To the Campus Council,
University of Toronto Mississauga

Your Committee reports that it held a meeting on September 18, 2014 at 4:10 p.m. in the Council Chambers, William G. Davis Building, at which the following were present:

Ms Judith Poë, Chair
Professor Angela Lange, Vice-Chair
Professor Deep Saini, Vice-President &
  Principal
Professor Amy Mullin, Vice-Principal Academic
  and Dean
Professor Bryan Stewart, Vice-Principal,
  Research
Dr. Kelly Akers
Ms Farishta Amanullah
Professor Tracey Bowen
Professor Ron Buliung
Ms Diane Crocker, Registrar and Director of
  Enrolment Management
Ms Sara da Silva
Professor Charles Elkabas
Ms Jessica Eylon
Mr. Kevin Golding
Ms Paula Hannaford
Ms Shelley Hawrychuk
Dr. Nathan Innocente
Dr. Stuart Kamenetsky
Professor Yael Karshon
Ms Genevieve Lawen
Ms Alice Li
Professor Kent Moore
Professor Emmanuel Nikiema
Ms Stacey Paiva
Professor Robert Reisz, Vice-Dean, Graduate
Dr. Christoph Richter
Professor Todd Sanders
Ms Laura Sedra
Dr. Joan Simalchik
Professor Sasa Stefanovic
Professor Alison Syme
Professor Holger Syme

Mr. Kumar Thapliyal
Mr. Ian Whyte, Chief Librarian
Professor Anthony Wensley
Dr. Kathleen Wong
Dr. Daniel Zingaro

Non-Voting Assessors:
Ms Yen Du, Program and Curriculum Officer
Prof. Ulli Krull, Vice-Principal, Special
  Initiatives

Regrets:
Professor Shyon Baumann
Professor Tracey Bowen
Professor Craig Chambers
Professor Philip Clark
Dr. Louis Florence
Professor Claudiu Gradinaru
Dr. Monika Havelka
Professor Bernard Katz
Mr. Sheldon Leiba
Professor Peter Loewen
Ms Maaham Malik
Professor Heather Miller
Ms Mariam Munawar
Mr. Mark Overton, Dean of Student Affairs
Professor Brian Price
Professor Ed Schatz
Ms Grayce Slobodian
Professor David Francis Taylor
Professor Mihkel Tombak
Professor Rebecca Wittman
Professor Xiaodong Zhu

In Attendance:
Mr. Uranranebi Agbeyegbe
Len Brooks, Director, Masters of Management and Professional Accounting (MMPA)

Mr. Hassan Havili, University of Toronto Mississauga Students' Union (UTMSU)
Ms Vanessa Kattav, UTMSU
Ms Aziza Islam, UTMSU
Ms Jenna Menzies, Student Housing and Residence Life
Professor Tracy Rogers, Director, Forensic Science Program
Ms Melissa Theodore, UTMSU

Secretariat:
Mr. Louis Charpentier, Secretary of the Governing Council
Mr. Lee Hamilton, Acting Assistant Secretary of the Governing Council
Ms Cindy Ferencz Hammond, Director of Governance, Assistant Secretary of the Governing Council
Ms Mariam Ali, Committee Secretary

1.   Chair's Remarks

The Chair welcomed members to the first meeting of the Academic Affairs Committee for the 2014-15 academic year. She introduced Professor Angela Lange, Vice-Chair of the Committee; Professor Deep Saini, Vice-President and Principal; and the Committee's voting assessors, Professor Amy Mullin, Vice-Principal Academic & Dean and Professor Bryan Stewart, Vice-Principal, Research. The Committee's non-voting assessors were also introduced: Ms. Yen Du, Program and Curriculum Officer, Professor Ulli Krull, Vice-Principal, Special Initiatives and Mr. Mark Overton, Dean of Student Affairs.

2.   Orientation

The Chair and Ms Cindy Ferencz-Hammond, Director of Governance, UTM and Assistant Secretary of the Governing Council gave an Orientation presentation[1], and members were directed to Orientation Resources available at http://uoft.me/OrientationResources.

The Chair explained that the Committee would oversee academic matters affecting the teaching, learning and research functions of the Campus. She also advised on the role of the Secretariat and provided an overview of the agenda planning process. Ms Ferencz-Hammond explained that cover sheets were designed to enhance the focus of members on the major elements of proposals and that they were a valuable tool in providing guidance with respect to the responsibilities of the relevant governance body for each item of business.

The Chair invited Professor Amy Mullin, Vice-Principal Academic and Dean to present an overview of the Campus and the Office of the Dean[2]. As part of that presentation, the Vice-President and Principal also outlined the senior administrative structure at UTM.   Professor Mullin spoke to the Academic Plan and assessor priorities for the 2014-15 academic year. She also noted upcoming proposals including the Minor in Education Studies, a freestanding minor designed to offer interdisciplinary study opportunities to students planning careers in education and training. Professor Mullin also advised members of the upcoming combined program in Masters of Science in Sustainability Management and BSc/BA, Geography at UTM. She invited members and their constituents who were interested in providing advice and feedback early on in the process of developing a particular proposal to contact Ms Yen Du, Program and Curriculum Officer at yen.du@utoronto.ca.

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[1] A copy of the Orientation Presentation is attached as Attachment A.
[2] A copy of the Assessor Presentation and the Assessor Handout is attached as Attachment B and C respectively.

A member commented that other universities similar in size to UTM had a larger number of Deans, and that unlike UTM, most Registrars reported to the Dean or academic leader of the institution and not the head of the campus. The member asked if the Office of the Dean had planned on making changes to the administrative structure of that office. Professor Mullin responded that the Office of the Dean would be engaging in a self-study beginning in the winter of 2015, a required part of a related external review in 2015 - 2016 and noted that the organizational structure of her office would be a part of that process.

3.   Calendar of Business, 2014-15

The Chair referred members to the Calendar of Business, and advised that the document would be updated on the Office of the Campus Council website every Friday; she encouraged members to review the Calendar on a regular basis.

