To: Mr. Jon A. Corkey
Amissa Inc.
9319 Robert D. Snyder Rd.
Suite 304D
Charlotte, North Carolina 29223

27 April 2020

Re: SBIR PHASE I PROJECT COLLABORATION

Dear Jon:

It is my pleasure to write this letter of support for Amissa Inc.'s NIH SBIR Phase I proposal entitled "Amissa: A predictive analytics software platform to improve safety and outcomes for individuals with Alzheimer's disease and related dementias and assist their caregivers." As a biostatistics/analytics faculty for over 15 years, my work as a biostatistical expert is applied, interdisciplinary, and collaborative, and my research interests are diverse across public health, healthcare, and medicine.

My current projects focus on predictive risk model validation, calibration, and clinical utility, health outcomes research, analysis of big data in population health at a national level, and community-based participatory research with local partnerships. A sample of applications with which I have worked include aging populations and those with dementia, behavioral health, physical activity, child/adolescent health, diabetes, asthma, cardiovascular disease, and community health needs assessments, among others, many with a focus on identifying and addressing health disparities.

I conduct Bayesian and classical analyses, depending on the nature and structure of data and available information. I am confident in and regularly use a wide range of analytical methods including, though not limited to, time series, survival analyses, propensity score matching, latent variable modeling, categorical analyses, multi-level modeling, changepoint problems in public health and biomedical data, multivariate analyses, and meta-analyses.

I regularly lead study design and sample size calculations, (big) data analysis, program planning and evaluation, meta-analyses and evidence synthesis, and interpretation of results. I look forward to contributing my expertise to the development of Amissa's digital health applications and supporting the software development team to architect the database structure to improve research, promote the safety and care of Alzheimer's and dementia patients, and improve monitoring capabilities for families and caregivers who support them.

Sincerely,

Laura H. Gunn

Laura H. Gunn, PhD
Associate Professor, Public Health Sciences
Director, Health Analytics
Director, Health Analytics and Outcomes Research Academy
College of Health & Human Services
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