

# Food Safety in the Modern Context

128<sup>th</sup> AFDO Annual Educational Conference

Jason R. Evans, Ph.D. Dean, College of Food Innovation & Technology

## How do people get better at life? **Learning from FAILURE** How does society improve over time? **Tragically, SAME ANSWER**

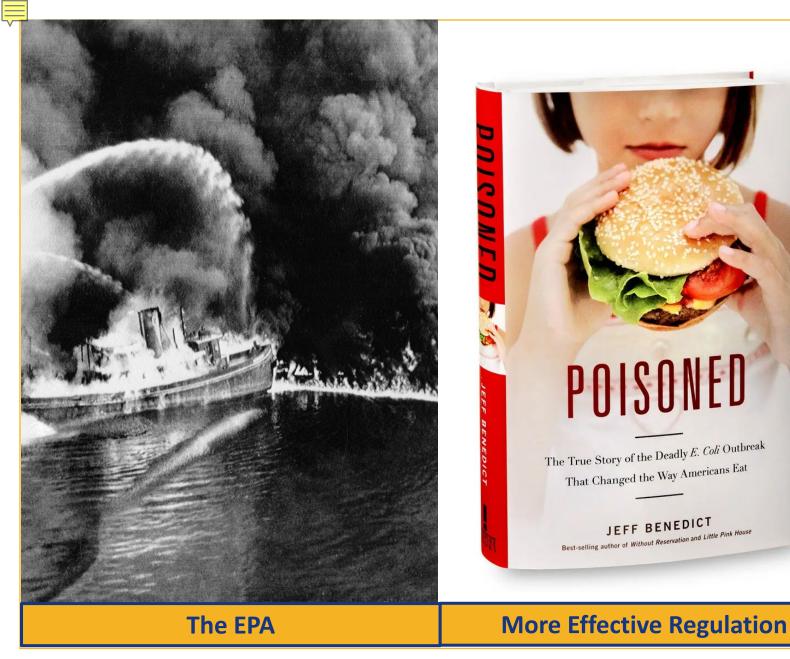


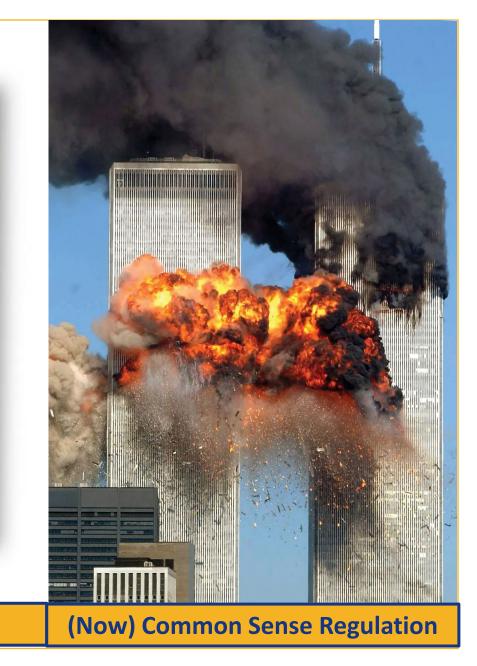


Modern Workplace Safety

**UN: Collaborative Peacemaking** 







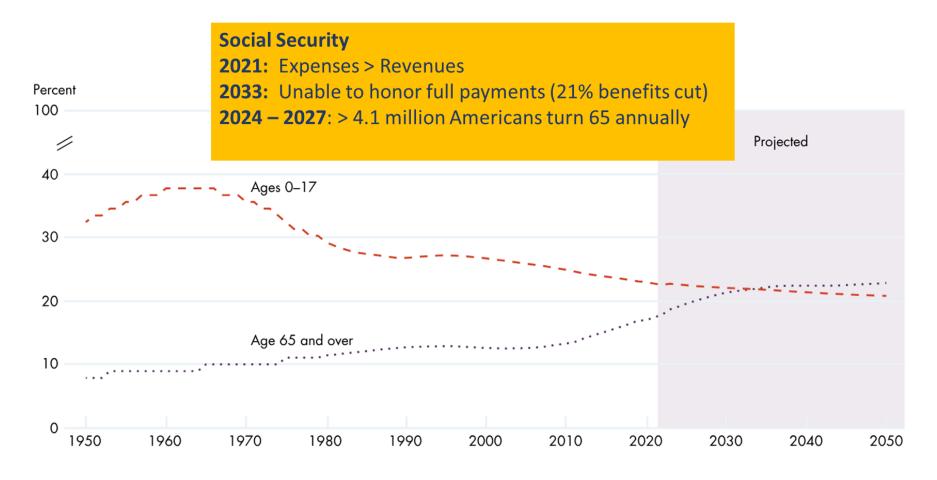
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## Basically, we've the foresight of a European Starling. Maybe.

