

AHMAD MOBIN

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Canadian Institute for Health Information- CPHI

4110 Yonge Street #300,

Toronto, ON, M2P 2B7

RE: Senior Analyst

Dear Hiring Manager:

I am writing to express my interest in Senior Analyst position for the CPHI team. Presently, I am with the Health System Research team at CIHI. This opportunity has been very positive as I have learned a lot from my teammates and managers. I am eager to explore other ways I can contribute to the organization and to make for an even more pleasant working environment.

I have worked with several research teams where I have gained essential modeling and analytic techniques applied to storage and manipulation of large amounts of data. One of my responsibilities as a Data Analyst at The Saskatchewan Population Health and Evaluation Research Unit includes analyzing large complex datasets derived from GPS, accelerometer and environmental data through R statistical program to better understand whether municipal policy linked to neighbourhood built environment makes a difference in children's physical activity levels. Also, under the guidance of Dr. Cindy Feng (School of Public Health- U of S), I identified risk factors associated with cyber-bullying victimization through conducting literature reviews and used SAS software to build a regression model in order to make recommendations for future health policies. In addition, my current role with the HSR team I assist in compiling data, and evidence from a variety of sources, literature, and other research activities which contribute to the production of reports and other health information products. During my time at CIHI, I have received high praise for introducing the team to innovative methods of facilitating collaboration and making knowledge translation easier.

My interdisciplinary background in public health has provided me with a broad set of skills that are extremely applicable to analyzing health data and communicating these results with stakeholders from diverse disciplines. I believe that my education, experience, and documented interest to continue to grow will allow me to make significant contributions to your team.

Thank you for your time and consideration, I look forward from hearing from you.

Sincerely,

Ahmad Mobin

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HIGHLIGHTS OF QUALIFICATIONS

- Motivated Public Health Professional with a focus in health system research and population health with experience analyzing and interpreting large data sets
- Assisted supervisor with all stages of the research process; conducting literature reviews, querying databases to extract relevant data from multiple sources, cleaning data files to preform build regression models, using statistical techniques to interpret the health- related data and communicating information that is relatable to various stakeholders
- Strong research and writing skills acquired from supervised projects, authored publication and presentations.
- Experience with clinical and administrative data sets: DAD, NACRS, CCRS, OMHRS, HCRS, etc.
- Statistical Software: SAS, R, GIS

EDUCATION

Bachelor of Science, with Distinction	University of Toronto	2010
Master of Public Health	University of Saskatchewan	2016

PUBLICATIONS

- The Canadian Journal of Public Health 2016
- Mobin, A., et al. (2016). 'Risk Indicators Associated with Cyber-Bullying in Grades 5-8.' Submitted to *The Canadian Journal of Public Health*.
- European Parkinson's Disease Association 2011
- Mobin, A. (2011). 'A Comparative Analysis of How Michael J. Fox and Muhammad Ali Changed The World's Views On Parkinson's Disease.' *Journal of Parkinsonism & Restless Legs Syndrome*, Vol 1(1) p. 1-4

PRESENTATIONS

- Mobin A. (Jan., 2017). *Linear Regression Basics*. Presentation of the application of linear regression for conducting effective research critically evaluating empirical studies for The Canadian Institute for Health Information. Toronto, Canada
- Mobin A. (April, 2016). *2016 Tansley Lecture: Public Policy and the Art of Persuasion*. Invited as one of four top ranked students to present research results on identifying predictors for cyber-bullying victimization. Regina, Canada. (not attended)
- Mobin A. (Oct., 2015). *School of Public Health Annual Poster Day*. Presentation of practicum results for The University of Saskatchewan School of Public Health. Saskatoon, Canada.
- Mobin, A. (June, 2015). *Toronto Public Health: Diabetes Prevention Peer Leadership Project- Showcase and Celebration*. Presentation of Sherbourne Health Centre's "Resource Guide of Health and Diverse Foods," to other funding agencies receiving a 2014-2016 grant in Diabetes Prevention Peer Leadership Program. Toronto, Canada.
- Mobin A. (June, 2014). *15 Amazingly Easy Healthy Tips You Can Start Today*. Presentation to The Muslim Halal Food Festival Forum on drawing attention and increased awareness on how to incorporate healthy eating habits for individuals with dietary restrictions. Toronto, Canada.

