

# Statistics Requirement for *Black Health, Epidemiology, Indigenous Health and Social & Behavioural Health Sciences* MPH Applicants

Applicants to MPH Black Health, Epidemiology, Indigenous Health and Social & Behavioural Sciences must provide evidence that they have completed pre-requisite training in statistics in terms of both **academic standing** and **content** of course(s) completed.

**Instructions:**

1. Review the MPH statistics pre-requisite requirements at: <https://www.dlsph.utoronto.ca/students/future-students/application-process/statistics-requirements-for-mph-by-field/>
2. On this form, **identify all relevant courses** with formal instructions in statistics and/or quantitative data analysis. These courses, and corresponding grades, must also appear on your transcript(s).
3. Provide evidence of the content of relevant course(s) to show you have completed the **required topic areas**.
  - a. Add to this form additional pages of information (i.e.; course syllabus) to show the content of the qualifying course(s). Those additional pages should be combined with this form, to create a single attachment.
  - b. Applicants may provide the course website address (URL) below, but **ONLY** if that website includes the content or detailed description of the course, **AND** the applicant has verified that the link is accessible to the public and valid at the time of application (no login required).
4. Upload this completed form to your application.

Statistics training is a firm pre-requisite for these MPH fields of study. The Admissions Committees must be able to assess the applicant’s training in statistics using the information provided within the application. Absence of proof of completion (content and standing) can result in an applicant being deemed inadmissible.

## PLEASE COMPLETE

**Applicant identification:**

Surname	Given Names	Email Address (used in this application)

**List completed courses which included formal instruction in statistics and quantitative data analysis:**

1	Year/Term	Course Code	Course Title	Grade
2				
3				
4				
5				

Where more than 5 course have been completed, focus on most recent and advanced course(s).

**Identify here the attachments you have combined with this cover sheet:** Identify the sources of information or documents which you have combined with this form.

	Examples: "Syllabus for STA 221H1 attached" or "www.utstat.toronto.edu/~olgac/sta221/221outline.pdf"
1	
2	
3	
4	
5	

# APPENDIX

## STATISTICS REQUIREMENTS

### **Black Health**

At least one undergraduate statistics course is required for admission to the MPH program in the *Black Health* field. Applicants must obtain a **minimum grade of B** in the course(s). The course(s) should be completed prior to the application deadline. All relevant course(s) should be identified on the form, and evidence of the topics covered (course syllabus attachment) should be provided. If the course(s) have not been completed, applicants **MUST** indicate, on the form, when and where the course(s) will be taken. If an Offer of Admission is made, the applicant **MUST** forward statistics course grade(s) to the Graduate Office no later than June 30. The content of the statistics course must include the topics listed below.

### **Epidemiology**

At least one undergraduate statistics course is required for admission to the MPH program in the *Epidemiology* field. This must be completed **prior** to the application deadline and with a **minimum grade of B+**. The course(s) should cover the content as listed below or additional statistics course(s) should have been taken to ensure coverage of all topics listed. All relevant course(s) should be identified on the form, and evidence of the topics covered (course syllabus attachment) should be provided.

### **Indigenous Health**

At least one undergraduate statistics course is required for admission to the MPH program in the *Indigenous Health* field. Applicants must obtain a **minimum grade of B** in the course(s). The course(s) should be completed prior to the application deadline. All relevant course(s) should be identified on the form, and evidence of the topics covered (course syllabus attachment) should be provided. If the course(s) have not been completed, applicants **MUST** indicate, on the form, when and where the course(s) will be taken. If an Offer of Admission is made, the applicant **MUST** forward statistics course grade(s) to the Graduate Office no later than June 30. The content of the statistics course must include the topics listed below.

### **Social and Behavioural Health Science (Health Promotion)**

At least one undergraduate statistics course is required for admission to the MPH program in the *Social and Behavioural Health Sciences* field. Applicants must obtain a **minimum grade of B+ in the course(s)**. The course(s) should be completed prior to the application deadline. All relevant course(s) should be identified on the form, and evidence of the topics covered (course syllabus attachment) should be provided. If the course(s) have not been completed, applicants **MUST** indicate, on the form, when and where the course(s) will be taken. If an Offer of Admission is made, the applicant **MUST** forward statistics course grade(s) to the Graduate Office no later than June 30. The content of the statistics course must include the topics listed below.

### **Content guidelines for statistics prerequisite course(s):**

- Frequency distributions, skewness
- Measures of central tendency: Mean, median, mode
- Levels of measurement: nominal, ordinal, interval
- Measures of variation: Standard deviation, standard score, standard error
- Probability, normal curve
- Sampling, confidence intervals
- Test of significance: Null hypothesis: t-test, one-tail/two-tail tests
- Analyses for proportions and categories (e.g., Chi square)
- Analyses for group means (e.g., t-tests, analysis of variance)
- Correlation
- Regression (linear and/or logistic)