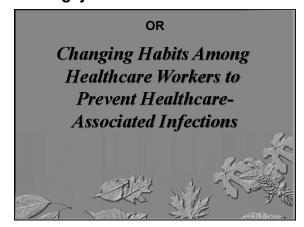
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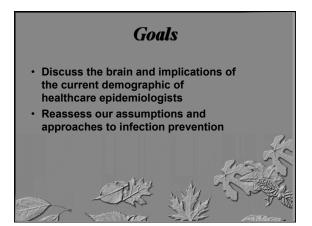
Getting the Most Out of Our
Frontal Lobes:
What We Don't Know (or Forget)
Might Hurt Us

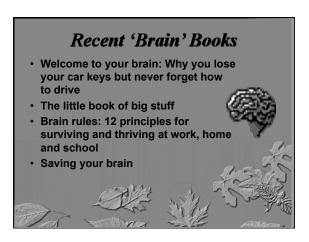
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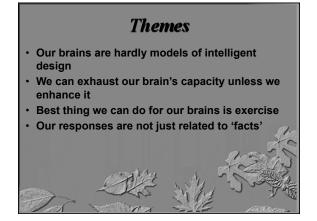
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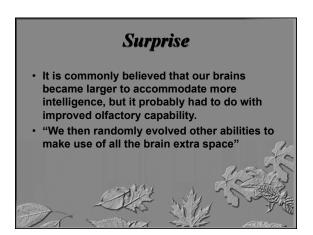
Hosted by Paul Webber
paul@webbertraining.com
January 21, 2011



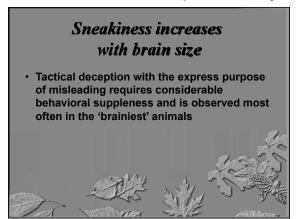


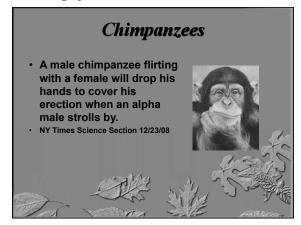


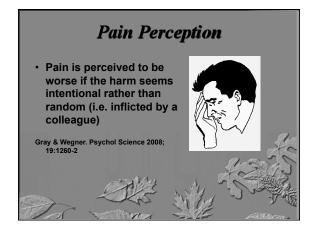


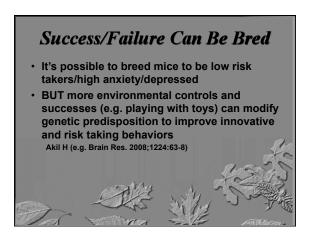


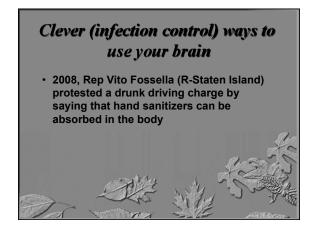
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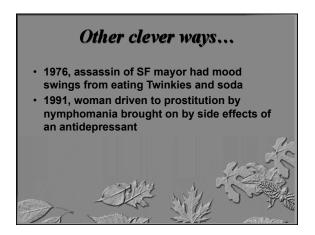




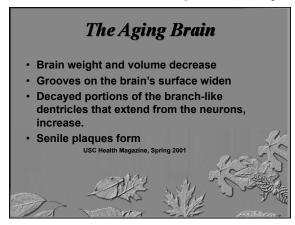






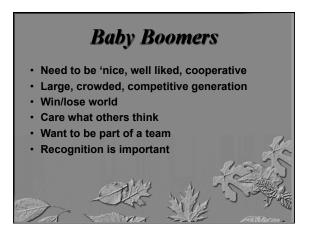


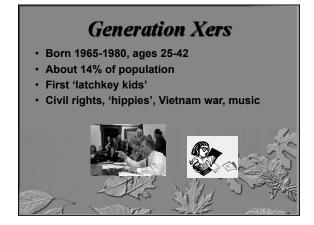
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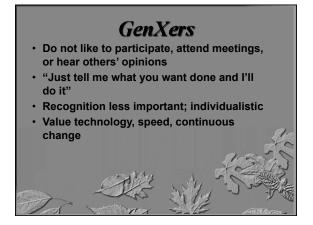