4.   Highlighting Faculty Research: Professor Bryan Stewart, Vice-Principal, Research

The Chair informed members that the Committee would receive presentations on particular topics of interest to the campus community. For this meeting Professor Bryan Stewart, Vice-Principal, Research invited Professor Ron Buliung, Department of Geography to present his research on Childhood in the City. Professor Buliung's presentation included the following key points[3]:

- The research focused on childhood within the context of longer range transportation issues in the Greater Toronto and Hamilton Area (GTHA), and looked particularly at school travel (60 to 80% of commuter trips for children);
- North American children increasingly experienced lesser mobility, leading to obesity and other health-related issues;
- The research had led to a partnership with Metrolinx, currently undergoing a revision of the 25 Year Plan for the Regional Rapid Transit Network;
- Children provided an early focus for change in transportation policy and habits; future work would focus on development of policy, which would allow for increased independent mobility of children.

5.   Committee to Review the UTM and UTSC Campus Council: Consultation

Mr. Charpentier advised members that the mandate of the Committee to Review Campus Councils (CRCC) was three-part: to evaluate the efficacy of the model and its implementation, report findings and recommend refinements. Mr. Charpentier advised that there would be a broad call for advice as well as consultations with senior administrators, voting assessors and public in-person consultation sessions. He noted that the Committee included membership from both UTM and UTSC Campus Councils and was mandated to report its findings to the Governing Council at its December meeting.

6.   Major Modification: Masters of Management & Professional Accounting (MMPA)

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[3] A modified copy of the Presentation is attached as Attachment D.

The Chair reminded members that major and minor modifications to existing degree programs were considered for approval by the Committee, and referred members to the previous action taken section of the item's cover sheet, which detailed the Committee's role in recent changes made to the program. . The Chair invited Professor Robert Reisz, Vice-Dean, Graduate to present this item.

Professor Reisz explained that the proposal was to revise the current 16-month advanced standing option within the Master of Management and Professional Accounting (MMPA) program and reduce it to a 12-month advanced standing option.   He noted that the Chartered Professional Accountants (CPA) Educational Program had released new curriculum guidelines for professional training and education in the field of accounting. The Institute for Management and Innovation (IMI) had responded with corresponding updates and revisions to the MMPA program, and the proposed changes were a natural result of these updates. Students would now graduate within 3 sessions, with the expectation that the co-hort would have an upper limit of 45 students who would be enrolled as a separate section within the MMPA program. The 12-month MMPA students would join 27 and 24-month students in key workshops and non-course learning experiences during their final academic session to ensure commonality of experiences.   Professor Reisz noted that extensive consultation had occurred with faculty and administrators from IMI, MMPA program and Rotman School of Management as well as other relevant academic departments and administrative offices. Students currently enrolled in the MMPA program, as well as current undergraduate Commerce students were consulted and were in strong support of the proposal.

Professor Len Brooks, Director, MMPA, noted that the proposed changes would still include an internship in the second session and that they represented a significant improvement due to changes required by the relevant professional association. He also indicated that while many Masters programs at U of T consisted of 10 courses, the MMPA program exceeded this and also included an internship without compromising on the quality of the content.

In response to a member`s question, Professor Brooks explained that the advanced standing option was granted to applicants who had acquired technical knowledge through undergraduate education in programs such as the Bachelor of Commerce, which the MMPA program complemented with a focus on management and soft skills.   Students were given the same experience as an exit standard as those who came in from other disciplines. In response to another question, Professor Brooks noted that the target for the 27-month program was 85 students, and for the 12-month advanced standing option was 45 students.

A member asked why there were additional resources required for administrative and teaching staff if the 12-month version of the MMPA program was simply replacing the 16-month version. Professor Mullin explained that there was only a small enrolment in the 16-month version and that changes in the accounting profession regulatory bodies and market surveys suggested enrolment in the 12-month version would be robust and hence required the additional resources outlined in the proposal.

On motion duly made, seconded and carried,

YOUR COMMITTEE APPROVED,

> THAT the proposal from the Institute for Management and Innovation (IMI,) to revise the 16-month advanced standing option for the Master of Management & Professional Accounting (MMPA) program, including reducing it to 12 months, which flows from the recently approved revisions to the MMPA, as described in the proposal dated September 8, 2014 and recommended by the Vice-Principal Academic & Dean, Professor Amy Mullin, be approved effective September 1, 2015.

7.   New Minor: Forensic Science

The Chair explained the distinction between major and minor modifications as it pertained to this item. The new minor in Forensic Science was a minor modification since there was an existing major and specialist within that program. The Chair invited the Vice-Principal Academic and Dean to present the item. Professor Mullin explained that a minor program typically consisted of 4.0 credits, a major program of 6.0 to 8.5 credits and a specialist of 10.0 – 15.0 credits.   She advised the Committee that the new minor program in Forensic Science (FSc) would allow students who would not have the scientific foundation required for a Major or a Specialist to benefit from training in the forensic approach. The existing major could only be taken in conjunction with a major program in Anthropology, Biology, Chemistry, or Psychology, all strengths of the FSc program. She noted that the intent of the proposed Minor was to provide students from any Major with an introduction to forensic science, which they could apply to their field of study. Professor Mullin was enthusiastic about the program and noted that there had been significant interest and positive feedback received from the relevant stakeholders throughout the proposal's development. The Chair noted that although this program was intended to make Forensic Science accessible to non-science students, both she and Professor Lange anticipated that this program would be attractive to Biology and Chemistry majors.

On motion duly made, seconded and carried,

YOUR COMMITTEE APPROVED,

>   THAT the proposed New Minor in Forensic Science, offered by the Forensic Science Program, as recommended by the Vice-Principal Academic & Dean, Professor Amy Mullin, in the proposal dated September 8, 2014, be approved, effective September 1, 2015.

CONSENT AGENDA

On motion duly moved, seconded, and carried

YOUR COMMITTEE APPROVED

>   THAT the consent agenda be adopted and that Item 9 - Report of the Previous Meeting, be approved.

8.   Other Business

There was no other business brought forward.

9.   Date of Next Meeting – Wednesday, November 12, 2014, 4:10 p.m.

10.   Report of the Previous meeting - Report 6 - April 30, 2014

11.   Business Arising from the Report of the Previous Meeting

There was no business arising from the report of the previous meeting.

The meeting adjourned at 5:42 p.m.

_____   _____
Secretary   Chair
September 23, 2014

University of Toronto Mississauga Academic Affairs Committee Orientation

September 18, 2014

What are the Terms of Reference of the AAC?

- Consider all matters that affect the teaching, learning and research functions of the Campus.

