

Fiscal Year:	FY 2009	Task Last Updated:	FY 07/17/2009
PI Name:	Cartreine, James A. Ph.D.		
Project Title:	Countermeasure for Managing Interpersonal Conflicts in Space: A Continuation Study		
Division Name:	Human Research		
Program/Discipline:	NSBRI		
Program/Discipline--Element/Subdiscipline:	NSBRI--Neurobehavioral and Psychosocial Factors Team		
Joint Agency Name:	TechPort:	Yes	
Human Research Program Elements:	(1) BHP :Behavioral Health & Performance (archival in 2017)		
Human Research Program Risks:	(1) BMed :Risk of Adverse Cognitive or Behavioral Conditions and Psychiatric Disorders (2) Team :Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Communication, and Psychosocial Adaptation within a Team		
Space Biology Element:	None		
Space Biology Cross-Element Discipline:	None		
Space Biology Special Category:	None		
PI Email:	icartreine@partners.org	Fax:	FY
PI Organization Type:	UNIVERSITY	Phone:	617-851-8913
Organization Name:	Brigham and Women's Hospital/Harvard Medical Center		
PI Address 1:	Program in Behavioral Informatics and eHealth		
PI Address 2:	Department of Psychiatry		
PI Web Page:			
City:	Boston	State:	MA
Zip Code:	02215	Congressional District:	8
Comments:	NOTE: PI moved to Brigham and Women's Hospital; formerly at Beth Israel Deaconess Medical Center, Boston, MA, per info received December 2011 (Ed.) Name change to Cartreine in summer 2008 (from Carter), per NSBRI information (11/08)		
Project Type:	GROUND	Solicitation / Funding Source:	2007 Crew Health NNJ07ZSA002N
Start Date:	09/01/2009	End Date:	08/31/2013
No. of Post Docs:	No. of PhD Degrees:		
No. of PhD Candidates:	No. of Master' Degrees:		
No. of Master's Candidates:	No. of Bachelor's Degrees:		
No. of Bachelor's Candidates:	Monitoring Center: NSBRI		
Contact Monitor:	Contact Phone:		
Contact Email:			
Flight Program:			
Flight Assignment:			
Key Personnel Changes/Previous PI:			
COI Name (Institution):	Brady, Joseph (Johns Hopkins University School of Medicine) Greenhalgh, Leonard (Dartmouth College) Beven, Gary (NASA Johnson Space Center) Buckey, Jay (Dartmouth Medical School)		
Grant/Contract No.:	NCC 9-58-NBPF01603		
Performance Goal No.:			
Performance Goal Text:			

Task Description:	<p>Some amount of interpersonal conflict is expected on long-duration missions, whether between crew members or between the crew and the ground. However, severe conflicts can interfere with mission success and even safety. Severe, ongoing conflicts have been reported on long-duration space missions, Antarctic expeditions and a recent long-duration space mission simulation. Nonetheless, empirically-supported tools to help crews prevent, assess and manage interpersonal conflicts have not been developed. This study addresses Bioastronautics Roadmap Risk 24: Human Performance Failure Due to Poor Psychosocial Adaptation.</p> <p>The investigators have begun development of an interactive multimedia portal to help long-duration flyers prevent, detect, assess and manage their own psychosocial problems. This work has been supported by two NSBRI grants. In the first grant, program architecture was developed to organize the types of content and experiences users can find in the portal. Sample content about depression and interpersonal conflict was also developed as a prototype to demonstrate how training could be delivered through the system. The second NSBRI grant was to complete and evaluate the depression content, including self-treatment of depression.</p> <p>The present project will design and produce an interactive media intervention program to assist persons manage real, ongoing conflicts on long-duration missions. A preliminary evaluation of the conflict intervention will be conducted in a variety of settings where individuals live, train and work together: fire departments and university residence halls. It will also be evaluated in two NSBRI-supported mission simulations when conflicts arise. The goal of this preliminary evaluation is to gather data on response rate, sample characteristics and effect size, in preparation for a randomized, controlled trial.</p>
Rationale for HRP Directed Research:	
Research Impact/Earth Benefits:	
Task Progress:	New project for FY2009.
Bibliography Type:	Description: (Last Updated: 02/11/2021)