In this experiment, we found that European starlings (*Sturnus vulgaris*) could learn to use a bitter taste to predict the amount of toxin that individual prey contained and use that information to preferentially ingest less toxic prey to maximize their nutrient intake relative to the amount of toxin ingested. Our results suggest that bitter tastes could evolve as reliable signals of toxicity and can help to explain why many toxins taste bitter. -- *Skelhorn & Rowe, Proc. Biol Sci., 2010* 



## ...which doesn't bode well for us in a complex world with lots of super fun distractions





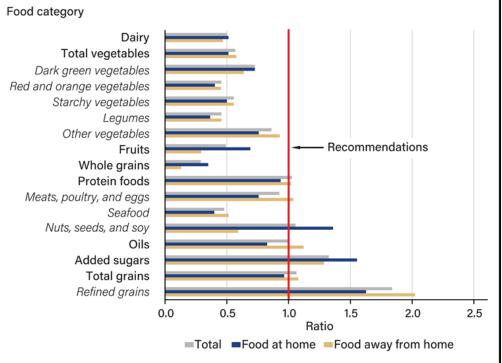
#### Dietary quality of U.S. consumers aged 2 and above by food category, 2017-18

USDA Economic Research Service U.S. DEPARTMENT OF AGRICULTURE



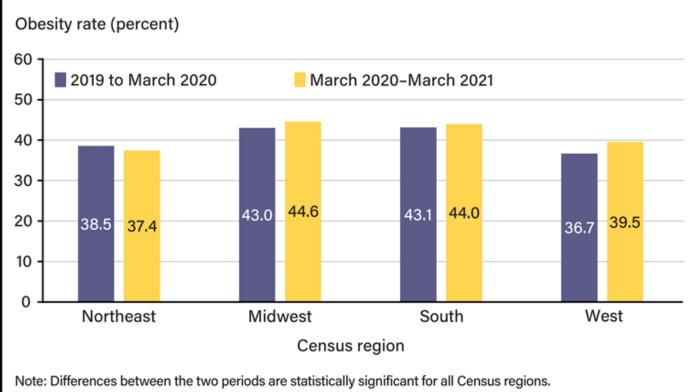


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Note: The ratio is the actual consumption densities calculated from comparing survey data to the Federal recommended densities for a diet of 2,000 calories. Density is the amount of food consumed per 1,000 calories.

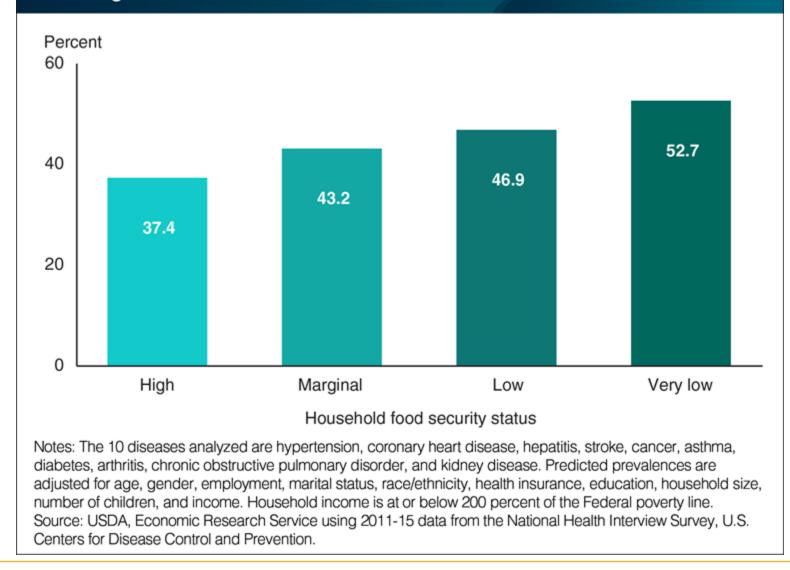
Source: USDA, Economic Research Service using data from USDA, Agricultural Research Service and U.S. Department of Health and Human Services 2017-18 What We Eat in America, National Health and Nutrition Examination Survey. Dietary benchmarks based on Dietary Guidelines for Americans 2020-25.



Source: USDA, Economic Research Service based on data collected by Behavioral Risk Factor Surveillance System.