- Monitor, review and make recommendations concerning divisional academic policies.

- Receive reports from administrators.
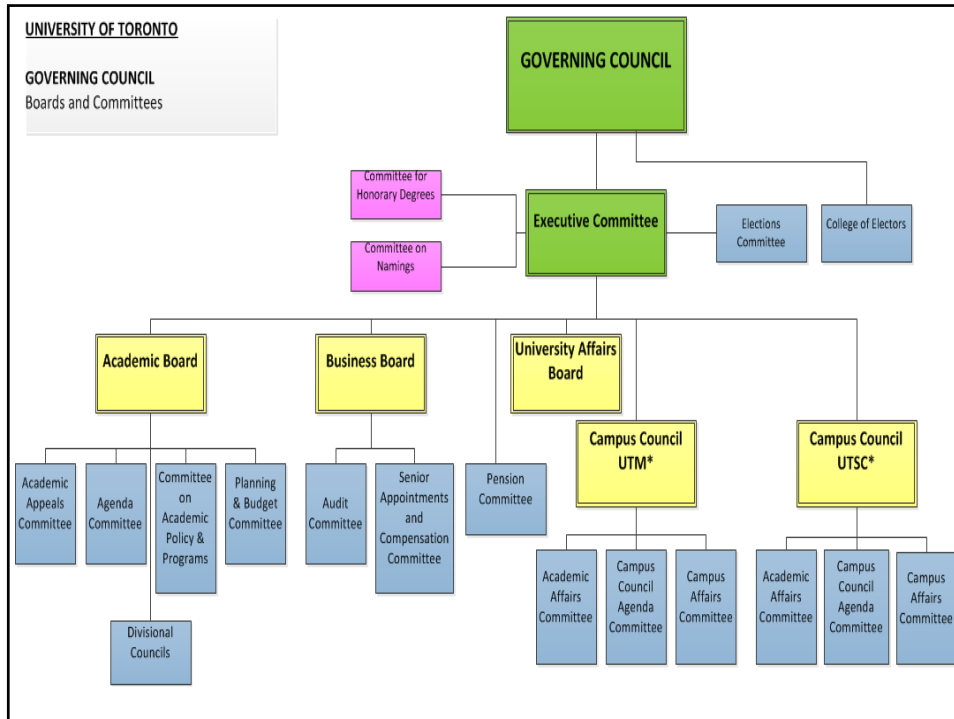
What is the Committee's Role in Relation to Other Governing Bodies?

- The Committee is an entry point to governance.

- Most items can be approved by the AAC; some must be forwarded to AP&P, Academic Board or Governing Council for approval.

- Other bodies to which recommendations are made expect this body to have engaged in the fullest and most detailed discussion and debate before items move on.

Who are the AAC Members ?

- 63 members
  - 2 administrative staff
  - 3 community members
  - 2 librarians
  - 35 teaching staff
  - 9 students
  - 10 *ex officio* members
  - 2 Presidential Assessors (voting)

Who are the Assessors?

- Voting Assessors
  - Vice-Principal Academic & Dean, Amy Mullin
  - Vice-Principal Research, Bryan Stewart

- Non-voting Assessors
  - Vice-Principal Special Initiatives, Ulrich Krull
  - Dean of Student Affairs, Mark Overton
  - Program and Curriculum Officer, Yen Du

What is the Role of the Assessors ?

- Bring forward proposals from the administration for consideration
- Provide reports for information.
- Introduce items before discussion and vote
- Roles of the assessors to this committee reflect their administrative terms of reference

What are the Responsibilities of AAC Members ?

- Reflect the perspectives of their estate, as appropriate

- Members act in the best interests of the institution as a whole

- Refer to "Expectations and Attributes of Governors & Key Principles of Ethical Conduct" in the quick reference guide

Committee Members: Tips for Effective Participation

Informed participation ➔ review materials in advance
(attention to cover sheets)

- Adding value
  - provide feedback/advice to assessors in preliminary stages of a proposal
  - make suggestions for improvements to presentations for subsequent bodies in the governance process
  - ask questions (if answers will require preparation it is best practice to alert assessors in advance so that they can be prepared)
  - ask about consultation process

Calendar of Business: What business will be brought to AAC this year?

- Developed annually for all Governing Council bodies

- An overview of all anticipated business to be transacted in the year

- New items are added (updated every Friday) as they arise from the administration

How is the Agenda Set?

- Agenda planning is the "hand-off" from the administration to governance.
- Agenda planning group includes the Chair, Vice-Chair, the assessors and others as deemed appropriate by the Chair.
- The guiding principle is that the agenda is set by the Chair after receiving advice from the agenda planning group.

What is the Structure of the Agenda ?

1. Reports and Presentations
2. Items for Approval
3. Assessor's Report (standing item for each meeting)
4. Consent Agenda: routine/transactional items; given individual consideration if a member requests
5. Other Business
6. In Camera Session

How Does One Access Meeting Documents ?
The Governance Portal: Diligent Boardbooks

- Only tool used to distribute confidential meeting documentation to members, and therefore the expectation is that all members make use of it
- Password protected
- Instructions for setup: http://uoft.me/DBBInstructions
- User Name:"firstname lastname" and the temporary Password is "July2014".
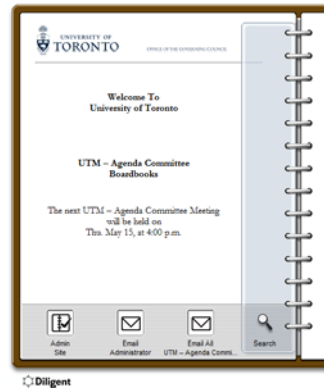
Cover Sheets

❶ General

❷ Header Information

❸ Sponsor & Presenter

❹ Jurisdictional Information

❺ Previous Action Taken

❻ Highlights

❼ Recommendation

Conduct of Meetings

- Modified version of Bourinot's Rules of Order which are included in the Governing Council's By-Law Number 2.
  - Meetings are normally open.
  - Members may speak once in a debate for up to 5 minutes to allow for wide participation
  - Only members and voting assessors may participate in debate and vote.
  - Non-members who wish to speak must request to do so in advance of the meeting.

Decisions

Proposals may be

- Approved (occasionally clarified or amended)
- Rejected
- Referred back to the administration **with advice.**
- Withdrawn by the administration.

