



The Center for Quality and Productivity Improvement at the University of Wisconsin-Madison is looking for a post-doctoral research associate in human factors in health care and patient safety.

Job Description: Post-doctoral research associate

Degree and area of specialization: Ph.D. required; preferably in Industrial and Systems Engineering, Health Services Research or closely related field.

Experience required: Research experience in human factors and ergonomics, health care, organizational change, and systems engineering. The preferred candidate should excel in effective and positive communication; be able to work collaboratively as well as independently; have experience in working on large scale research projects; have experience in writing publications. The preferred candidate should have significant training and expertise in the discipline of human factors and ergonomics and its application to health care and patient safety. S/he should be familiar with quantitative and qualitative research methods, data collection and analysis, and summarizing and publishing research findings. The ideal candidate will be looking to lead their own project, publish extensively and develop new research ideas.

Principal duties:

The Center for Quality and Productivity Improvement (CQPI) is a research center with a large research program devoted to applying systems engineering, human factors engineering, and industrial engineering approaches to patient safety, healthcare worker safety and medical errors reduction research (*Systems Engineering Initiative for Patient Safety or SEIPS*) (<http://www2.fpm.wisc.edu/seips/>). In a project funded by the Agency for Healthcare Research and Quality, we will design, implement and evaluate an intervention aimed at engaging families in bedside rounds for hospitalized children. The successful candidate for this position will work with Professor Carayon (CQPI and Department of Industrial and Systems Engineering-ISyE), and Dr. Cox (School of Medicine and Public Health, Department of Pediatrics) on this AHRQ-funded project related to human factors in health care and patient safety.

Specific duties:

- Participate in the management, design, planning, and execution of the research project on “Engaging Families in Bedside Rounds to Promote Pediatric Patient Safety”.
- Meet regularly with research team members to plan projects’ activities, discuss progress, and examine projects’ results.
- Participate in the development and implementation of the intervention to improve family engagement.
- Supervise and participate in data collection and analysis efforts.





- Assist in developing human subjects protocols for research project and prepare appropriate documentation for Human Subjects Committee review.
- Collaborate in the preparation and writing of progress reports and publications, and in the presentation of the research project at local, regional and national meetings.

Full-time salary rate: minimum \$40,000 annual (12 months), depending on qualifications

Appointment percent: 100%

Start date: April 15, 2011

Number of positions: 1

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| <p>For more information, please contact Professor Pascale Carayon, Director of the Center for Quality and Productivity Improvement: Tel: +1-608-265-0503 / +1-608-263-2520 Fax: +1-608-263-1425 Email: carayon@engr.wisc.edu</p> |
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