



Comparative study of
the economics of
diabetes in Pacific-Rim
cities:
A Proposal

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This comparative study of management of medical care for patients with diabetes in Pacific Rim cities has two primary **research goals:**

- (1) to assess “value for money” (productivity) of chronic disease management in different settings; and
- (2) to give evidence-based policy advice to help prepare healthcare systems for aging populations with greater need for coordinated chronic disease management.



Progress to date

- Completed comparative study of inpatient treatment of diabetes patients in five countries
- Completing a chapter overview of the DM burden in the region
- Detailed patient-level data regression analyses for two sites in China (Zhejiang University's Sir Run Run Shaw Hospital, and Shandong U); agreement from several other sites to do so
- Stanford IRB approval for patient-level analyses, with original data key kept by site researchers and not shared with Stanford researchers
- Completion of phase 2 project summary and timeline



Book chapter: “The diabetes epidemic in Asia”

- **Aging Asia: Economic and Social Implications of Rapid Demographic Change in China, Japan, and Korea**, forthcoming from Stanford’s series with Brookings Institution Press, 2010
- Provides an overview of the DM epidemic in Asia and the challenges facing healthcare financing and delivery systems as the complications associated with the DM epidemic lead to major health and economic impacts.
- The quantitative overview is complemented by descriptive “patient journeys” for patients with DM in India, China, Vietnam, Thailand, Malaysia, and Korea to illustrate the institutional context of care-seeking and the opportunities for policy improvements.



Journal article

Inpatient treatment of diabetic patients in Asia: Evidence from India, China, Thailand, and Malaysia

Revised and submitted for publication



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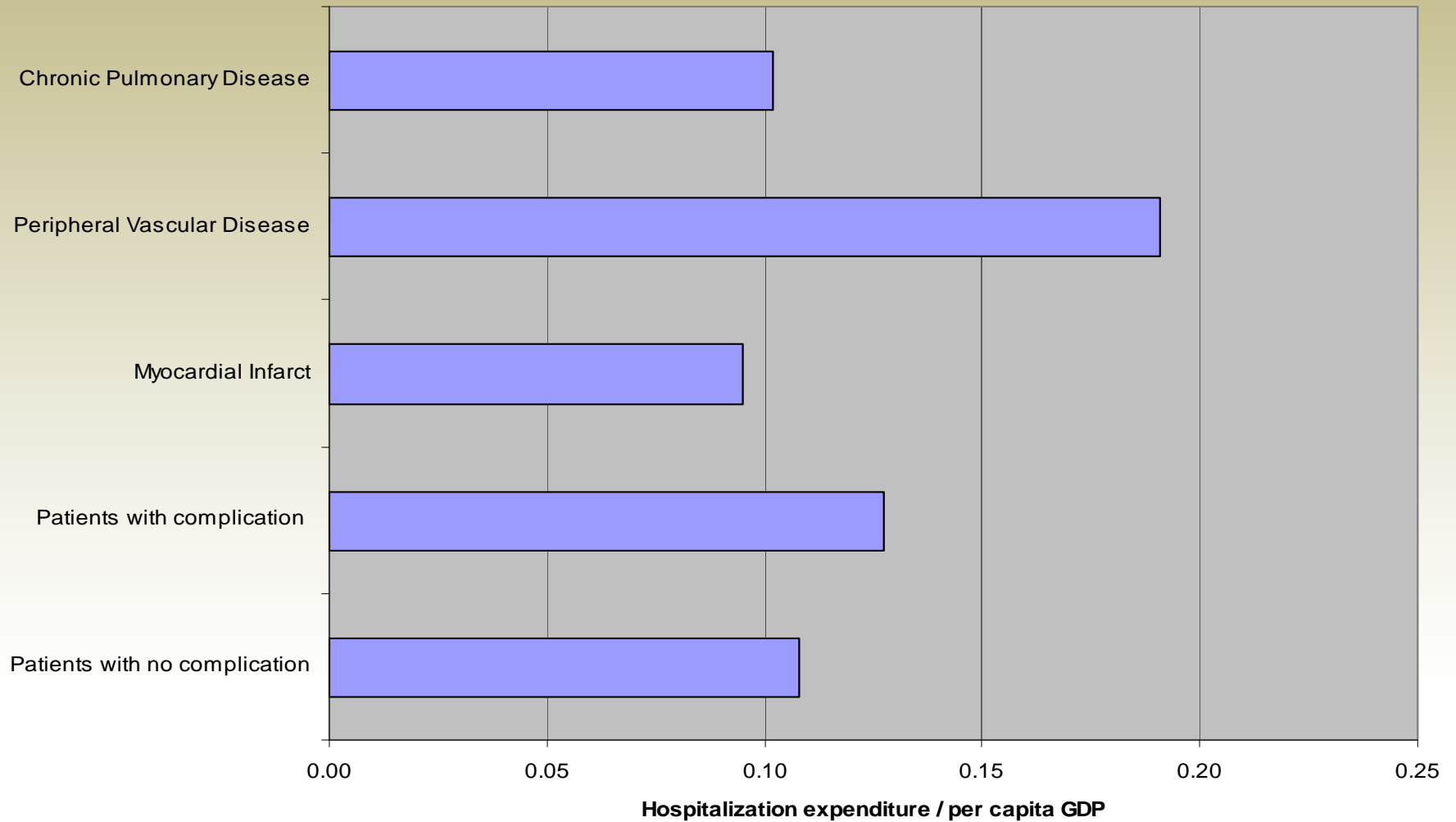
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Malaysia: UKM