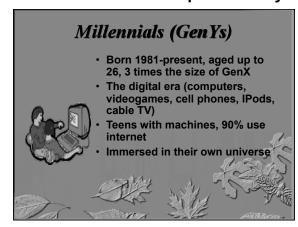
Baby Boomers Born ~1945-1964, currently ages 43-60+ Greater than one-fourth of population Influenced by WWII Television Contraception (~1960) Ed Sullivan, The Beatles Space flight

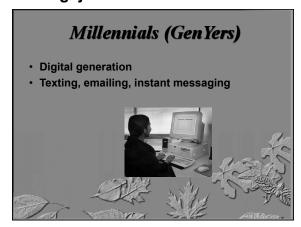


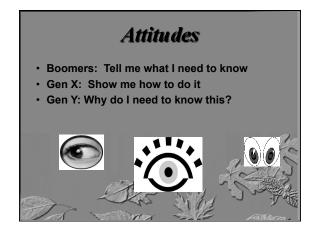


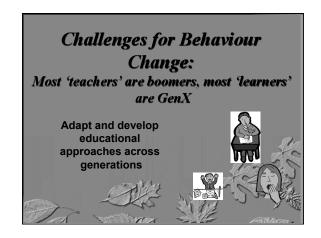


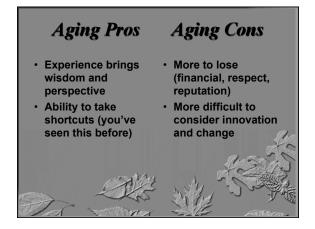
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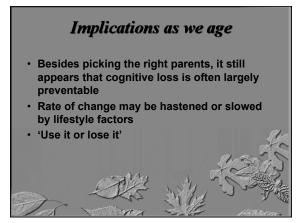


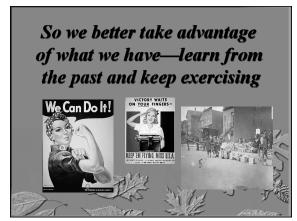


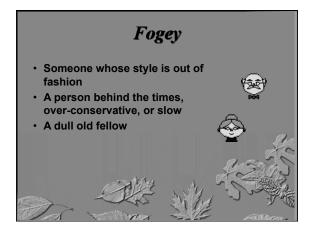




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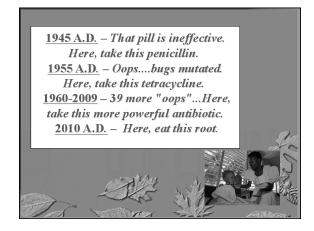




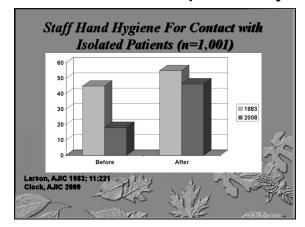
The History of Medicine (http://www.who.int/infectious-disease-report/2000/index.html)

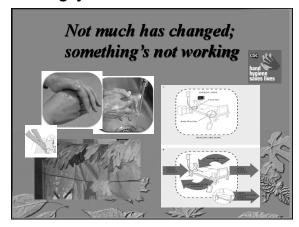
2000 B.C. – Here, eat this root
1000 A.D. – That root is heathen. Here, say this prayer.
1850 A.D. – That prayer is superstition.

Here, drink this potion.
1920 A.D. – That potion is snake oil. Here, swallow this pill.



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"NIH stands for National Institutes of Health, not the National Institutes of Biomedical Research.."

"..the enormous resources being put into biomedical research, and the huge strides made in understanding disease mechanisms, are not resulting in commensurate gains in new treatments, diagnostics and prevention..."