How is all of this accomplished ? The Secretariat

- Facilitate governance process with neutrality
- Act as expert resource to members and administration
- Ensure that documentation and Cover Sheets are complete
- Maintain the Calendar of Business
- Support the Chair and the Committee
    - UTM Director of Governance – Cindy Ferencz-Hammond
    - UTM Committee Secretary – Mariam Ali

Role of Governance vs. Administration

- Administration manages the University, issues reports and proposals.
- Governance is the receiver of proposals and reports from the administration.
- Primary Functions of Governance – Oversight, Advice, Approval (or rejection)
- Together the functions of governance and administration are sustaining and advancing the University's purpose, strength and well-being.

Member Resources

- http://uoft.me/OrientationResources

- Quick access to frequently used member resources (membership lists, assessors, COB, schedules, TOR, portal)
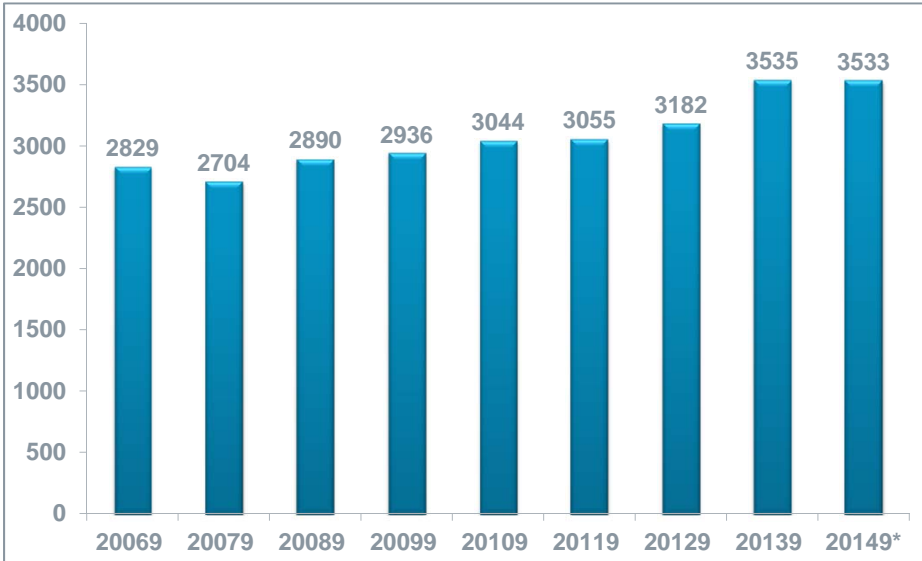
Burning Questions ??

UNIVERSITY OF TORONTO MISSISSAUGA
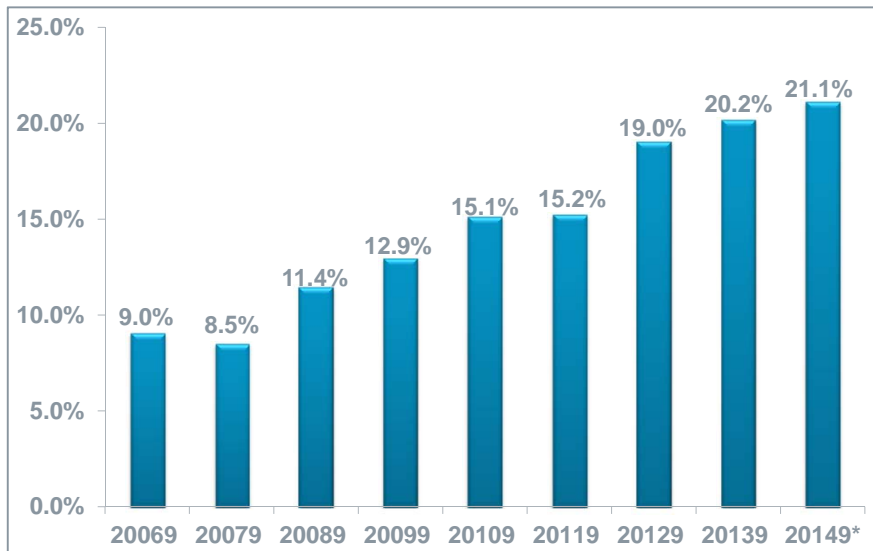
Academic Affairs Committee
September 18, 2014

UNIVERSITY OF TORONTO MISSISSAUGA

BOUNDLESS

TOTAL NEW INTAKE 2004-2014

Year	Value
20069	2829
20079	2704
20089	2890
20099	2936
20109	3044
20119	3055
20129	3182
20139	3535
20149*	3533

UNIVERSITY OF TORONTO MISSISSAUGA

*DATA UPDATED SEPT 9, 2014

PERCENTAGE OF INTERNATIONAL IN TOTAL NEW INTAKE 2006-2014

*DATA UPDATED SEPT 9, 2014

PERCENTAGE OF INTERNATIONAL IN TOTAL REGISTRANTS 2004-2014
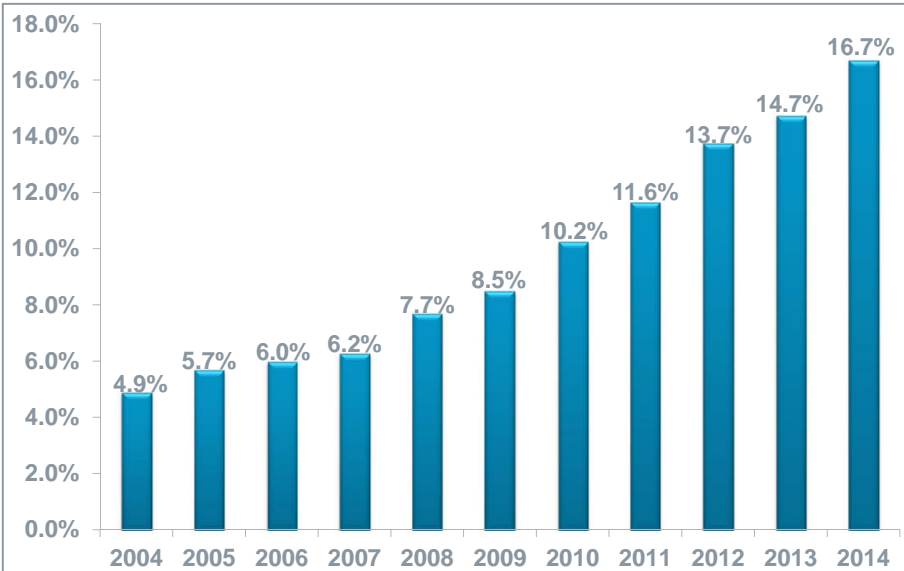
*DATA UPDATED SEPT 9, 2014