PROFESSIONAL EXPERIENCE

Health Data Analyst, Canadian Institute for Health Information Aug 2016-Present

- Contribute to the collaborative efforts of the production of various CIHI health products
- Assist in assessing data quality and verifying key findings
- Develop reports to help the team understand data holdings maintained in CIHI
- Help design and develop research proposals in line with the organization's strategic initiatives
- Synthesize analytical gaps within the organization to Managers and Program Leads to prioritize future research
- Conduct environmental and policy scans in various areas pertaining to health systems, health care services, health human resources, spending and priority themes and populations
- Support knowledge translation activities including the development of presentations for the organization with the aim of promoting more effective ways of conducting research

Research Data Analyst, Saskatchewan Population Health & Evaluation Research Unit May 2016- Present

- Perform SQL queries to clean data and merge files to manage and maintain large complex databases of the *Smart Cities, Healthy Kids: Seasonality and Active Saskatoon Kids (SASK)* research project
- Conduct assessment to ensure data quality and completeness with validation techniques
- Explore relationship between children's physical activity and location throughout Saskatoon using regression models through R statistical software
- Provide assistance for quantitative data analysis with GPS, accelerometer and environmental data
- Generate tables, graphs, web applications, progress reports to help communicate results for the research team

Graduate Research Assistant, School of Public Health-The University of Sask. Sept.2015- Present

- Perform literature review to identify risk factors and interventions associated with cyber-bullying
- Clean data and recode variables from the 2010-2011 Saskatoon School Health survey
- Use SAS statistical software to conduct appropriate regression techniques
- Synthesize data and interpret using epidemiological/biostatistical concepts
- Present information in a report to supervisors and co-authors in order to publish in *The Canadian Journal of Public Health*

Research Assistant, Social Sciences Research Laboratories Feb.-July 2016

- Assist in the collection, analysis, and reporting of qualitative and quantitative data
- Help with data management and analysis using statistical software
- Conduct asset mapping of the strengths and resources available
- Present information in reports that help researchers understand and draw insights from the data

RELATED EXPERIENCE

Student Researcher, Department of Computer Science- The University of Sask. Jan- May 2016

- Performed literature review to identify the association of health outcomes and features of a neighbourhood
- Assist in data management, manipulation, mining, advance SQL querying, and data visualization
- Applied statistical models to examine the relationship of neighbourhood environments and health outcomes
- Present information in a report to supervisors and co-authors in order to publish in a scientific journal

Community Health Worker and Promoter, Sherbourne Health Centre May-Nov. 2015

- Conducted literature review on the social determinants of health and used evidence-based practices to prepare a funding proposal of \$150,000-\$300,000 from the Ministry of Health and Long-Term Care of Ontario on a project targeting marginalized populations in South East Toronto
- Applied knowledge of public health and infectious epidemiology to gather research to guide infectious control policy and programs at Sherbourne Health Center
- Collaborated with local service providing agencies to assist in planning, implementation and evaluation health promotion initiatives in the St. James Town Community
- Communicated with several Toronto Public Health funded agencies to promote strategic and innovative thinking aimed at addressing public health issues
- Used qualitative research methods (focus groups, online surveys, etc.) to determine trends of health inequities and make recommendations of specific action for organizing community engaging activities

Program Evaluator, Avenue Community Center for Gender & Sexual Diversity Jan.-May 2015

- Synthesized research evidence of issues relating to the well-being of Lesbian, Gay, Bisexual and Transgender populations to develop an evaluation plan to the stakeholders
- Helped create and administer a survey regarding improving access to medical testing, assessing marketing activities and client satisfaction
- Performed data collection and quantitative statistical analysis to evaluate the organization's performance
- Presented health data and information in a report that could be easily relatable to the stakeholders and made recommendations on how to most effectively serve their target population

Research Assistant, University of Toronto (Department of Anthropology) Sept 2008- Mar 2010

- Conducted research examining principles of Medical Geography, Critical Biocultural Approach, Critical Medical Anthropological Analysis, Singer's Syndemic and Poverty Complex relating to the broad determinants of health
- Analyzed quantitative and qualitative complex data sets and presented results to fellow researchers and supervisor
- Received high recognition from Professor Larry Sawchuk for clarity and quality of reports with a grade of A+ for independent research projects on the 'Perceptions of Disease: Yellow Fever 1828,' and 'The Biosocial Aspects of Cholera'

OTHER

Organizing Committee Member, I-slam Ball-Hockey Athletic Club Sept 2012-Present

- Oversee all operations (ex. recruiting players, scheduling games, contacting referees, training volunteers, etc.) of a league consisting of 160 players
- Issue supplementary discipline to players (fines and suspensions) for the safety of the players, referees, and spectators, while maintaining a highly-competitive environment
- Develop an action plan to minimize operating costs and balance budget
- Raise over \$36,000 for community partnerships that address a wide variety of humanitarian and social causes

President, Exercise is Medicine Canada at University of Saskatchewan Sept. 2014-July 2016

- Develop and submitted materials to bring an Exercise is Medicine Canada (EIM) chapter to The University of Saskatchewan
- Facilitate early inter-professional partnerships between colleges and specifically exercise and health care professionals in support of the Exercise is Medicine program
- Provide recommendations of future EIM student activity that includes plans of programmatic expansions to many other colleges and several community wide stakeholders