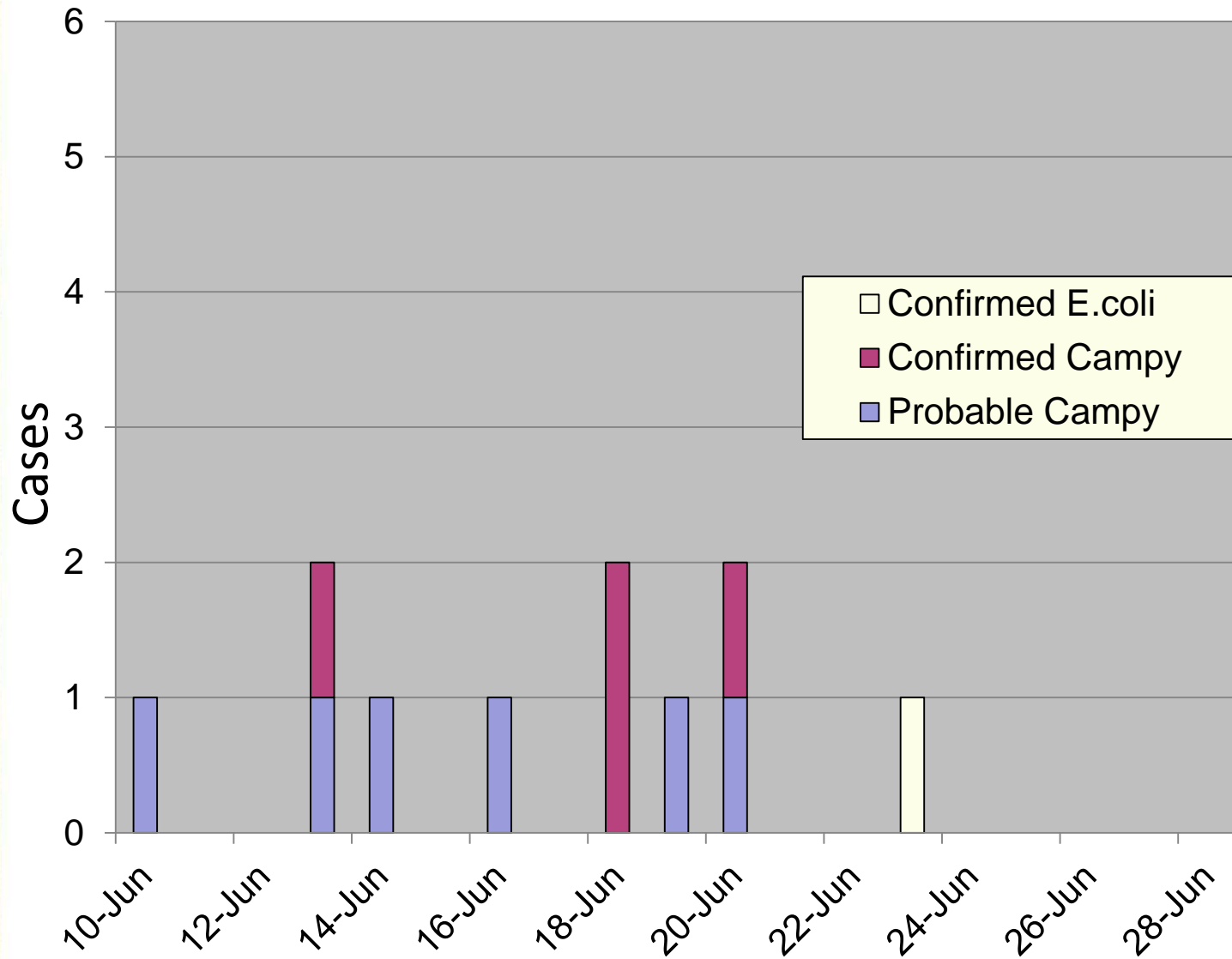
June 25, 2010



Billy Goat Dairy Outbreak

Gastrointestinal Illness Onset

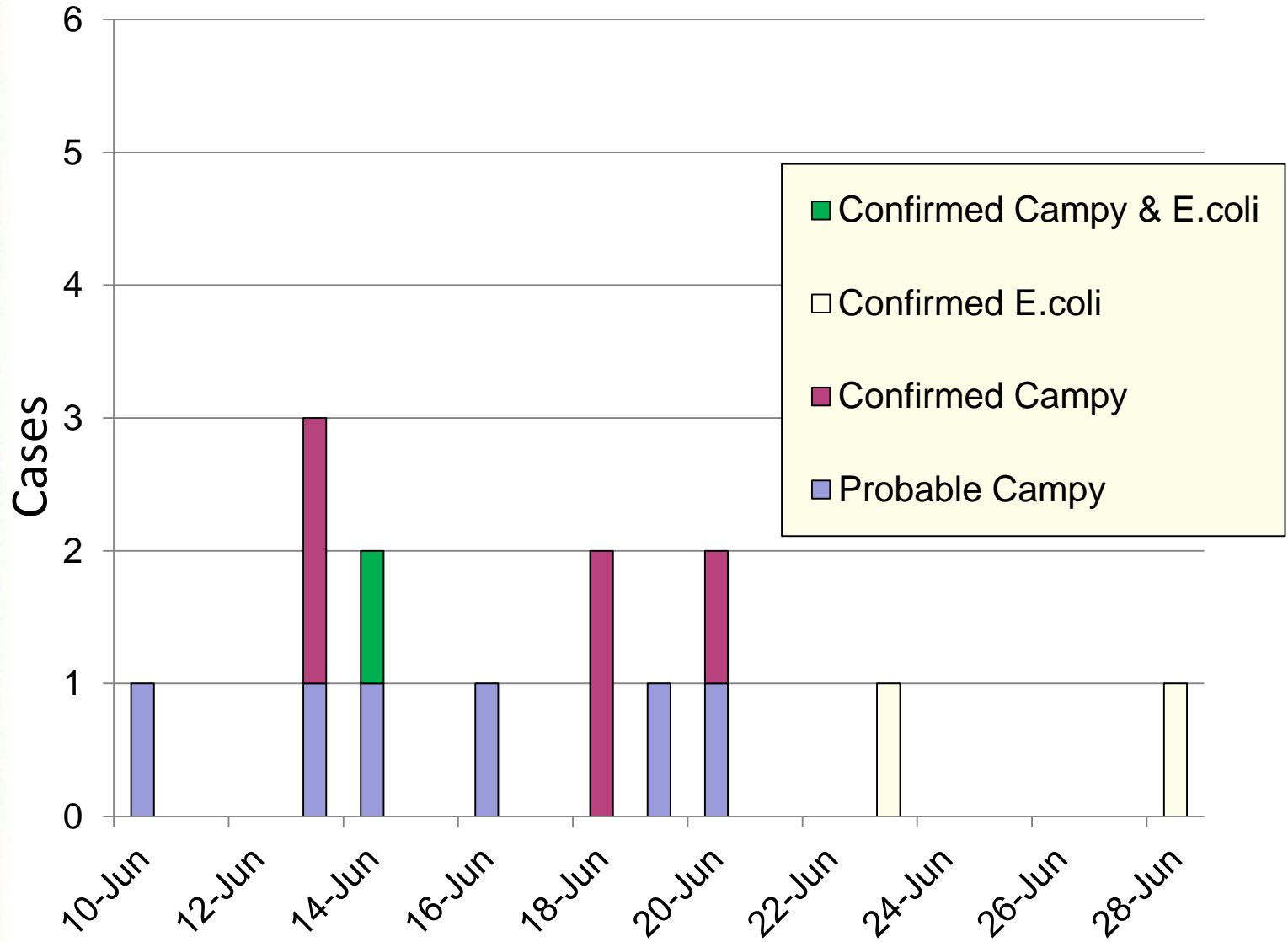
June 28, 2010



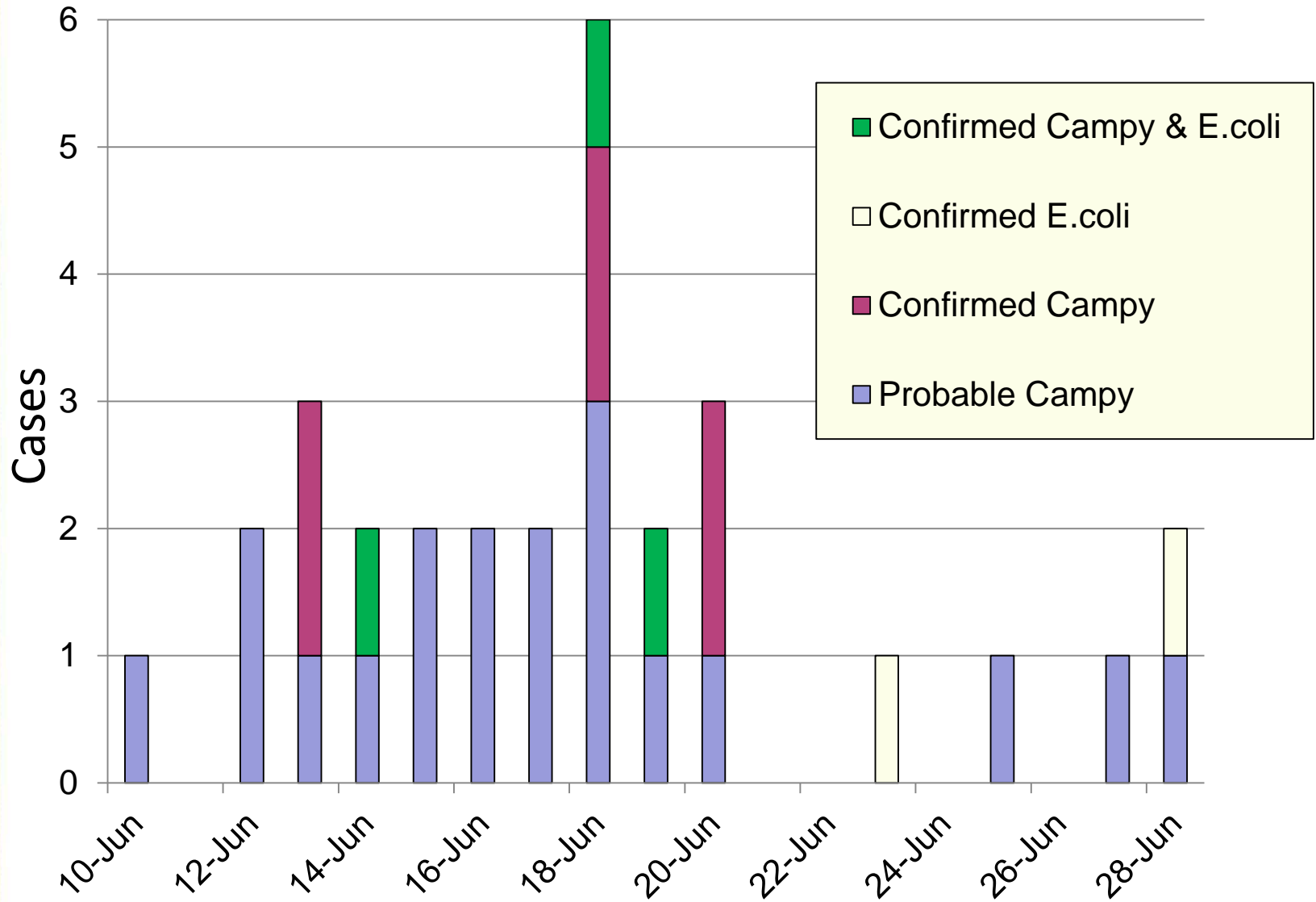
Billy Goat Dairy Outbreak