FACTS & FIGURES

15 DISTINCT ACADEMIC DEPARTMENTS
AN INSTITUTE OF COMMUNICATION, CULTURE AND INFORMATION
TECHNOLOGY & AN INSTITUTE FOR MANAGEMENT AND
INNOVATION

OFFERING 145 PROGRAMS AND 88 AREAS OF STUDY

OVER 13000 STUDENTS (UNDERGRADUATE + GRADUATE)
OVER 2000 FULL-TIME & PART-TIME EMPLOYEES, INCLUDING 857
FACULTY & STAFF OVER 47000 ALUMNI

U OF TORONTO IS RANKED FIRST IN CANADA FOR ITS RESEARCH
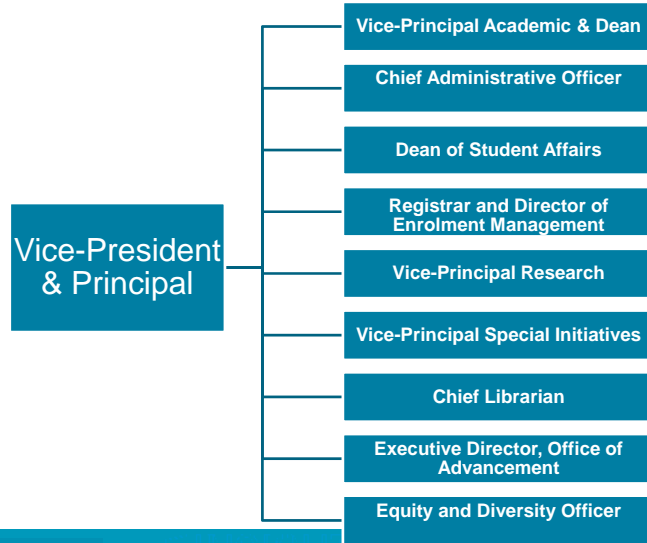- UTM IS A VITAL PART OF THAT SUCCESS

UNIVERSITY OF TORONTO MISSISSAUGA

RESEARCH AT UTM

$200,000 A WEEK IN RESEARCH

600 RESEARCH PROJECTS

$10 MILLION IN EXTERNAL GRANTS

UNIVERSITY OF TORONTO MISSISSAUGA

Senior Administrative Structure

Vice-President & Principal

- Vice-Principal Academic & Dean
- Chief Administrative Officer
- Dean of Student Affairs
- Registrar and Director of Enrolment Management
- Vice-Principal Research
- Vice-Principal Special Initiatives
- Chief Librarian
- Executive Director, Office of Advancement
- Equity and Diversity Officer

UNIVERSITY OF TORONTO
MISSISSAUGA

ADMINISTRATIVE STRUCTURE: OFFICE OF THE DEAN

Vice-Principal Academic & Dean

- **Vice-Dean Graduate**
- **Vice-Dean Undergraduate**
- **Academic Integrity**
- **Academic Departments** (15 Departments + 2 Institutes)

UNIVERSITY OF TORONTO
MISSISSAUGA
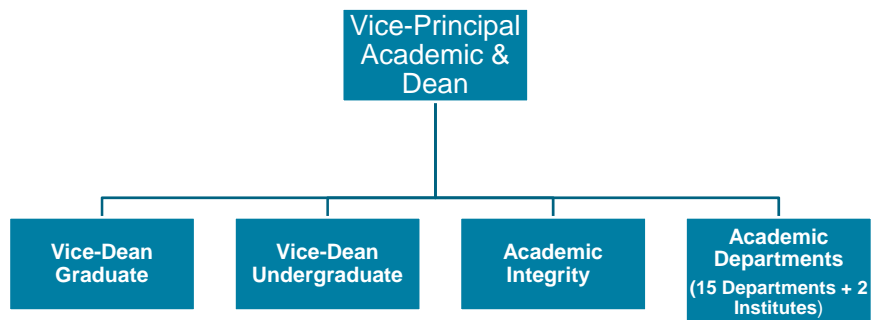
ACADEMIC PLAN
VISION OF THE VPA

UTM Academic Plan developed consultatively and approved in the fall of 2012

Information about the plan and the complete text is available at: http://www.utm.utoronto.ca/academic-planning/home

Overall goal – maintaining and improving quality of teaching and research, vigilant review of existing programs, development of new courses and programs to meet student interest and community needs, investment in new faculty to enhance teaching and research

UNIVERSITY OF
TORONTO
MISSISSAUGA

ADMINISTRATIVE ASSESSORS: SUMMARY OF RESPONSIBILITIES AND HIGHLIGHTS FOR 2014-15

ACADEMIC AFFAIRS COMMITTEE:

Prof. Amy Mullin, Vice-Principal, Academic and Dean (VPA)

- The role of the Vice Principal and Academic with respect to campus governance includes oversight of the academic departments, engaging in periodic external review of those departments, and evaluating and supporting their plans for curricular innovations, along with developing initiatives that support the research, teaching and learning on our campus.
- In the 2014-15 academic year, the Office of the Dean will sponsor new programs, program closures, development of additional combined programs, and the introduction of new courses to serve our existing programs. Most of these items sponsored by the Office of the Dean will be submitted for Academic Affairs Committee consideration. The planning and resource implications of the establishment, termination or restructuring of academic units and proposals for Extra-Departmental Units are within the responsibility of the Campus Affairs Committee and will be submitted to this committee.

Prof. Bryan Stewart, Vice-Principal, Research (VPR)

- Broadly responsible to promote, enhance, and facilitate research and scholarly activity at UTM. The VPR aims to inspire a strong sense of shared research vision within the UTM research community and he/she represents and promotes UTM research locally, nationally, and internationally.
- Works closely with the Vice-President and Principal, UTM and the senior administrative team to develop strategic research plans and direction for the campus;
- Interacts with the Vice-Principal, Academic and Dean on matters of research that are integral to the academic mission of UTM.
- Since research activity cuts across undergraduate and graduate programs, involves postdoctoral fellows, research associates, and faculty, and in many cases requires significant research infrastructure and finances, the VPR interacts closely with the administrative teams associated with each of these groups.
- Coordinates with the Vice-President, Research & Innovation of the university and with the Vice-Principal Research, UTSC to ensure the alignment of strategic research activities within the wider University of Toronto context.

