

April 28, 2014

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# What's on Today's Menu

- Flavor as a catalyst for positive dietary change
- Current science on culinary spices and herbs and their potential to improve health
- Translation of science to the table through positive and practical strategies
- Capturing opportunity for spices and herbs as key to helping achieve dietary goals and improve overall health

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Consumers think of food as a MEANS OF HEALTH and part of their PERSONAL IDENTITY

> **66%** believe that the foods they eat make a statement about their **personal values**

Source: StrategyOne, We Are What We Eat: Personal

Positive Nutrition vs. Avoidance

Nearly two-thirds (63%) of adults want to

know what to eat, instead of what not to eat

Source : FMI, Shopping for Health 2011

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# The Bonus of Plus Instead of Minus

It appears more important to increase the number of healthy foods regularly consumed than to reduce the number of less healthy foods regularly consumed.

Michels & Wolk, International Journal of Epidemiology, 2002.

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#### **Nutrition and Dietary Therapies**

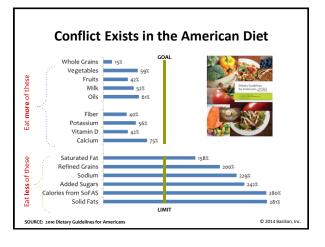
#### Nutrition and diet play a role...

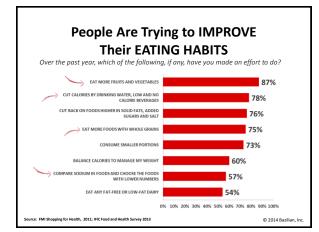
- in 6 of the 10 top leading causes of death
- in 2 of the 3 preventable causes of death
- · in a host of chronic and debilitating health conditions and diseases
- to under-nutrition. . . even when overfed
- in promoting healthy weight, wellness, high quality of life, and longevity

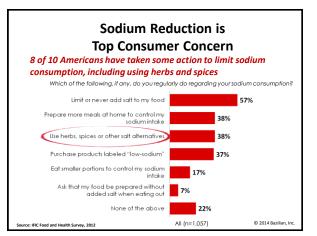
Overall, 2.7 million deaths are attributable to low fruit and vegetable intake.

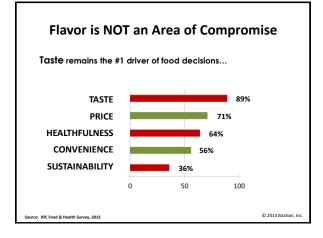
Source: WHO and CDC

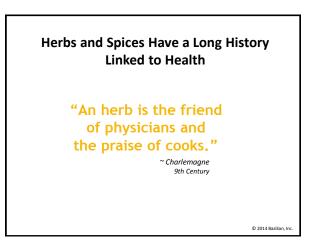
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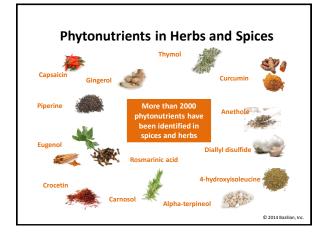


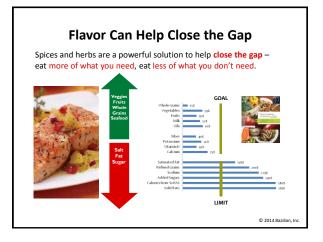
#### Renewed Interest in the Potential Health Benefits of Spices and Herbs



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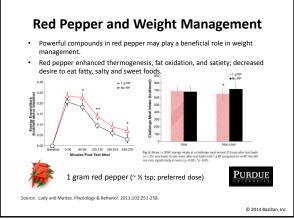
# Flavor assists the Dietary Guidelines

Supports all 5 major recommendations











Red Pepper

Image: Sprinkle Value of the spoon crushed red pepper (cayenne or paprika) or ¼ teaspoon crushed red pepper to hummus.

Image: Sprinkle paprika over deviled eggs, tuna or chicken salad.