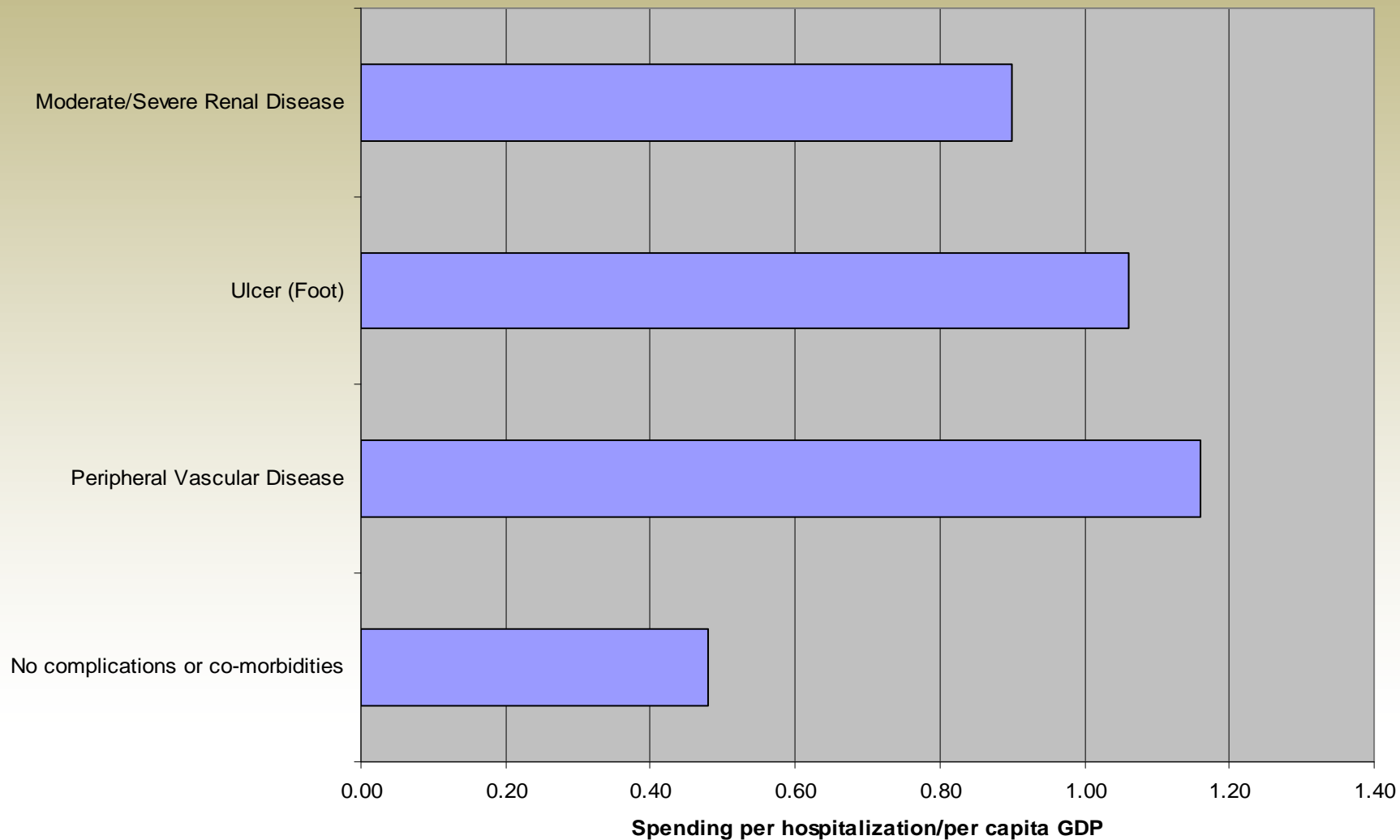
Malaysia: UKM





Thailand: Bangkok