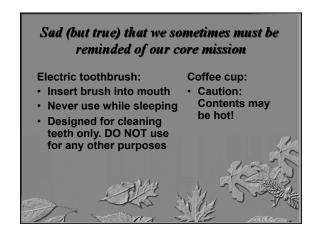
"In some sense much translational research is just rebranding—clinical research and development by a different name...the term 'translational research' first appeared in PubMed in 1993.."

Nature 453, 840-42 (2008)

Thoughts for Infection Prevention

• Traditionally, translational research has gone from bench to bedside
• 'There is much to be learned by pushing the other way'

(Nature 453, 843-45 (2008)

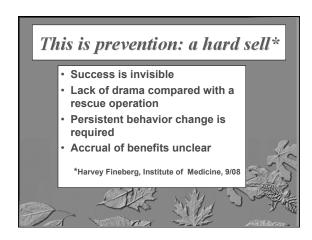


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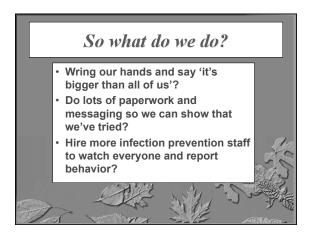
Imagining music... • Activates the auditory cortex almost as strongly as hearing music* • Imaging the future of infection prevention • Sacks O. Musicophilia. NY: Knopf, 2007

What do we assume about infection? • Germs are everywhere • Hospitals are dangerous places • The more degrees you have the less you wash your hands • Microbes are wily change artists and get ahead of any antibiotic devised

What do we know? Excellent hygiene practices reduce infection Universal precautions only work when they are truly universal: Every patient Every worker Every time Infections don't all start in hospitals, but they certainly can enjoy life there!

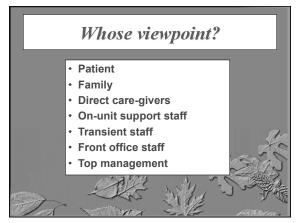


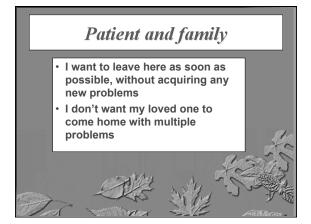
It's also a tough environment High uncertainty, high risk work Hierarchical, highly structured communication patterns Strong professional but weak institutional identity and loyalty Perceived or real variance in goals among staff and administration

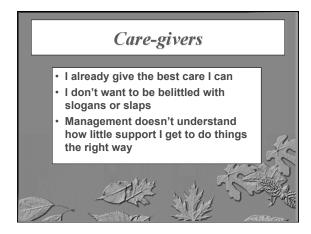


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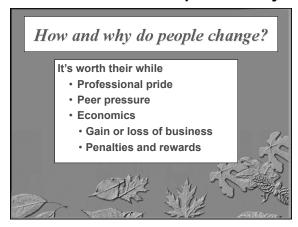


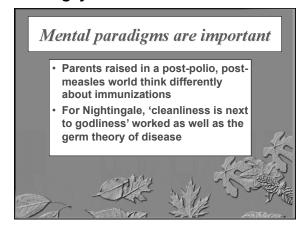


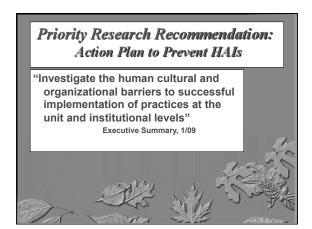
Support Staff 'They' require more paper/computer work that keeps me from having time to think Every unit has at least one 'do it my way' person No one ever explains things to me I'm too busy to think about this

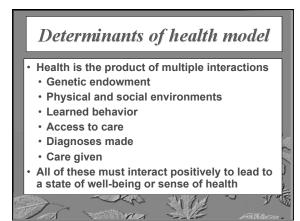
Front office and top management We're punished for things beyond our control Clinical staff don't appreciate how much we're doing for them It can't be that hard to get everyone to clean their hands I'm tired of excuses I thought we fixed this with the last consultant we hired

