STRUCTURAL ISSUES:
1. PATIENT IDENTIFICATION
   The bedeviling problem of “patient identification”. How should one identify patients? How could one track a patient across the continuity of care? What are the consequences of identifying the wrong patient?
2. STANDARDS AND INTEROPERABILITY
   Interoperability of health information systems – needed standards, HL-7, HISA, DICOM, … what’s missing here?
3. NATIONAL HEALTH DATA DICTIONARY
   A national Health Data Dictionary – What is it? What should it contain? Which countries have one? How do they compare?
4. VIRTUAL DE-FRAGMENTATION
   Putting humpty-dumpty together again, can technology bind our battered, fragmented health care system?
5. ADOPTION ISSUES
   Why is there such a big difference between adoption and dispersion of “medical technology” and “information technology” in medicine?

PROJECTS WITH AN INTERNATIONAL TWIST:
6. FINANCE
   Corruption in health care, the problem of “informal” payments. How to estimate them? How to eliminate them?
7. ECONOMICS
   Macro-health economics: How much should a country spend on health? 3% of GDP, 6% of GDP, 14% of GDP?...

PROJECTS WITH A HAWAII TWIST
8. PUBLIC HEALTH
   How has homelessness in Hawaii impacted health levels and prevalence of disease (pick your favorite disease)?
9. GIS
   GIS – is urban Honolulu healthier/less healthy than rural Oahu?

TECHIE PROJECTS:
10. OPEN SOURCE AND “OPEN” COMPUTING
    Can health applications be “packaged” and exported to other places using open standards?
13. The economics of using “obsolete computers” in health care.
14. Massive project implementation: You’ve just gone to Mars. You found no health informatics applications there. What are reasonable steps in introducing health information systems in its 800 hospitals, 3000 clinics and other health care institutions?
15. DATABASE ARCHITECTURE
    Online access vs. using replicated databases. Which is better?
16. Is there a role for large-scale computation in Medical Informatics?

17. SIMULATION
   Disease surveillance and virology: Predictive models for the spread of H5N1.

ISSUES IN THE ELECTRONIC MEDICAL RECORD
18. Will EMRs ever talk to each other? (ref: the Holomua Project in Hawaii) [RHIOs]
20. OUTCOMES
   How does one measure “quality of life”?

INTERNET & “eHealth” & “eGovernment”
21. Do YOU want to have YOUR medical information stored “on the web”? The global debate!

ISSUES IN TELEMEDICINE
22. What is the most efficacious modality of telemedicine?
23. Is telemedicine just a “big show”?
24. What is the true cost of real-time telemedicine? Per consultation?
25. Future trends in telemedicine

PUBLIC HEALTH
26. How many “health indicators” are needed on health care’s dashboard?
27. What surveillance system is needed to prepare for the next outbreak of a SARS-like epidemic?
28. Monitoring infectious vs non-infectious (chronic) disease surveillance – are the technical requirements the same?
29. What do we mean by Quality in health care? How can we measure Quality outcomes?
30. Disease state management/chronic disease management: Addressing the growing menace of Diabetes Mellitus II in the world. In the Pacific islands? In Hawaii?

POTPOURRI
31. Sociology of healthcare: Can information technology nurture the doctor-patient relationship or must it be an impediment to that relationship?
32. Does a high “patient satisfaction” score imply high “quality”? (Hospitals, doctors…)
33. PATIENT SURVEYS
   Attitudes toward health, disease, lifestyle. “e.g. the bus stop at lower-campus”

WHATS YOUR IDEA??