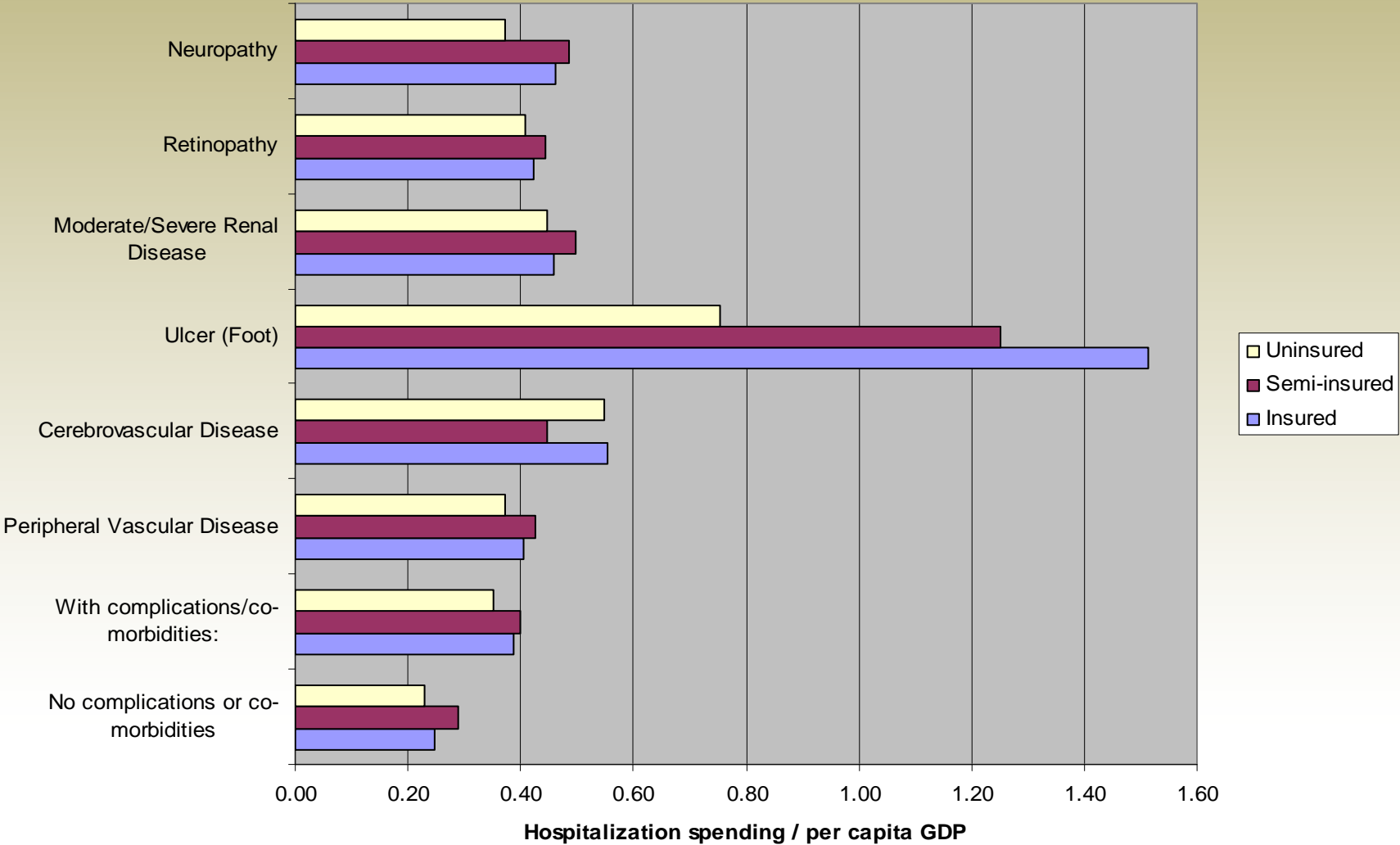
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China: Hangzhou