Gastrointestinal Illness Onset

June 30, 2010



Billy Goat Dairy Outbreak Gastrointestinal Illness Onset July 6, 2010



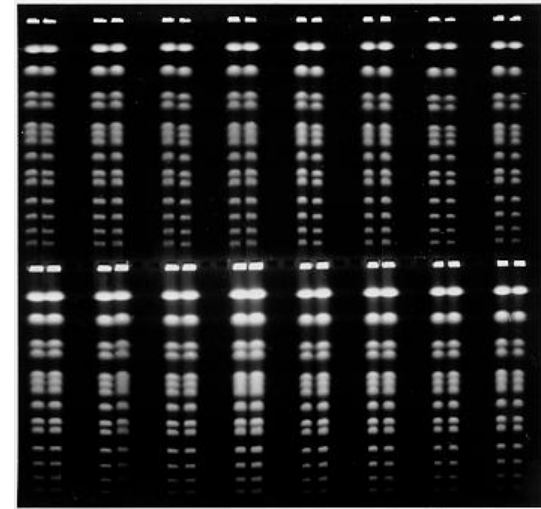


Making the Link



PFGE Matches

- **Campylobacter**
 - Milk from shareholders home
 - 9 confirmed cases
 - 4 goat feces samples
- **E.coli O157:H7**
 - 5 confirmed cases
 - 2 goat feces samples



Costs of the Outbreak

BCPH
\$22,000



CDPHE
\$17,000

PATIENT
COSTS
\$315,000



TOTAL
>\$352,000

Why do people choose Raw Milk?



