Appendix

B. Survey Instrument

Health-Related Informatics Education and Involvement

Q1.1

We are inviting you to participate in a survey on health-related informatics educational offerings, with a focus on the development of partnerships that involve Library and Information Science (LIS) and iSchools. Health-related informatics includes, but is not limited to, disciplines such as:

bioinformatics   clinical informatics   health informatics   nursing informatics

These educational offerings may include certificates, bachelor's degrees, master's degrees, and doctoral degrees.

You are invited to complete this survey because you have been identified as a person at your institution involved in health-related informatics, LIS, or iSchools education.

The survey is expected to take about 30 minutes to complete and has been determined to be exempt. You will not directly benefit from participating in this web survey today.

Participation in the study is voluntary. You may choose not to participate. If you decide to participate in this research study, you may withdraw at any time. If you decide to withdraw, you will not be penalized. Any identifiable information collected is for the purpose of aggregating data or for disambiguating responses from within the same institution. These identifiers will be removed before publication or dissemination of any data.

Thank you for participating in this important research. If you have any concerns about the survey, please contact the investigators below.

Q1.2 Please indicate your participation in this research.

◯ I have read the consent form and agree to participate. (continue to questions) (1)

◯ I have read the consent form and do not wish to participate (exit survey) (2)

Q1.3 Thank you for agreeing to participate in this survey! Your responses are very important to us.

These questions will be asking about your involvement in informatics education, partnerships that developed to offer that education, and whether this education aligns with professional competencies and/or institutional mission and values.

"You" in these questions can be you, your department, or personnel you supervise. Please answer for whatever fits best.

Q2.1 Are you involved with or offer health-related informatics education at your institution?

○ Yes (1)

○ No (2)

Q3.1 Is being involved in health-related informatics education a primary responsibility within your job description?

○ Yes (1)

○ No (2)

Q3.2 What are your responsibilities within health-related informatics education? (Please select all that apply.)

☐   Curriculum/course developer (1)

☐   Program Administrator, course coordinator, etc. (2)

☐   Instructor (3)

☐   Provide resources or tools (software, databases, etc.) (4)

☐   Other (5) _____

Q3.3 What types of health-related informatics educational offerings are you involved in? (Please select all that apply.)

☐   Non-credit workshop or lecture (4)

☐   Credit bearing course (3)

☐   Certificate or similar offering (2)

☐   Undergraduate degree (1)

☐   Graduate or professional (MD, DNP, PharmD, etc.) (6)

☐   Other (5) _____

Q3.4 How many years have you been involved in offering this education?

Please enter a whole number. Do not put ranges. Type "unsure" if you don't know

○ Non-credit workshop or lecture (1) _____

○ Credit bearing course (2) _____

○ Certificate or similar offering (3) _____

○ Undergraduate degree (4) _____

○ Graduate or professional (MD, DNP, PharmD, etc.) (5)
_____

○ Other (6) _____

Q4.1 What is the specific informatics type for the ${lm://Field/1}?

○ Biomedical or Bioinformatics (1)

○ Health or Healthcare informatics (2)

○ Medical or Clinical informatics (3)

○ Nursing (4)

○ Public Health informatics (5)

○ Other (6) _____

Q5.1 Please indicate the reasons why you are not involved in health-related informatics education. (Please select all that apply.)

☐ Lack of technological infrastructure (1)

☐ No appropriate partners (2)

☐ Lack of funding (3)

☐ Lack of personnel (4)

☐ Time constraints (5)

☐ Lack of "Buy-in" from department or college (6)

☐ Doesn't align with mission, values, current service offerings, etc. (7)

☐ No interest or willingness to participate (8)

☐ Other (9) _____

Q5.2 Please expand upon why ${Q5.1/ChoiceGroup/SelectedChoices} is/are reason(s)s for not participating in health-related informatics education.

_____

Q5.3 Do you plan on becoming involved in health-related informatics education in the future?

○ Yes (1)

○ No (2)

○ Unsure (3)

Q5.4 Which types of educational offering are you planning to become involved in? (Please select all that apply.)

☐   Non-credit workshop or lecture (1)

☐   Stand alone course (2)

☐   Certificate or similar offering (3)

☐   Undergraduate degree (4)

☐   Graduate or professional degree (MD, DNP, PharmD, etc.) (5)

☐   Other (6) _____

Q6.1 Does this ${lm://Field/1} already exist or is it new?

◯ Already exists (1)

◯ New (2)

Q8.1 This section of the survey has questions related to health-related informatics education and strategic planning.

Q8.2 Does being involved in health-related informatics education align with your department or college's strategic plan?

◯ Yes (1)

◯ No (2)

Q8.3 Please describe in what way this educational offering aligns with your strategic plan.

_____

_

Q8.4 What do you see as the main responsibilities of LIS schools or iSchools in regards to health-related informatics education?

_____

Q9.1 This section of the survey focuses on the partnership development within health-related informatics.

Q9.2 To what extent do you think LIS or iSchools should collaborate with other interested parties in offering health-related informatics?

