



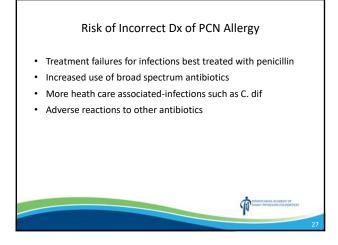
Alternating Ibuprofen and Acetaminophen? - 0.27° C lower at 1 hour with combination - No improvement in comfort - AAP advise against routing combination - May increase risk for kidney or liver injury - Different doses and intervals Paedar Cliff Health, 2014 Dec. 19(10): 531-532

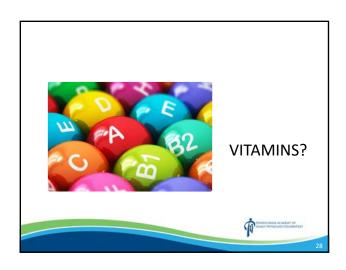


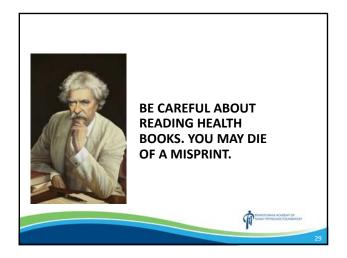


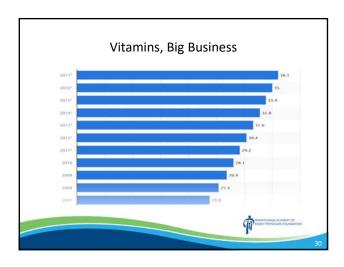
Risk of Penicillin Allergy 10% of population reports PCN allergy 90% of these have no IgE sensitivity Significant IgE mediated allergy less common due to less parenteral PCN Severe anaphylactic reactions to oral amoxicillin rare

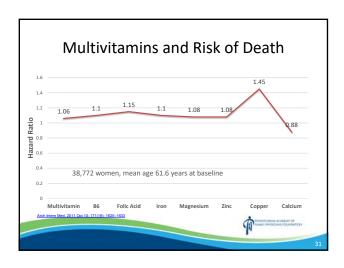
LOW Risk Gastrointestinal symptoms Solely based on family history Pruritus without rash Yeast infection Fine popular rash



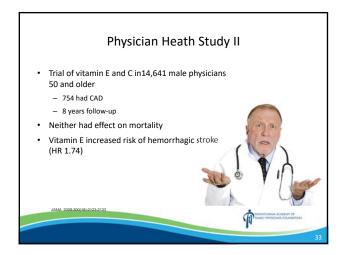


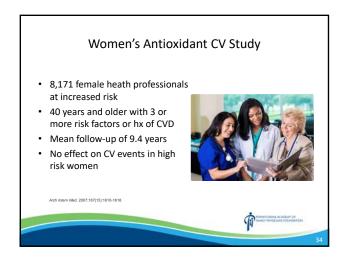


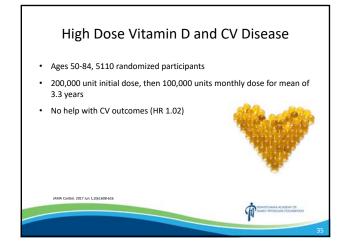


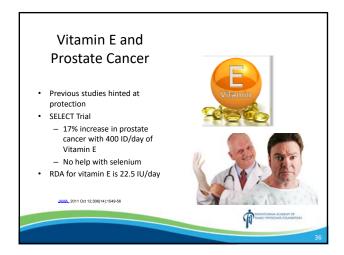


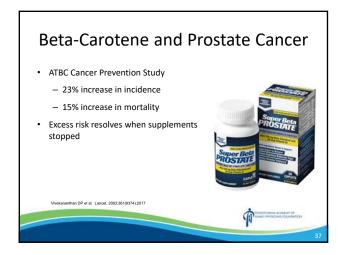
Antioxidant Vitamins Vitamins A, C, and E plentiful in fruits, expecially berries Male smokers taking vitamin A more likely to get lung cancer 2007 study of 68 randomized trials of antioxidant supplements showed 5% increase in mortality Wheat germ has highest vitamin E of any actual food, yet most vitamin E tablets have 10 times the E.