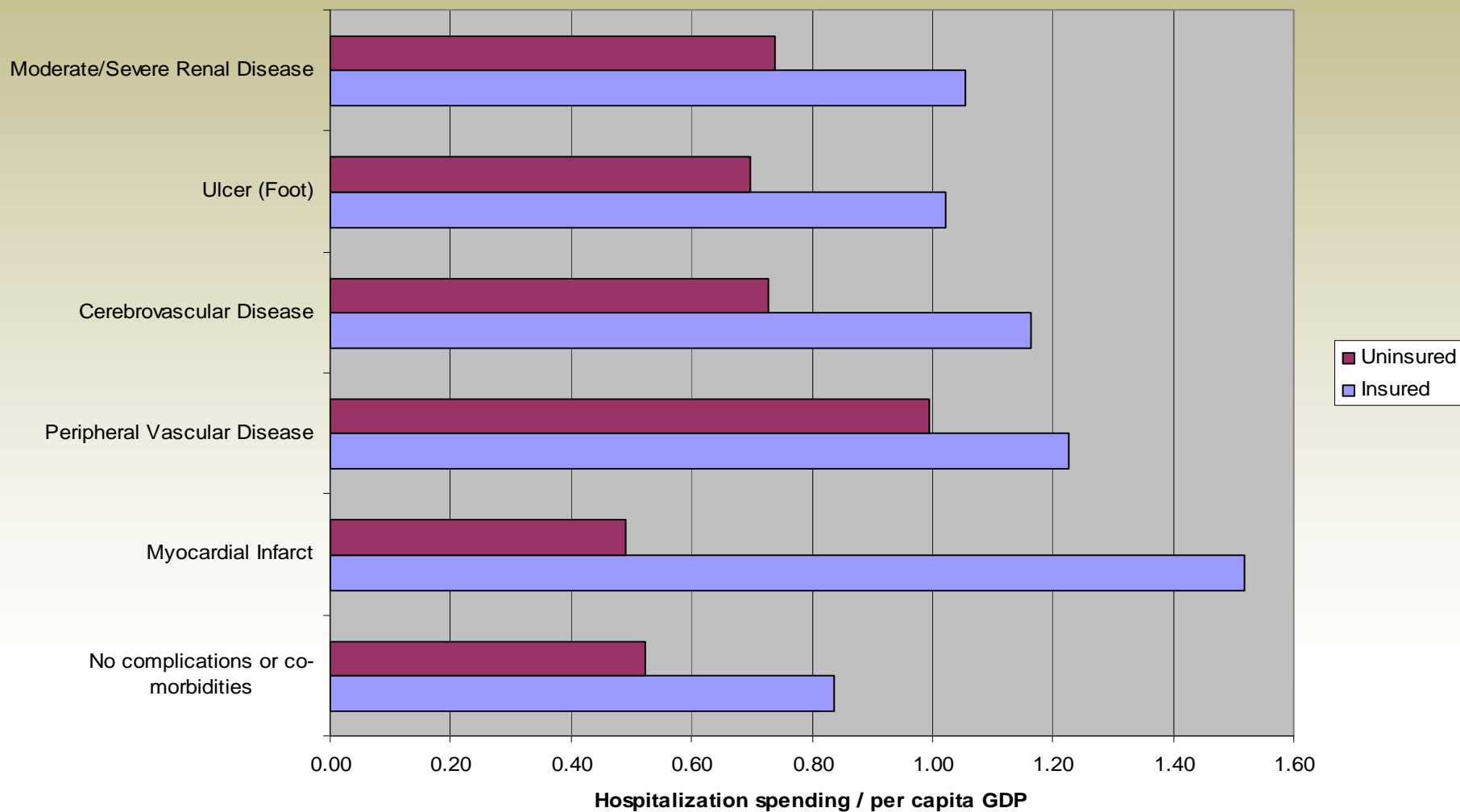
China: Hangzhou





China: Shandong

China: Shandong





Timeline

- Spring 2009: Recruit additional participating centers, determine data availability and interest in specific sub-components of the broader analysis (e.g. inpatient or outpatient spending only; aggregated spending only or patient-level multivariate analyses).
- June 2009: Eggleston communicates research protocol of all participating centers, with customization for the data and research interests of each center.
- Summer 2009: Centers obtain IRB approval for their studies and begin analysis of data; Eggleston meets with researchers at iHEA meetings in Beijing in July (for those able to attend).
- October 2009: Centers share preliminary results; Eggleston assembles results into paper(s).
- December 2009: Refine analytic methods for each Center, based on comparison of results and specific data fields available at each collaborating Center. Each Center performs final statistical analyses of the data with revised analytic protocol.
- February 2010: Final analyses shared and assembled by Eggleston in paper(s).
- April 2010: Final paper(s) completed and submitted for peer review; Eggleston leads collaborators in developing proposal for external funding.
- June 2010: Proposal for external funding completed.



Future work

- Including any new interested collaborators
- Integrated analyses of outpatient and inpatient data samples
- **Economic analysis worksite-based health promotion programs, working with businesses**
- Goal: to improve the implementation of effective interventions for DM prevention and management in the Pacific Rim.