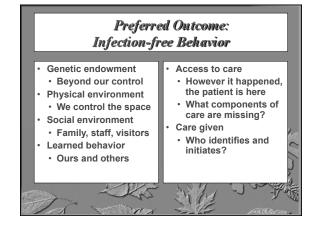
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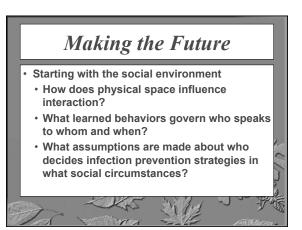






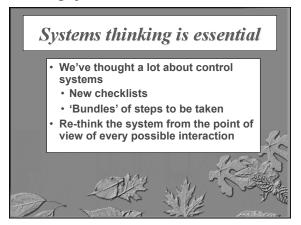


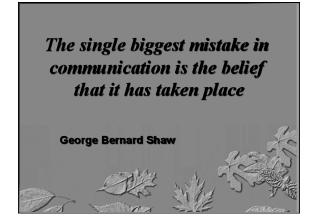


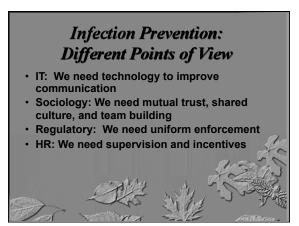


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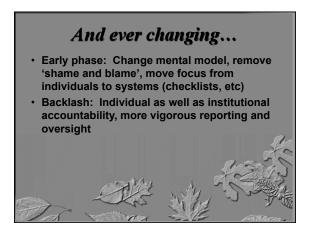
What about learned behavior? • Physicians and nurses • When and why do they decide to attend to infections? • Who helps them acquire new behaviors? • Family members and patients? • Support staff: Record keepers? Housekeepers?



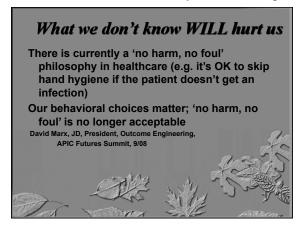


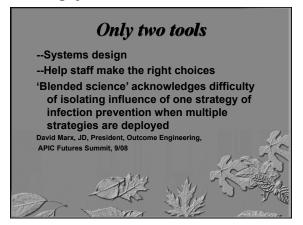


Infection Prevention: Reality • It's a complex problem • Approaching prevention from one viewpoint means we are a little right and mostly wrong Adapted from Wachter RM, UCSF

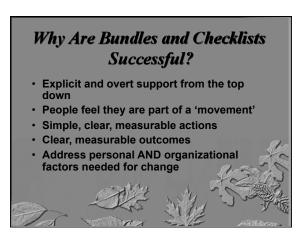


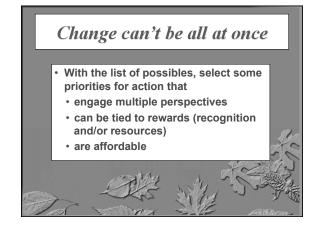
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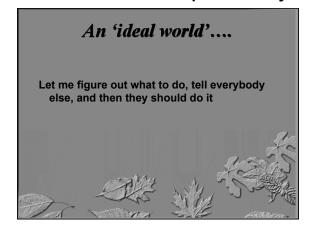
No patient should be harmed by an HAI Targeting zero infections is a laudable goal Infection prevention must be an organizational goal Chief executives must deliver clear expectations, set goals and provide necessary resources Everyone is responsible





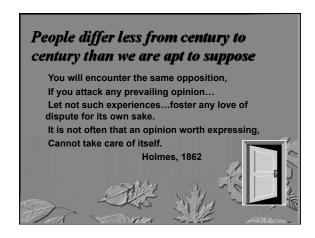


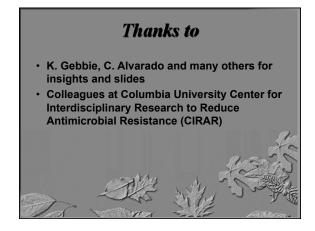
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Sociology of Healthcare Epidemiology Major challenges are systemic, inter-personal and interprofessional, not scientific







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