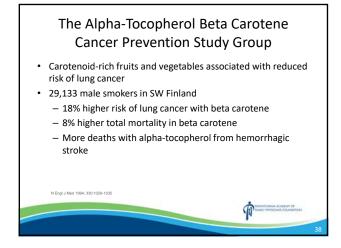


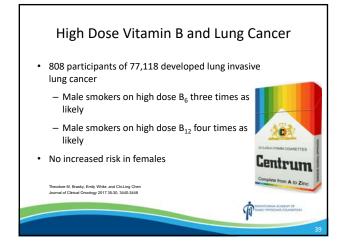


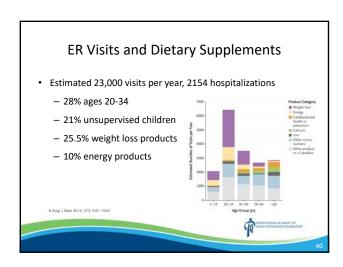


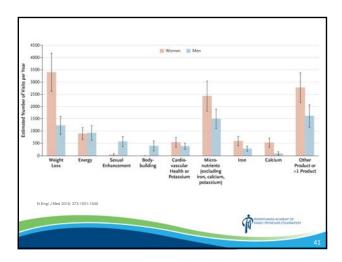




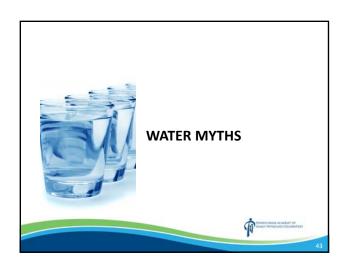




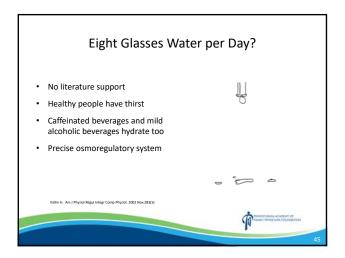


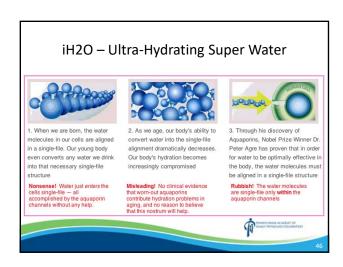




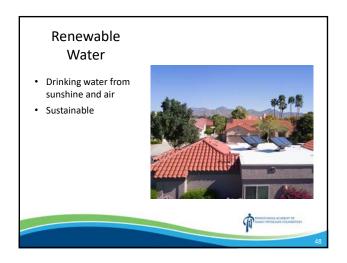




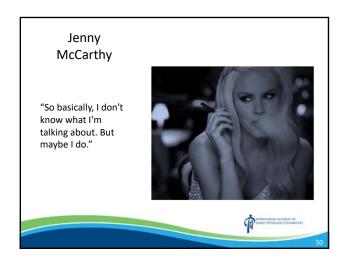








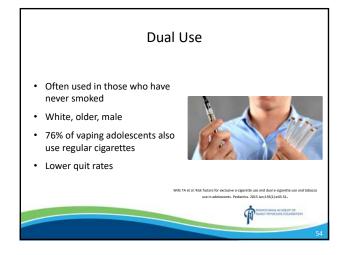


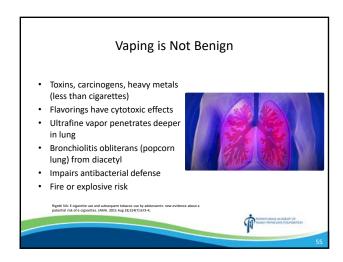


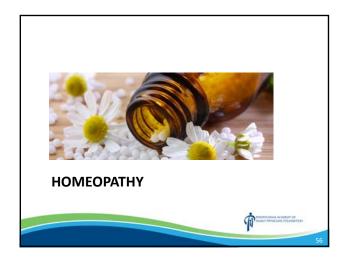


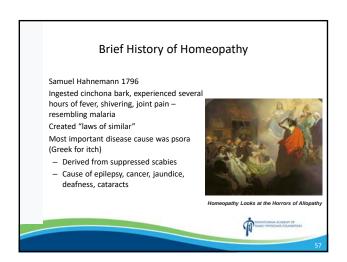


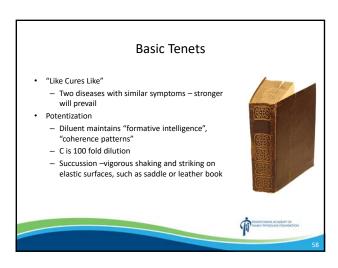


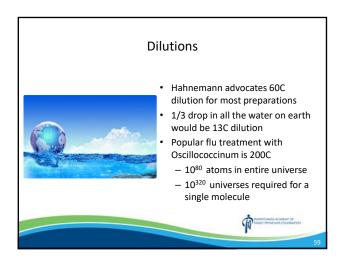


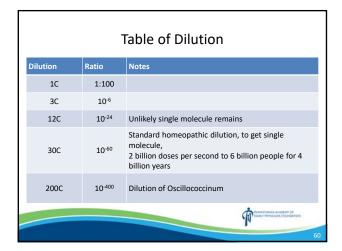


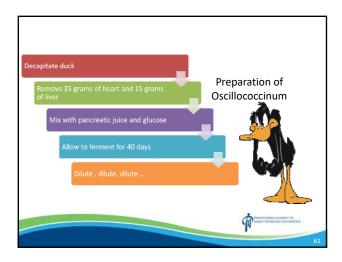






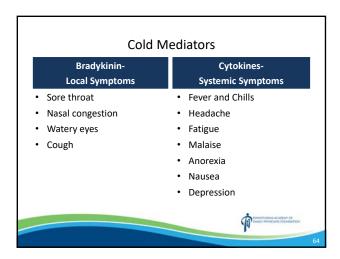


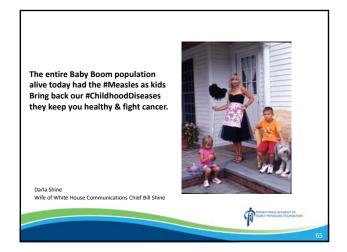






Do We Need Immune "Support"? • Most people have highly effective immune systems • Most clinical problems we face are too powerful immunity - Asthma, eczema, cytokine storm • Immune system can be misdirected - Inflammatory arthritis, DM- type 1 • Scant evidence that immunity can be boosted



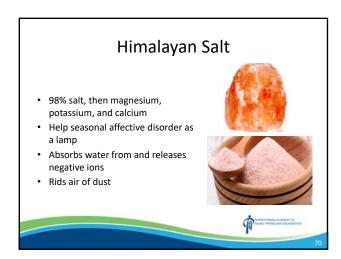


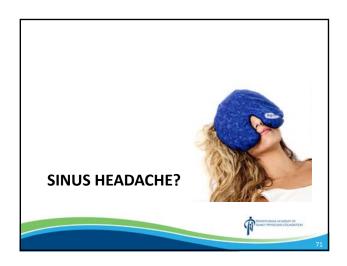


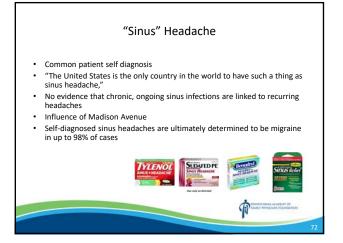


SOLD Out! "increase chi, orgasms, vaginal muscle tone, hormonal balance, and feminine energy in general." Porous, can house bacteria Goop agreed to pay \$145,000 in civil claims.

