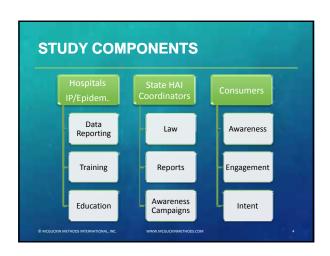
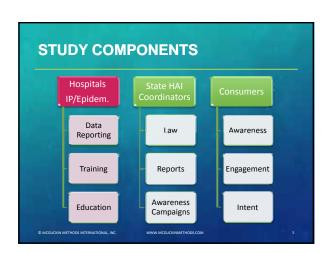
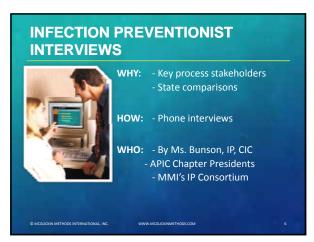


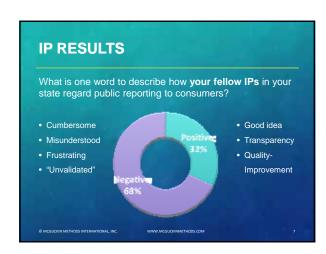
OUTLINE 1. Background /Study Components 2. Infection Preventionist perspectives 3. Epidemiologist perspectives 4. State HAI Coordinator perspectives 5. Consumer websites usability 6. Consumer awareness, engagement, and intent

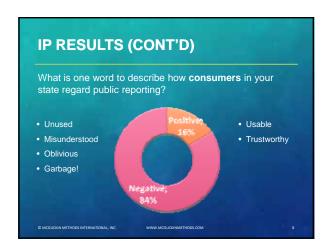
| • Little is | s known about the extent to which the public actually |
|-------------|---|
| | about HAI information and if they use it. |
| | time of our study, 34 states have laws requiring hospitals ort HAI rates (shown in red). |
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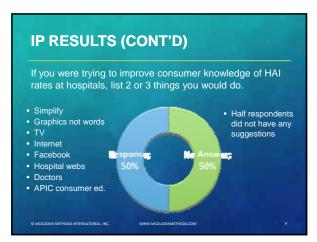


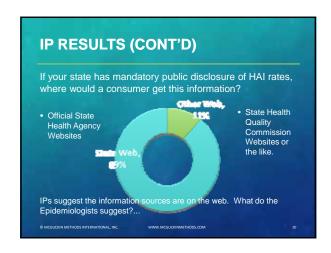






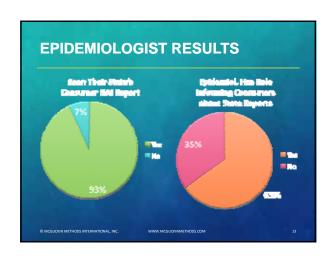


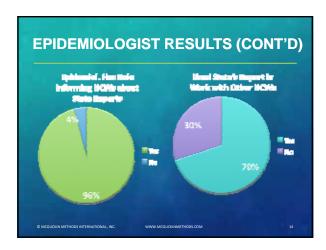


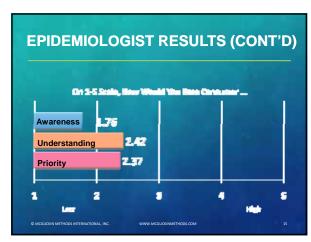




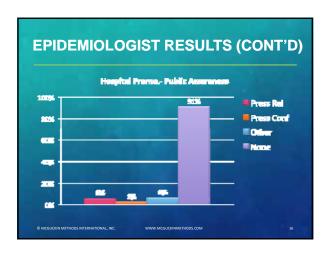
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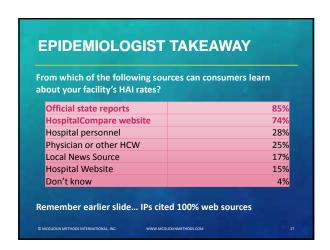




