

## Global Health Established Field Placement Site Request Form

<b>Sponsoring Department/Unit: Department of Medicine, Division of Pulmonary and Critical Care</b>	
<b>Project/Program Title: Long-term outcomes of patients requiring mechanical ventilation in Peruvian intensive care units.</b>	
<b>This site is a: A global health practice placement</b>	
<b>Project/Program Country: Peru</b>	<b>City/Town: Lima (Peru)</b> <input checked="" type="checkbox"/> <b>Urban</b> <input checked="" type="checkbox"/> <b>Rural</b>
<b>Service dates - Start: 1/1/2014 Stop: 12/31/2014</b> <b>Minimum length of service: 3 months</b> <i>Must be longer than 4 weeks, preferably 6 +</i>	<b>Number of students requested: 2</b> <i>You can request more than one student but those who will accept BOTH graduates and undergraduates are more likely to receive funding for both.</i>
<b>Estimated out of pocket cost of living at site</b> <input type="checkbox"/> <b>Weekly</b> or <input checked="" type="checkbox"/> <b>Monthly (US\$): 400</b>	
<b>PROJECT/PROGRAM DESCRIPTION</b>	
<p>Mechanical ventilation is a life sustaining measure used in intensive care units to compensate for patients who have acute respiratory failure. It is commonly used in patients with sepsis, acute respiratory distress syndrome (ARDS), trauma, pneumonia, pancreatitis, and inhalational injury, as well as in other chronic respiratory and cardiovascular conditions. We seek to characterize the general health and pulmonary function of patients who survived at least six months after receiving mechanical ventilation in the intensive care units (ICUs) of two large city hospitals in Lima, Peru. To optimize care of critically-ill patients in low- and middle-income countries, it is critical to understand which clinician practices lead to the best long term outcomes. These results at follow-up will be compared to similar data in the United States, which may allow us to improve both ICU-related and post discharge management and consequently future morbidity and mortality in patients requiring mechanical ventilation in the ICUs under study. The aims of this study are: 1) Estimate the 6 month and 1-, 2-, 3-, 4-, 5-year mortality in critically-ill patients that require mechanical ventilation in 2 intensive care units in Lima, Peru, 2) Characterize pulmonary function of critically-ill patients that required mechanical ventilation in 2 intensive care units in Lima, Peru, at 6 months and 1, 2, 3, 4, 5 years after their hospital stay, 3) Assess 6-minute walk, hand grip strength, and ability to return to work as markers of general physical function at 6 months and 1, 2, 3, 4, 5 years after their hospital stay, 4) Characterize cognitive function and activities of daily living at 6 months and 1, 2, 3, 4, 5 years after their hospital stay, and 5) Calculate medical care expenditure and correlate it with the above long-term outcomes.</p>	
<b>POSITION DETAILS</b>	
<p>his position focuses on strengthening the knowledge of the student in Global Health Research through their involvement in each part of research development. The study sites are located in the city of Lima, Peru. Lima is the capital and the largest city of Peru. It is located in the valleys of the Chillón, Rímac and Lurín rivers, in the central part of the country, on a desert coast overlooking the Pacific Ocean. With a population approaching 9 million, Lima is the most populous metropolitan area of Peru, and the fourth largest city in the America. This is 3 month, full-time position with a possibility of an extension. Students interested in this position would start as soon as possible and be available 40 hours per week with some weekend's duties in the sites.</p> <p>The student will report to Dr. William Checkley and work closely with the Lima Research Team responsible for the research mentioned. Responsibilities will include: Plan, develop and perform a research project with an emphasis on long term outcomes from critically ill patients who received mechanical ventilation. Conduct the data collection, data management and analysis. We expect at the end of the program the students will write and submit a manuscript of their research for publication.</p>	
<b>STUDENT REQUIREMENTS</b>	
<b>Student status required/preferred/accepted: All accepted</b>	
<i>Note: If you will not accept both undergraduates and graduates you are not likely to receive funding for more than one student.</i>	
<b>Other language preference (if any): Spanish</b>	

Please return this form by email attachment to:  
Anna Kalbarczyk, MPH [akalbarc@jhsph.edu](mailto:akalbarc@jhsph.edu)

**Student skills/abilities required (narrative: e.g. Epi skills, clinical lab experience, research protocols):**  
Graduate and/or undergraduate students seeking experience in global health research in a developing country are encouraged to apply. Candidates should have a strong academic background with excellent oral and written communication skills. A passion for public and global health research and a strong desire to be immersed in research in developing countries is also desired. Fluency in Spanish is desirable.

**OTHER POSITION REQUIREMENTS/COMMENTS**

**Contact Information (will not be shared with applicants)**

*This should be the information for the Hopkins faculty who will be interviewing candidates and overseeing the internship*

Name: William N Checkley MD, PhD

Title: Assistant Professor

Department: Department of Medicine, Division of Pulmonary and Critical Care

Email: wcheckl1@jhmi.edu

Please return this form by email attachment to:  
Anna Kalbarczyk, MPH [akalbarc@jhsph.edu](mailto:akalbarc@jhsph.edu)