Toxifying Foot Pads Removes toxins, restore "balance" within the body, and boost energy. Strengthen the immune system, reduce stress, improve circulation, improve sleep, enhance mental focus, relieve headaches and arthritis pain. Distilled water also darkens pads.







Why the Misconception?

- Both sinus headache and migraine attacks can be triggered by weather changes
- Sinus headaches and migraine attacks can produce pain in the same areas
- $\bullet\ \$ Both can cause drainage and other sinus symptoms such as teary eyes.
- TV ads tout the "sinus headache"



Self-Reported or Physician-Diagnosed "Sinus" Headache Study

- 2991 patient with self or physician diagnosed "sinus" headache
- Most common symptom sinus pressure (84%), sinus pain (82%), and nasal congestion (63%)
- 80% were migraine and 8% migrainous

Arch Intern Med. 2004;164(16):1769-1772

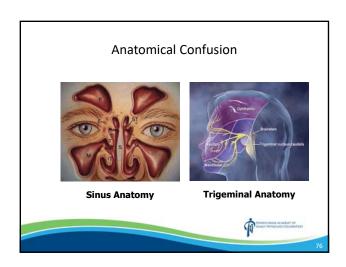


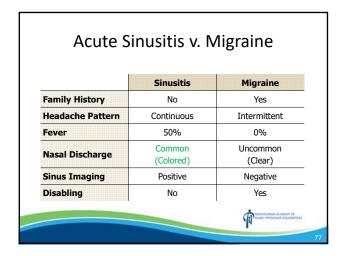
Autonomic Symptoms in Migraine

- 45% of migraine attacks have at least one autonomic symptom
 - 45% both nasal congestion and ocular symptoms
 - 21% nasal symptoms only
 - 34% ocular symptoms only
- Parasympathetic activation of the sphenopalatine ganglion
 - Innervates tear ducts and sinuses













Why These Ads? Only USA and New Zealand Outlawed in most countries in 1940's Every one dollar spent on ads generates four dollars in sales Increases sales 9x over non-advertised meds 80 ads/hour Have ignored advise to fully informing physicians first Requested med is prescribed 44% of time