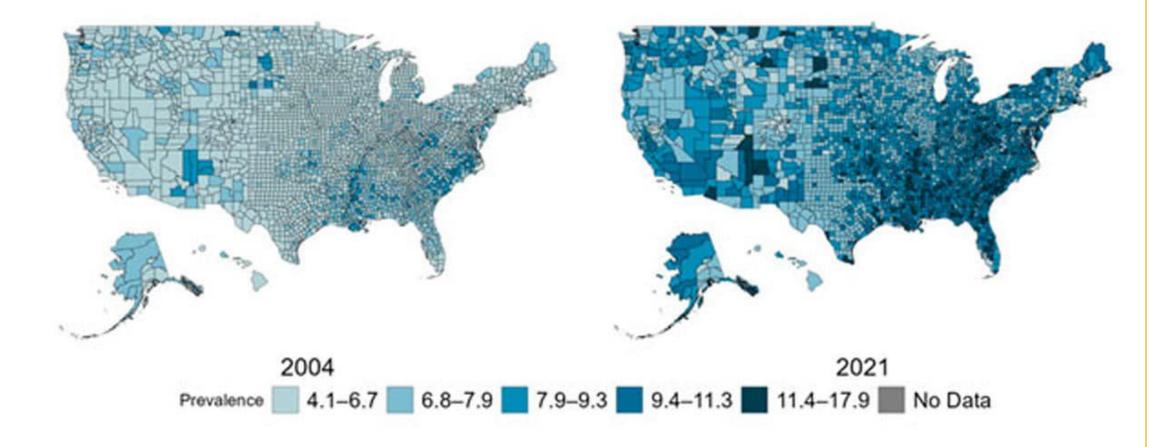


#### Predicted prevalence of one or more of 10 chronic diseases among low-income adults ages 19-64

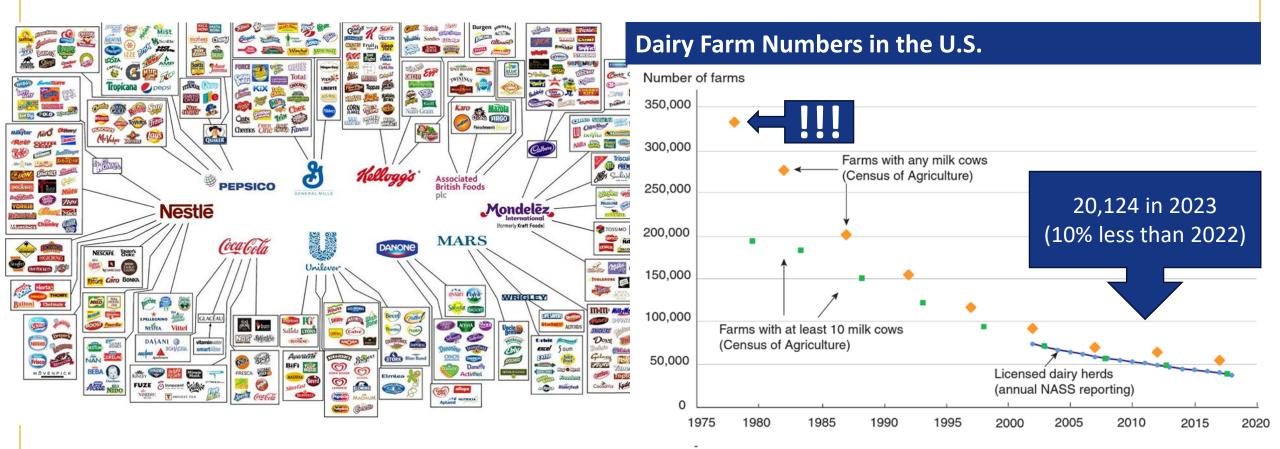




#### **County-level prevalence of diagnosed diabetes among adults aged 20 years or older, United States, 2004 and 2021 (CDC)**