- Work closely with the Division of Research and Innovation and its offices, on matters relating to research services, innovation & partnerships, research compliance & oversight, and research ethics.
- Collaborates with Departmental Chairs and faculty on long-term research plans and initiatives, and on the development of research funding opportunities.

Prof. Ulrich Krull, Vice-Principal, Special Initiatives (VPSP)

- On behalf of the Vice-President and Principal (VP&P), oversees major new initiatives of UTM-wide scope and significance ("major projects"), as determined from time to time by the UTM's senior administration. Examples include the development of: the *Institute for Management and Innovation*; academic programs at UTM in partnership with the Faculty of Applied Science and Engineering; a new laboratory science building; integration of UTM activities with the local health sciences community.
- Working with the Vice-Principal Academic & Dean, engages with appropriate academic units at UTM, and when necessary, across the University's tri-campus system, to develop and execute inter-disciplinary initiatives comprising the major projects.
- Works collaboratively with the VP&P and members of UTM's senior administration ("Principal's Table") to engage external stakeholders in the public and private sectors to forge alliances and partnerships as required for the success of the major projects.
- Works closely with the VP&P, Vice-Principal Academic & Dean, the Chief Administrative Officer, and others to help develop financing and business plans for the major projects.
- Participates, with the VP&P and the Executive Director of Advancement, in developing external-funding proposals to philanthropists, agencies, foundations, and governments for selected projects.
- Represents the interests of the University of Toronto Mississauga at selected external organizations such as the Research Innovation Commercialization Centre, Advantage Mississauga, and the Healthy City Stewardship Centre, as well as internal committees.
- As a member of the Principal's Table, participates in the day-to-day administration of the University of Toronto Mississauga.

Childhood in the City

Ron N. Buliung
Associate Professor
Geography
University of Toronto
Mississauga
ron.buliung@utoronto.ca

What is Childhood?

- A phase in life?

- A socio-cultural, political-economic construct?

- A biomedical life phase
  - United Nations
    - Child 0 to <= 14 years
    - Youth 15 to 24 years
    - BUT UN convention on the Rights of the Child <= 18 years

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Outline

- Childhood?

- Why focus on children?

- Why are we seeing, what we are seeing?

- Concluding Remarks

Mum, why can't I walk to school?

Cos there's too much traffic.

First world problems!

Factsheet on the World Malaria Report 2013

December 2013

Disease burden in 2012

Malaria is an entirely preventable and treatable mosquito-borne illness. In 2013, 97 countries had on-going malaria transmission.

An estimated 3.4 billion people are at risk on malaria, of which 1.2 billion are at high risk. In high-risk areas, more than one malaria case occurs per every 1000 population.

There were an estimated 207 million cases of malaria in 2012 (uncertainty range: 135 – 287 million) and an estimated 627 000 deaths (uncertainty range: 473 000 – 789 000). 90% of all malaria deaths occur in sub-Saharan Africa, and 77% occur in children under five.

In 2012, malaria killed an estimated 483 000 children under five years of age. That is 1300 children every day, or one child almost every minute.

© Olivier Jobard/Sipa), Libya : Children and schools are often the first to suffer the consequences of armed conflict. Mines and unexploded ordnance pose a continuing danger to children, including on their way to school. In Misrata, Amal Al Torchani, 11, attends class in an environment still marked by the fighting.

200,000 Syrian child refugees at risk

More than 200,000 Syrian child refugees are to suffer a bitter winter of freezing temperatures and rain without proper shelter or clothing, a charity has warned.

Syrian children who fled with their families from the violence in their village, sit on the ground in Atmeh, near the Turkish border with Syria Photo: AP Photo/Khalil Hamra

© Alfred Yaghobzadeh/Sipa, India : Thirteen-year-old Barna Momdal lives in a shack on Chetla Road next to the busy and dangerous train tracks of Alipur train station. Every morning she walks the 40 minutes to the Model school with her friends. The school, managed by Tomorrow's Foundation, boasts a 100 percent attendance rate thanks to innovative teaching methods and strong parental involvement.

Central African Republic

- An estimated 6,000 child soldiers in the CAR involved in yet another possible genocide in Sub-Saharan Africa.

2

These ship-breakers claim to be 14, the minimum legal age to work in the yards. Managers favor young workers because they are cheap and know less about the dangers, and their small bodies enable them to access a ship's tightest corners.
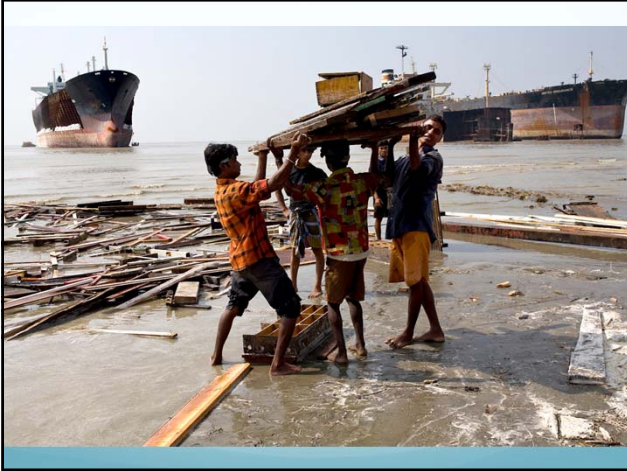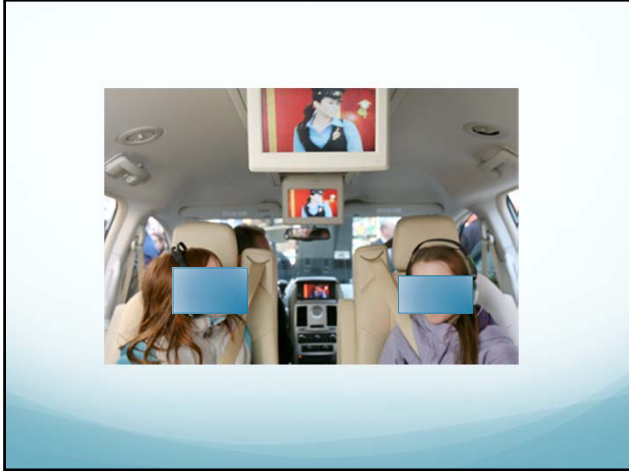
Most of my work during the last 7 years has focused on mobility in childhood….