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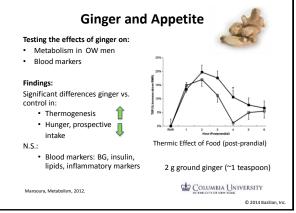
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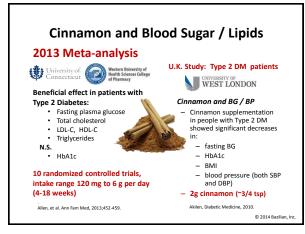
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Science to the Table

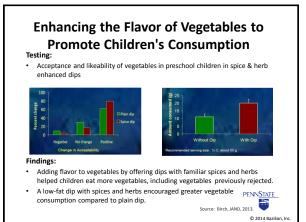












#### Science to the Table

## **Flavored Dips**

#### Tips / Strategies:

- Use low fat Greek or regular yogurt as a base for creamy savory and sweet dips using honey and ginger or dill and garlic.
- 2) Add paprika or cayenne to hummus and cumin to black bean dips.
- 3) Make kid-friendly vinaigrettes and healthier ranch dips flavoring them up with herbs and spices.
- Oregano, garlic powder and crushed red pepper can kick-off a pizza-inspired dip.

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## Spices/Herbs and Reduced-Fat Meals

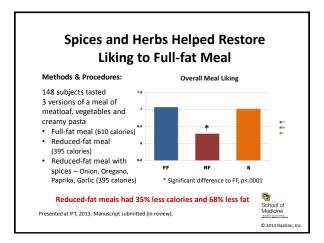
#### Testing:

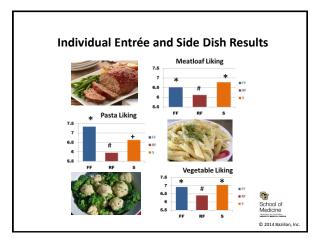
 Whether enhancing the flavor of reduced fat/saturated fat food through the use of spices and herbs can improve overall liking.



Presented at IFT, 2013; Manuscript submitted (in review).

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# Science to the Table Reducing Fat and Calories with Herbs & Spices

#### Tips / Strategies:

- Choose extra-lean (95% FF) beef or turkey instead of lean (80% FF) and add 2 tsp herbs/spices per 2 pounds meat in meatloaf, burgers taco meat or meat sauce.
- Try garlic powder, onion powder, and dill and reduce butter (or choose olive oil) on vegetables like broccoli and cauliflower in place of using butter and salt.
- Use tomato based sauce instead of cream sauce on pasta and stir 1 teaspoon dried oregano leaves into 2 cups low sodium jarred (or homemade) tomato sauce.
- In cream sauces, choose low fat milk instead of cream and try garlic, onion powder, Italian seasoning, chervil, chives or other blends in place of salt.

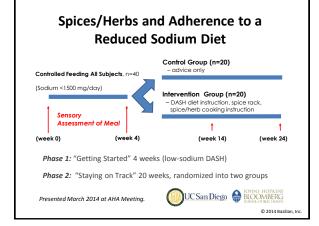
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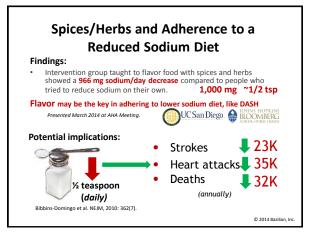
# Spices/Herbs and Adherence to a Reduced Sodium Diet

#### Testing:

 Whether the current recommended sodium intake can be maintained with a behavioral intervention encouraging the (low sodium) DASH diet enhanced with herbs and spices.







#### Science to the Table

# Spices/Herbs in a Reduced Sodium Diet



#### Tips / Strategies:

- Shake garlic powder. Stir into mashed potatoes, add to pasta sauces, or mix into bean dips and marinades for fish or chicken.
- In salad dressings, instead of salt, get the punch of flavor from a little lemon juice or balsamic vinegar. Add some Italian Seasoning blend or a mix of oregano, black pepper, and a hint of cayenne.
- Purchase salt-free jarred tomato sauce and limit the salt you add to 1/4 teaspoon per 2 cups max and add garlic powder, black pepper, oregano and thyme.
- Sauté, grill or roast veggies in a mix of olive oil and salt free seasonings – homemade mixtures or salt-free blend from the market
- 5) Instead of salt in your morning eggs, use thyme and black pepper.



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