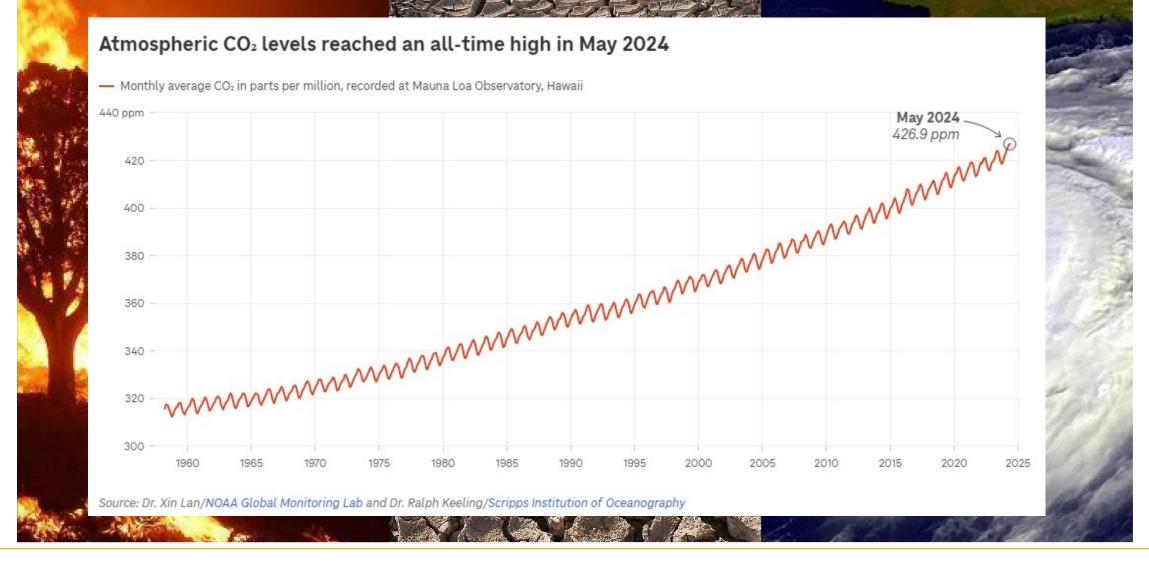


Sources: USDA, Economic Research Service using data for licensed dairy herds from USDA, National Agricultural Statistics Service (NASS), *Milk Production* February Issues, 2002-19; and for farms with milk cows from NASS, Census of Agriculture.

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#### And then...the mother of all "oh, s\*\*\*" moments