I'm not sure if it's safe for you to walk to school – you might meet the kinds of people who walk.

Childhood happens in different environments

Pre-1960 neighbourhoods

Other neighbourhood types

Context

Toronto congestion costs Canada $3.3-billion: OECD

BRODIE FENLON
Toronto — From Tuesday's Globe and Mail
Published Monday, Nov. 09 2009, 8:08 PM EST
Last updated Friday, Nov. 20 2009, 2:56 AM EST

- We have a multi-billion dollar commuting problem in this region.

- Mobility in childhood affects quality of life.

- Acquisition of transport-based tacit knowledge begins in childhood.

- Children are our transport future!

Why children?

- We have already made a commitment.
- Tomorrow's adult commuters.
- Unhealthier over time.
- Less active over time.
- Sometimes children are killed by and in cars.
- Disenfranchised, marginalized.
- Adult behaviour is harder to change.
- Lifelong travel habits may be linked to childhood

School Trips as a Proportion of Total Daily Trips
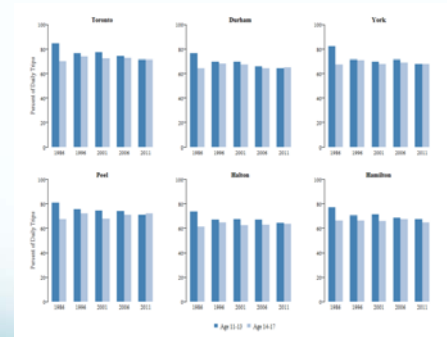
We have already committed…

Vision: 25 years from now 60% of children will travel actively to school.

Goals A.2.: Improved accessibility for seniors, **children** and individuals with special needs and at all income levels.

Goal C.: Active and Healthy Lifestyles: Walking and cycling will be attractive and realistic choices for all, including **children** and seniors.

Goal D.: Safe and Secure Mobility: Getting around will be safer and more secure. Parents will feel comfortable allowing and encouraging their **children** to walk, cycle or take public transit to school.

Goal D.10.: Improved real and perceived traveller safety, especially for women, **children** and seniors.
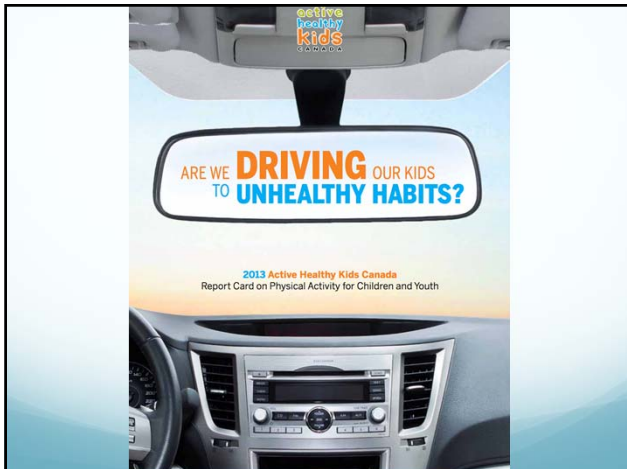
Why children?

- We've already committed.
- Tomorrow's adult commuters.
- Unhealthier over time.
- Less active over time.
- Sometimes children are killed by and in cars.
- Disenfranchised, marginalized.
- Adult behaviour is harder to change.
- Lifelong travel habits may be linked to childhood
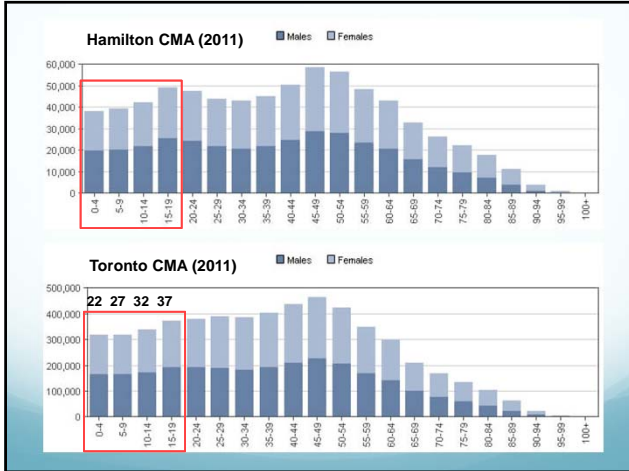
Overweight and obesity

Canada: overweight and obesity rates increased from 15% in 1979 to 26% in 2004 (Ages 2-17) (Shields 2006)

Boys: 17% to 27%

Girls: 15% to 25%

US: overweight and obesity rates increased from 15% in 1971 to 31% in 2006 (Ages 2-19)   (Ogden et al. 2011)

Boys: 15% to 31%

Girls: 15% to 30%

Why children?

✓ We've already committed.

✓ Tomorrow's adult commuters.

▪ Unhealthier over time.

▪ Less active over time.

▪ Less active transport over time.

▪ Sometimes children are killed by and in cars.

▪ Disenfranchised, marginalized.

▪ Adult behaviour is harder to change.

▪ Lifelong travel habits may be linked to childhood

Why children?

- ✓ We've already committed.
- ✓ Tomorrow's adult commuters.
- ✓ Unhealthier over time.
- ▪ <u>Less active over time.</u>
- ▪ Less active transport over time.
- ▪ Sometimes children are killed by and in cars.
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Why children?

