


ELIZABETH DUNBAR


designer and researcher


SUMMARY

Health information systems designer and researcher. Diverse global health portfolio including monitoring, evaluation, and research across clinical and community health programming. Currently PhD candidate focused on how better design and evaluate clinical and public health technologies to support health and health system outcomes.

CONTACT

 | www.linkedin.com/in/dunbare

 | bit.ly/edunbar_publications

 | Seattle, Washington

SKILLS

Project Management	<div style="width: 100%;"><div style="width: 100%;"></div></div>
R	<div style="width: 100%;"><div style="width: 75%;"></div></div>
SAS (<i>self-taught</i>)	<div style="width: 100%;"><div style="width: 80%;"></div></div>
PowerBI (<i>self-taught</i>)	<div style="width: 100%;"><div style="width: 90%;"></div></div>
Balsamiq (<i>self-taught</i>)	<div style="width: 100%;"><div style="width: 60%;"></div></div>
Figma (<i>self-taught</i>)	<div style="width: 100%;"><div style="width: 70%;"></div></div>
UX Research	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Technical Writing	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Grant Writing	<div style="width: 100%;"><div style="width: 85%;"></div></div>
Spanish	<div style="width: 100%;"><div style="width: 50%;"></div></div>
Chichewa	<div style="width: 100%;"><div style="width: 20%;"></div></div>

RELEVANT SKILLS

Research

Write protocols and manuscripts, analyze data, design research

- Co-authored 25+ research publications, with broad skills including writing & shepherding protocols through IRBs, data collection design, data analysis, & writing
- Mixed-methods design researcher conducting usability studies, UX research, and creating toolkits to support health informatics requirements gathering
- Developed and facilitated participatory co-design sessions for requirements gathering for a patient-facing application for people living with HIV in Jamaica
- Synthesized and analyzed 121,000 records across 15 datasets and 1,000+ variables in SAS for Centers for Disease Control (CDC). Analysis published by CDC and CDC reused code 5 years later to repeat study

Technology optimization & implementation

Gather requirements, coordinate teams

- Led data strategy overhaul to integrate HIV and non-communicable disease care work streams across 14 health facilities, including KPIs development, clinical form and Electronic Health Record (OpenMRS) design
- Redesigned Electronic Health Record reporting system and data use that led to best, district-level HIV-care viral load outcomes in Malawi
- Co-designed a simpler, point-of-care Electronic Health Record system for low-resource settings

Technical advising and management

Team management, leadership, advocacy

- Led 13+ person diverse teams in Liberia and Malawi for 6 years in monitoring, evaluation and informatics across clinical and community health programs
- Ministry of Health technical advisor for data systems design and implementation, operational planning, leadership, and Electronic Health Records optimization
- Facilitated dozens of 50-100+ person meetings and workshops with government and key stakeholders at district, zonal and central governmental levels
- Managed 9 state health department grants for the Council of State and Territorial Epidemiologists in collaboration with the Centers for Disease Control (CDC)

Strategic planning and advocacy

Develop KPIs, connect with stakeholders

- Developed toolkit with the Malawi Ministry of Health for health stakeholder coordination that scaled across 6 districts serving 2.2 million people
- Convinced CDC leadership to include data collection recommendations
- Lead communications activities, including hosting webinars, meetings, and presenting at national conferences and Executive Board Meetings.
- Led program efforts across public sector and private grants, including partnerships with CDC, PEPFAR, USAID, GIZ, UNFPA, and The Global Fund

EDUCATION

Doctor of Philosophy

University of Washington

Seattle | 2019 - present

PhD Candidate in human centered design & engineering

Master of Public Health

Johns Hopkins

Baltimore | 2008 - 2009

infectious diseases epidemiology

Master of Science

University of Washington

Seattle | 2019 - 2021

human centered design & engineering

Bachelor of Arts

College of Wooster

Ohio | 2001 - 2005

comparative religion