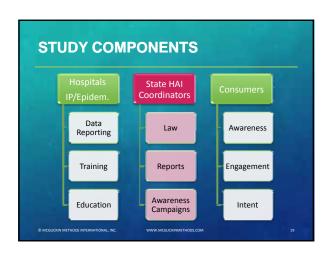


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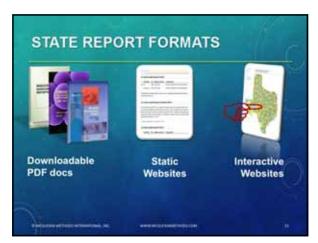


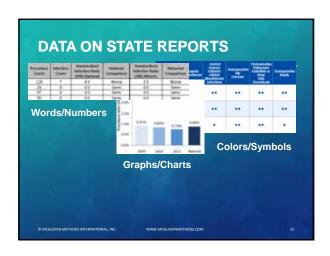


| hich departments at you formation on HAI rates to | r hospital are involved in providing patients? |
|--|--|
| nfection Prevention | 81% |
| Quality Assurance | 36% |
| Patient Safety | 28% |
| Administration | 23% |
| Vone | 17% |

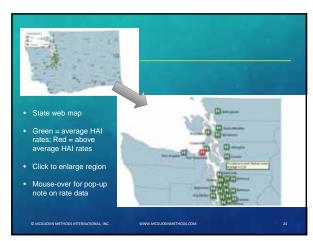


STATE HAI COORDINATOR INTERVIEWS • 32 States have disclosed reports at time of study • Phone and Internet interviews, 28 states • Design and disclosure • Awareness promotions • Consumer feedback • 1 declined interview, 2 did not respond • Information used from websites

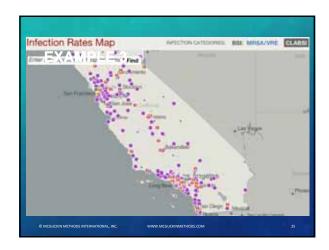


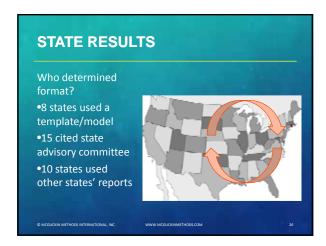






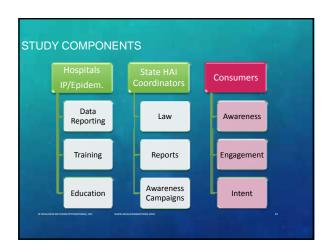
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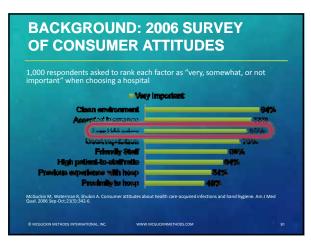




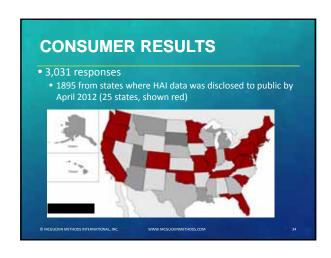






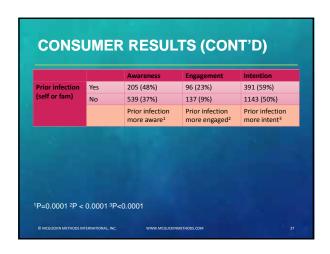


CURRENT CONSUMER SURVEY METHODS • Non-incentive random phone survey of 3,000 consumers in 48 States/DC • Time: Three waves, April – May 2012 • Age: 18 years and older • Gender: 50/50 (m/f) response pool Contracted with ORC/International **CONSUMER METHODS (CONT'D) Design: 12 questions in three parts:** 1.Demographics 2.Awareness of law and HAI reports 3.Decision-making and HAI data **CONSUMER METHODS (CONT'D)** DATA ANAYLSIS* •Standard socioeconomic/demographics and location •Sub-grouped by whether or not their state of residence had a publicly available. •Awareness and engagement analyzed for respondents from states with HAI reporting, •Intent to seek information for all respondents. * All p-values are for a Pearson chi-squared test for differences.