○ A great deal (1)

○ Considerably (2)

○ Moderately (3)

○ Slightly (4)

○ Not at all (5)

Q9.3 Are you partnering with other departments/colleges on health-related informatics education?

○ Yes (1)

○ No (2)

Q9.4 Please list which departments/colleges you are partnering with.

_____

Q9.5 Who initiated the partnership?

○ LIS program or iSchool (1)

○ Other department, college, or school within institution (2)

○ Institute or center (3)

○ Other (4) _____

Q9.6 What strategies or methods did you used to build these partnerships?

_____

Q9.7 Why did you invite them as a partner? (Please select all that apply)

☐ Aligned with mission/values (1)

☐ Developed curriculum/course content (2)

☐ Provided funding (3)

☐ Provided technological infrastructure (4)

☐ Provided personnel (5)

☐ Other (6) _____

Q9.8 If known, please share why they chose to join the partnership.

_____

Q9.9 What convinced you to join this partnership? (Please select all that apply.)

☐   Aligned with our mission/values (1)

☐   Developed curriculum/course content (2)

☐   Provided funding (3)

☐   Provided technological infrastructure (4)

☐   Provided personnel (5)

☐   Other (6) _____

Q9.10 Do you anticipate any changes in partnership regarding health-related informatics education?

○ Yes (1)

○ No (2)

Q9.12 Please expand on why the partnership will be changing.

_____

Q9.13 Why haven't partnerships been developed for this education? (Please select all that apply.)

☐   Lack of technological infrastructure (1)

☐   Lack of money/funding (2)

☐   Lack of appropriate partners (3)

☐   Lack of personnel (4)

☐   Lack of time (5)

☐   No interest or willingness by us to have a partner (6)

☐   No interest or willingness by others to partner with us (7)

☐   Doesn't align with mission, current offerings, values, etc. (8)

☐   Other (9) _____

Q9.14 What would need to be in place for you to participate in a partnership in offering health-related informatics education?

_____

Q11.1 This section of the survey will ask questions regarding how health-related informatics instruction is being delivered at your institution.

Q11.2 What is the total number of people teaching in your health-related informatics offering, (including yourself, if applicable)?

If you do not know, type "Unsure"

○ Non-credit workshop or lecture (1) _____

○ Credit bearing course (2) _____

○ Certificate or similar offering (3) _____

○ Undergraduate degree (4) _____

○ Graduate or professional (MD, DNP, PharmD, etc.) (5)
_____

○ Other (6) _____

Q11.3 Who is teaching health-related informatics in your educational offering(s)? (Please select all that apply.)

☐   Informatician (1)

☐   LIS/iSchool faculty (2)

☐   Health professions faculty (i.e. MD/DO, Nurse, Pharmacist, etc.) (3)

☐   STEM faculty (i.e. Genetics, Molecular Biology, Computer Science, Engineering) (4)

☐   Humanities/Social Sciences faculty (i.e. English, Philosophy, Psychology, Sociology) (5)

☐   Business faculty (6)

☐   Other (7) _____

Q12.1 How is this ${lm://Field/1} being delivered?

○ Face to face (1)

○ Online (2)

○ Blended/hybrid (3)

Q13.1 Does your education offering(s) intentionally align with any professional competencies?

○ Yes (1)

○ No (2)

○ Unsure (3)

Q13.2 Which professional competencies does your education align with? (Please select all that apply.)

☐ American Library Association (ALA) View competencies (1)

☐ American Medical Informatics Association (AMIA) View competencies (2)

☐ Association of College and Research Libraries (ACRL) View competencies (3)

☐ Canadian Association of Research Libraries (CARL) View competencies   (4)

☐ Digital Health Canada (formerly COACH) View competencies (5)

☐ International Medical Informatics Association (IMIA) View competencies (6)

☐ Medical Library Association (MLA) View competencies (7)

☐ Technology Informatics Guiding Education Reform (TIGER) View competencies (8)

☐ Other (9) _____

Q13.3 Do you anticipate any changes in instruction for offering health-related informatics education?

○ Yes (1)

○ No (2)

Q13.4 Which of the following changes do you anticipate? (Please select all that apply.)

☐ Increase/decrease the number of instructors (1)

☐ Increase/decrease the number of students (2)

☐ Change discipline/specialty of instructors (3)

☐ Change degree types or offerings (4)

☐ Change informatics type of the education (5)

☐ Aligning informatics competencies with curriculum (6)

☐ Modifying delivery of course (7)

☐ Other (8) _____

Q14.1 Please elaborate on why "${lm://Field/1}" is anticipated?

_____

Q16.1 Please give your opinions on any other topics related to health-related informatics education that you believe are important that are not currently being taught or emphasized.

_____

Q16.2 Finally, please answer some general questions. These will be used to compile answers from similar institutions and will be deleted before data sharing and publication.

○ Institution Name (1) _____

○ Your title/role (2) _____

○ How long have you been in this role (years) (3)

_____