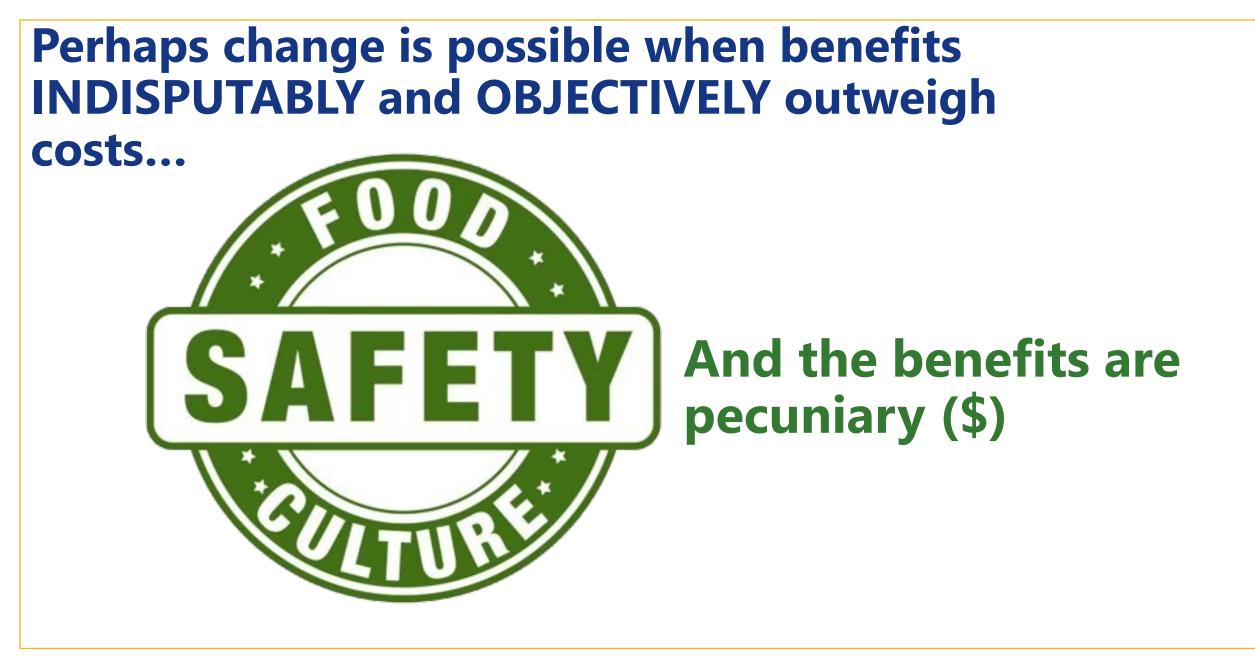




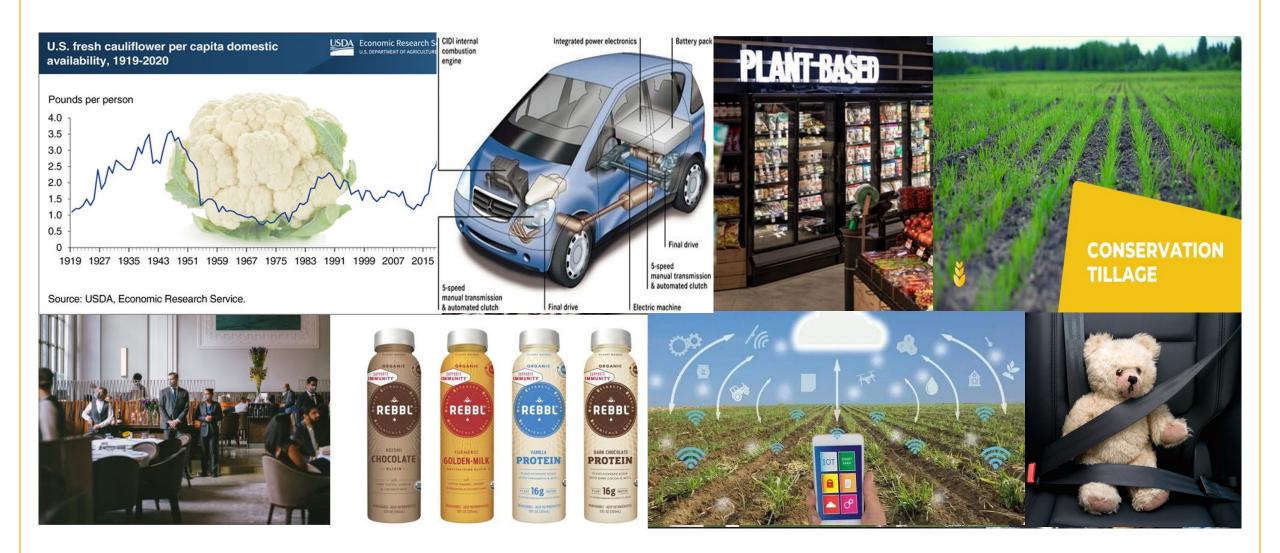
#### **Do we collectively have** the stomach for HARD STUFF ...even in the face of crisis?











#### Low/No-Cost Culture-Changing Strategies

#### Leverage the GOOD

- Lay out processes, priorities and expectations clearly, with well-defined (and well-justified) structure
- Genuinely commit to and celebrate diversity(in all.of its derivations) in your system
- Continually message and celebrate the "SAVE THE WORLD" / altruistic / global components of your mission
- Establish clear metrics for performance—then provide feedback often
- Create "management track" and other clear pathways for promotion/advancement to create stability for employees

#### Manage the BAD

- Reporting structure and process for complaints/issues MUST be clearly articulated as part of SOP
- Invest real resources in team building outside and inside of the work
  context—and lead the pack. HR MUST
  BE PERCEIVED AS PART OF THE TEAM
  to effectively manage conflict.
- WORK DILIGENTLY to LIVE the MISSION YOURSELF
- Communicate creatively, engaging modern graphic and virtual tools
- Provide a safe space to fail in training/onboarding processes---then inspire innovation around continual improvement from the ground up

If work is perceived as unimportant, make it important. Incentivize buy-in and good ideas.

Show humanity and interest in employees as people. Life events and communication that goes beyond work-relevant.

Inspirational figures have neve gone out of style

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#### Low/No-Cost Culture-Changing Strategies Adopt the CHEF mentality

- Continually PROVE the benefits of *mise en place* by calling out time and \$ savings (organization/preparation IS habit-forming)
- ✓ Model effective and efficient communication, including task confirmation

Record keeping and system-wide instant communication pathways (CA LGMA Romaine Test & Learn)

 Blend age-old practices (handwashing) with tech-advanced, more "gamified" approaches that reinforce personal ownership (and facilitate incentivizing good behavior)

JWU's digital check-sheet w/ dashboard, data store and Bluetooth connectivity

Team-reinforced accountability through blend of individual and team consequences for failure

### Adopt the CHEF mentality

- Training focused on core concepts (techniques/skills) that transfer across tasks (and never forget the "why")
- ✓ Put FACES to the results of good work
- Remember that the line cooks model the head chef and will develop their habits
- Engage team in thinking about how to accommodate changing consumers, changing trends, changing employees and employee needs
- In food establishments, consider actual chef-focused professional development opportunities for team members (over time...the chef "ethos" = food safety gains)

For regulatory, think of actual chef-trained professionals as ideal candidates. Partner with food/culinary-focused academic programs to encourage food safety careers. I might suggest JWU.

## **THANK YOU**

#### @JWUFoodInnovation