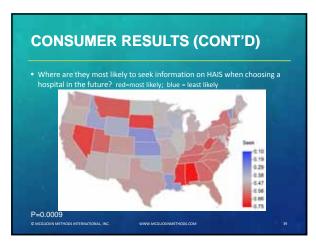


| | | ER RESUL | | |
|-----|--------|------------------------------------|------------------------------------|----------------------------------|
| | | Awareness | Engagement | Intention |
| Sex | Male | 37% | 10% | 48% |
| | Female | 42% | 15% | 55% |
| | | Females more aware ¹ | Females more engaged ² | Females more intent ³ |
| Age | 18-34 | 31% | 8% | 53% |
| | 36-64 | 42% | 14% | 52% |
| | 65+ | 38% | 11% | 52% |
| | | Older more aware ⁴ | Older more engaged ⁵ | Not significant ⁶ |

| | MOOM | ER RESU | LIS (COI | (ס'וא |
|------|-------------|--|-------------------------------------|---|
| | | | | |
| | | Awareness | Engagement | Intention |
| Educ | High Sch | 32% | 8% | 58% |
| | College | 40% | 12% | 50% |
| | Post Grad | 47% | 18% | 47% |
| | | More educ more aware ¹ | More educ more engaged ² | More educ less intent ³ |
| Inc | <\$25,000 | 30% | 9% | 60% |
| | \$25-59,999 | 39% | 12% | 55% |
| | \$60-99,999 | 41% | 12% | 48% |
| | \$100,000+ | 46% | 16% | 43% |
| | | More income more aware ⁴ | Not significant ⁵ | More income less intent ⁶ |



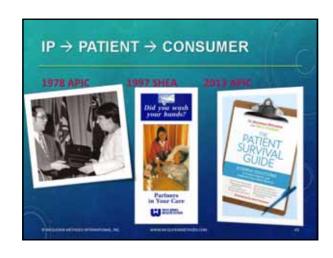
| | | Of all respondents that are aware of public reports (n=1895) |
|---|---|--|
| Which two factors would you consider most important in choosing a | Recommendation from Physician, Nurse, other health professional | 46% |
| hospital? | Reputation | 37% |
| | Insurance coverage | 34% |
| | Location or convenience | 31% |
| | Recommendation from friends or family | 20% |
| | Hospital infection rate | 14% |











ADDITIONAL INFORMATION McGuckin M, Govednik J, Hyman D and Black B. Public reporting of healthcare-associated infections: Epidemiologists perspectives. Infection Control and Hospital Epidemiology. November 2013. 1201-1203. McGuckin M, Govednik J, Hyman D and Black B. (2013b) Public reporting of healthcare-associated infection rates: Are consumers aware and engaged? American Journal of Medical Quality. January/February 2014. 83-5. Govednik J, McGuckin M, Bunson J, Hyman D and Black BS. Healthcare-Associated Infection Reports: How do states include and inform the public? Do people notice? Patient Safety and Quality Healthcare. November/December 2013. 24-31.

| • We that their si | nk the Robert Wood Johnson Foundation for apport |
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| | Grant Title: Does Mandatory Public Reporting Hospital Infection Rates? |
| Grant I | . D. : 6375 |
| Marya | nne@mcguckinmethods.com |
| Goved | nik@hhreports.com |

