

Health Care Informatics

1. Staffs and Students (April, 2009)

Associate Professor	Kiyohide FUSHIMI	
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2. Purposes of Education

Health care informatics is a branch of health policy science which deals with the application of information technology to health policy research. Main objective of health care informatics in the graduate course is to acquire ability to independently design, manage and accomplish researches in health policy and health informatics fields.

3. Research Subjects

- 1) Functional differentiation and coordination of healthcare facilities
- 2) Development and application of patient case mix system for Japanese healthcare settings
- 3) Application of information technology to standardization of health care and sharing of health care information.

4. Publications

Original Article

1. Kuwahara, H., Fushimi, K. The impact of a new payment system with case-mix measurement on hospital practices for breast cancer patients in Japan. *Health Policy*. 2009; 92(1): 65-72.
2. Yamamoto, K., Fushimi, K. Travel of patients to distant hospitals for elective surgery in Japan: a cross-sectional analysis of a nationally representative sample. *Surg Today*. 2009; 39(9): 758-763.
3. Kuwahara, K., Matsuda, S., Fushimi, K., Anan M., Ishikawa, K.B., Horiguchi, H., Hayashida, K., Fujimori, K. Differences in Practice Patterns and Costs between Small Cell and Non-Small Cell Lung Cancer Patients in Japan. *Tohoku J. Exp. Med*. 2009; 217(1): 29-35.
4. Kuwahara, K., Matsuda, S., Fushimi, K., Ishikawa, K.B., Horiguchi, H., Fujimori, K., Hayashida, K. Impact of timing of cholecystectomy and bile duct interventions on quality of cholecystitis care. *Int J Surg*. 2009; 7(3): 243-249.
5. Hayashida, K., Imanaka, Y., Otsubo, T., Kuwabara, K., Ishikawa, K.B., Fushimi, K., Hashimoto, H., Yasunaga, H., Horiguchi, H., Anan, M., Fujimori, K., Ikeda, S., Matsuda, M. Development and analysis of a nationwide cost database of acute-care hospitals in Japan. *J Eval Clin Pract*. 2009; 15(4): 626-633.
6. Kuwahara, K., Matsuda, S., Fushimi, K., Ishikawa, K.B., Horiguchi, H., Fujimori, K. Impact of hospital case volume on the quality of laparoscopic colectomy in Japan. *J Gastrointest Surg*. 2009; 13(9): 1619-1626.
7. Kuwabara, K., Matsuda, S., Fushimi, K., Ishikawa, K.B., Horiguchi, H., Fujimori, K. Hospital volume and quality of laparoscopic gastrectomy in Japan. *Digestive Surgery*. 2009; 26(5): 422-429.
8. Sato, E., Fushimi, K. What has influenced patient health-care expenditures in Japan?: Variables of age, death length of stay and medical care. *Health Economics*. 2009; 18(7): 843-853.
9. Fushimi, K. A prescription for better medical care. *Japan Echo*. 2009; 36(1): 10-13.