More
Nutritious
(91%)

More Natural
(73%)

Lactose
Intolerant
(70%)

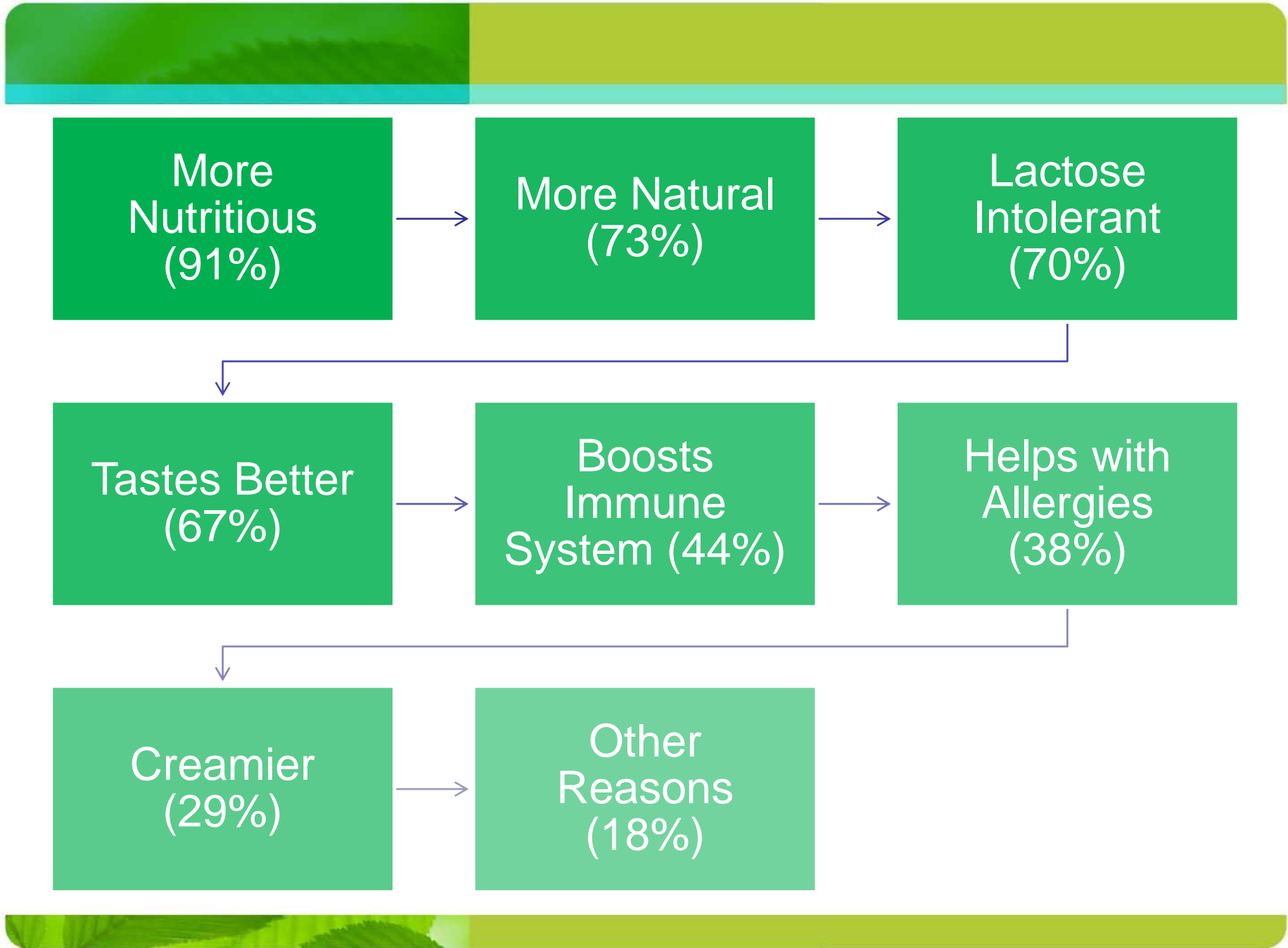
Tastes Better
(67%)

Boosts
Immune
System (44%)

Helps with
Allergies
(38%)

Creamier
(29%)

Other
Reasons
(18%)



Family Story

Thank you!

