DESCRIPTION: State the application's broad, long-term objectives and specific aims, making reference to the health relatedness of the project. Describe concisely the research design and methods for achieving these goals. Avoid summaries of past accomplishments and the use of the first person. This abstract is meant to serve as a succinct and accurate description of the proposed work when separated from the application. If the application is funded, this description, as is, will become public information. Therefore, do not include proprietary/confidential information. **DO NOT EXCEED THE SPACE PROVIDED.**

The Medical Memory Systems (MMS) project aims to bridge the gaps in inter-facility communications that currently plague the health care system. The main goal of MMS is to decrease the risk of patient harm due to lack of proper communication. The MMS product will consist of a durable, wearable memory device that will allow a patient to transport important medical information, therefore bridging the gap in inter-facility communications. Important information will include allergies, history and physical, current medications, recent surgery findings, and lab results. The medical device will be implanted in a variety of cosmetic settings. In addition to the medical device worn by the patient, MMS will develop a software package for use by medical offices, clinics, and hospitals. The package will contain the software necessary to update a patient's memory device. The software will be designed to be used quickly and easily by medical professionals. The goal of MMS is to ease the flow of information between medical facilities. A patient will be able to carry their medical records from location to location. The device will be updated after each doctor visit. Other facilities will have quick access to the most up-to-date patient information. Phase I will consist of the development of software and of a lab prototype of the MMS system.

PERFORMANCE SITE(S) *(organization, city, state)*

Medical Memory Systems Old Dominion University, Computer Science Department Hampton Boulevard Norfolk, Va 23529

KEY PERSONNEL. See instructions. *Use continuation pages as needed* to provide the required information in the format shown below.

Name	Organization	Role on Project
Jeff McCreary	Medical Memory Systems	Principal Investigator
Daniel Anderson	Medical Memory Systems	Co-Investigator / Webmaster
Megan Babb	Medical Memory Systems	Co-Investigator /Programmer
Christopher Fronda	Medical Memory Systems	Co-Investigator /Programmer
Rabia Haq	Medical Memory Systems	Co-Investigator / Software
Richard Strosahl	Medical Memory Systems	Co-Investigator /Programmer

Disclosure Permission Statement. Applicable to SBIR/STTR Only. See instructions. ☐ Yes ☒ No