

John Fontanesi, PhD

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Dr. Fontanesi is a Professor in the School of Medicine at the University of California, San Diego. He has appointments in the Department of Medicine, Division of General Internal Medicine, Department of Family and Preventive Medicine and the Department of Pediatrics. He is also Director, Center for Management Science in Health which is the only Operational research unit housed in a School of Medicine in the United States. The focus of the Center is developing theoretically-driven science of health care quality and has a library of over 3000 direct workflow observations of patient encounters.

Dr. Fontanesi is a recognized expert in operational research in health care and serves on a number of national committees for managed care, public health, and the federal government. He is the Principle Investigator for a number of studies examining the operational conditions and organizational structures that facilitate or constrain organizational effectiveness in providing quality care. Recent studies include workflow analysis, simulation and emergency department re-design, optimized scheduling in ambulatory specialty care clinics, the logistical and fiscal requirements of alternative delivery sites for influenza vaccinations and school-based/pharmacist-administered influenza vaccination programs, improving patient compliance through work re-design and restructuring the role and relationships between the Vaccines for Children field staff and Providers.

Recent publications range from Balanced Scorecards, the cost and efficiencies of mass vaccination clinics, discrete event simulation of ambulatory clinics, modeling patient arrival times and the role of measurement in improving quality of care in ambulatory care clinics.