| ren enests to be active interaction between healthcare providers, epidemiologists and administrators of a healthcare facility and its intents to provider earl mean adaccurate information on patients afterly and not comparisons of "apples and oranges." excessions need to understand how the hospitals are compared and by what metrics we use to calculate the SIR. Bit information announcements, press released idently to media from state. **state report is only released on a year - to - year basis, so the data sometimes seems "old". I understand the need for validation and individuation which takes time, but a more intellery proper used be nice too provide the properties of the properties of the providers of the pro |
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| There needs to be active interaction between healthcare providers, epidemiologists and administrators of a healthcare facility and its patients to growed real Time and accurate information on patient safety found not comparisons of "apples and oranges," the consumers need to understand how the hospitals are compared and by what metrics we use to calculate the SIR. **Public information announcements, press released interful to media from state.** The state report is only released on a year- to - year basis, so the data sometimes seems "old". I understand the need for validation and standardization which lakes time, but a more timely report would be nice too. There has been very little publicity, so most people won't think to access it. Additionally, many people have little choice about where they are hospitalized—nuch more effected by insurance and ambulance traffic. Why hospital receives patients from at least 3 states, so comparisons at the state level are not very useful. We do comparisons with similar-type hospitals and national level. Promoting the website improve wibility and access on the state website. Difficult to navigate to the page. The state is limited and well focused. There are almost no statistically relevant differences. Good news - The public sees we are doing the state is limited and well focused. There are almost no statistically relevant differences, accuracy and sensitivity. The public highly to the hylane no lide or interest in understanding the complexity of the sizes. Gliea a better sense of what differences are real. People focus on the second decimal place, or on the number of stars, without getting a clear story over the course of years. Education Roll of risk startification Eliminate their reporting and use single, nationwide reporting process (eg NHSN, CMS) Many facilities in our state are small. Perhaps we should treal critical access hospitals in an area as a group and work on them as a group to improve rates, 25% of all hospitals in the US are CAH. |
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| Need to 1) report HAI #s that matter (ie audits) 2) present them in an easy to understand format |
| |
| |
| Our state does not have such a site. If it did I hope there would be some means of data verification and risk stratification. |
| National, standardized reports so every state doesn't reinvent the not-so-great wheel, so you can see reports by national, regional, state, city, |
| hospital etc. |
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| |
| What changes would you suggest to increase the public/consumer's awareness, use, and understandability of your state's HAI reports or |
| what changes would you suggest to increase the public/consumer's awareness, use, and understandability of your state's HAI reports of website? |
| Consumer education about basic statistics is crucial to understanding and comparing data other than a basic higher/lower or equal to other |
| institution breakdown. |
| The state website was supposed to have a lot of education for the public and explanations about rates, and why they may not be comparable |
| between hospitals, but they did not follow through with all of those initial requirements. Inform how the data are collected |
| In general, such reports need to statistically valid - not the garbage that many of the publicly reported data are, e.g. HCHAPS. HAI reports |
| usually are, but patients tend to focus on numbers and do not understand what statistically insignificant differences mean. |
| Ours were recently revised, with our input, to have a "consumer-level" and "detail-level" reports. The consumer level is pretty basic and color-coded to make it more easily understood, and I think is a step in the right direction. The discussion of precision vs. statistical |
| significance I think is still difficult for lay people to understand. |
| First step is (funded) research to evaluate approaches to improve the accessibility and usefulness to consumers of this data. |
| We provide a nice description of how the data are calculated with information about how to interpret the data. I think our state spent a lot |
| of time upfront (with various stakeholders) developing the website so it would be consumer friendly. I think it would be a good model for other states. |
| Make them relevant to the consumer, ensure reliability of reporting by the hospitals |
| The rates of HAI can be misleading and knowing the actual numbers, complexity/comorbidities/severity needs to be taken into account at the |
| time of interpretation of the HAI reports. |
| Explain the problem in simple real terms The descriptions in the sample report are understandable only to persons with knowledge of SIR and other rates. Not oriented toward first |
| The descriptions in the sample report are understandable only to persons with knowledge of Sik and other rates. Not oriented toward first level consumers and patients. |
| I don't think such an increase is necessary, valid or of any value. |
| More promotion and more user friendly. |
| Make public aware that there are major methodological problems with data that make it difficult to compare hospital data side by side. |
| Better explanations of the data - there's a bar graph "your hospital" vs. "other hospitals" where at first glance you look terrible but it turns out the confidence intervals overlap so there is statistically no difference in your rates - but the public doesn't get that. |
| pour tric commence mentano overnop so triere is statistically no difference in your rates - but the public doesn't get that. |
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| 2014 W | /HO Teleclass Schedule | |
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| January 29 Innovation and Implementation strategic approaches to reduce | May 5 Special lecture for International Hand Hygiene Day Prof. Didler Pittet, Switzerland September 3 | |
| catheter-related bacteraemia: The results of a European multicentre study (PROHIBIT) Dr. Walter Zingg, Switzerland | New WHO global campaign to eliminate unsafe therapeutic injections Dr. Benedetto Allegranzi, Switzerland | |
| March 7 How to prevent the spread of multiresistant bacteria Dr. Stephan Harbarth, Switzerland | October 8 Public reporting and disclosure of HAI rates: Positive impact or confusion? Dr. Maryanne McGuckin & Mr. John Govednik, USA | |
| April 9 Highlights on SSI prevention: The new CDC guidelines and more Dr. Joseph Solomkin, USA | November 5 Global application of behaviour change models and infection control strategies Or. Michael Borg, Malta | |