- ✓ You've already committed.
- ✓ Tomorrow's adult commuters.
- ✓ Unhealthier over time.
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- ▪ <u>Less active transport over time.</u>
- ▪ Sometimes children are killed by and in cars.
- ▪ Disenfranchised, marginalized.
- ▪ Adult behaviour is harder to change.
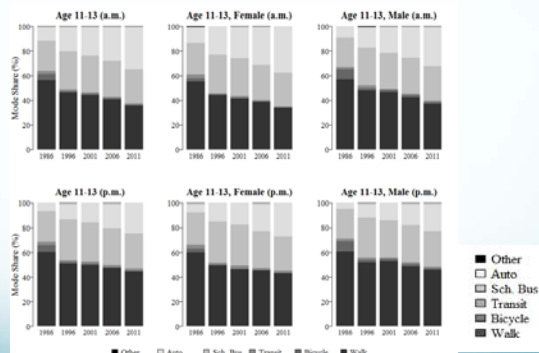- ▪ Lifelong travel habits may be linked to childhood

Active Travel in Decline

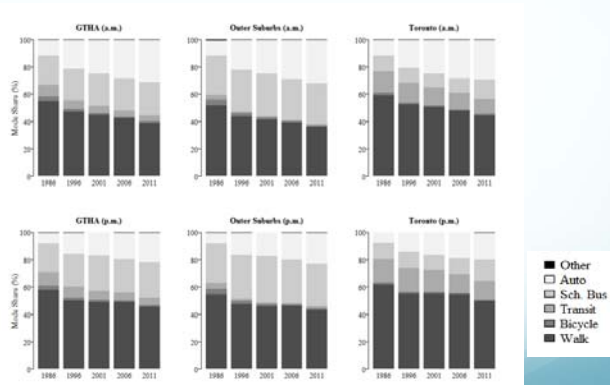| To School	1986			2011		
GTHA	Total	F	M	Total	F	M
Walk	55.0%	55.2%	54.8%	39.0%	37.8%	40.1%
Cycle	3.1%	1.6%	4.6%	1.0%	0.4%	1.6%
Transit	8.8%	9.4%	8.2%	4.5%	5.0%	4.0%
School Bus	21.1%	21.6%	20.7%	24.3%	24.6%	24.1%
Auto	11.6%	11.9%	11.2%	30.8%	31.9%	29.8%
Other	0.4%	0.3%	0.5%	0.3%	0.2%	0.4%

Decades of decline in active travel:

- United States 5-18 years old: 41% in 1969 to 13% in 2009 (McDonald et al. 2011)

- Moving by motor (transit, school bus, car) has become the norm: 41.5% (1986) to 61.5% (2011)

Age 11-13 years (Peel)

Age 11-13 years

Why children?

✓ We've already committed.

✓ Tomorrow's adult commuters.

✓ Unhealthier over time.

✓ Less active over time.

✓ Less active transport over time.

▪ <u>Sometimes children are killed by and in cars.</u>

▪ Disenfranchised, marginalized.

▪ Adult behaviour is harder to change.

▪ Lifelong travel habits may be linked to childhood

In Canada, in 2005, the fatality rate of child and youth occupants (aged 0–19) was seven times that of pedestrians (Public Health Agency of Canada 2009).

In 2008/09 the hospitalization rate of young automobile occupants (aged 0–24) was almost five times that of

pedestrians (ibid.).

Years of Life Lost, Canada (2010) 5-14 years

Road Traffic >17%

1. *Global Burden of Disease Study, 2010* http://viz.healthmetricsandevaluation.org/gbd-compare/

Why children?

✓ We've already committed.

✓ Tomorrow's adult commuters.

✓ Unhealthier over time.

✓ Less active over time.

✓ Less active transport over time.

✓ Sometimes children are killed by and in cars.

✓ Disenfranchised, marginalized.

▪ <u>Adult behaviour is harder to change.</u>

▪ Lifelong travel habits may be linked to childhood

Adult's are less Flexible

Is transportation
generational?

Who are the
champions?

Who should be
the champions?

Why children?

- ✓ We've already committed.
- ✓ Tomorrow's adult commuters.
- ✓ Unhealthier over time.
- ✓ Less active over time.
- ✓ Less active transport over time.
- ✓ Sometimes children are killed by and in cars.
- ✓ Disenfranchised, marginalized.
- ✓ Adult behaviour is harder to change.
- ▪ Lifelong travel habits and thinking about design may be linked to childhood

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Why are we seeing, what we are seeing?

A tail of two studies:

Study 1: How do elements of neighbourhood design and the available supply of transport options across the region associate with CIM for school travel? Walk/Drive; Walk Independent/Otherwise

- ▪ **DATA:** Harris Decima, 2011 Metrolinx Greater Toronto and Hamilton Area School Travel Attitudinal Study Report. Computer aided telephone interviews were conducted between May 9 and 20, 2011 of 1016 parents and guardians of children attending elementary school in the GTHA.

Distribution of sample: All (n=888)
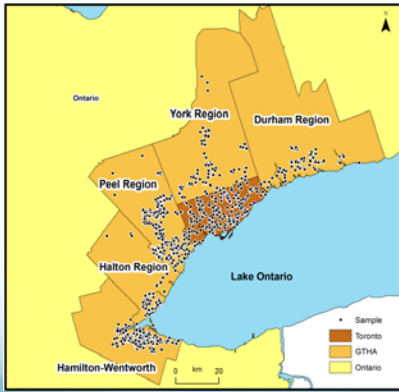
Why are we seeing, what we are seeing?

Study 2: What are the social and environmental correlates of CIM across different types of neighbourhoods in the City of Toronto?

▪ **DATA:** Project BEAT grade 5 and 6 students and their parents from 17 schools located across Toronto's diverse range of neighbourhoods independently completed travel behaviour surveys (n=1035) and a mapping exercise to obtain routes travelled to and from school.

Weighted sample
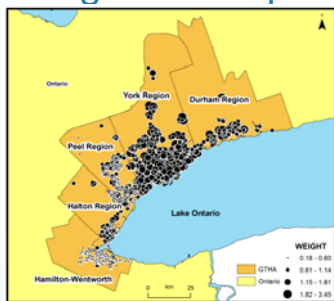
Routes and Environmental data

Why are we seeing, what we are seeing?

- Distance
- Gender
- Ageing in place…
- Fear & Safety

- Traffic
- To/From School
- Street Crossings

Distance
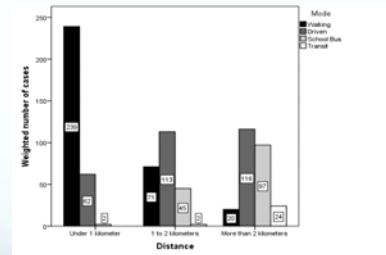
DISTANCE

## To School (GTA) '86-'06
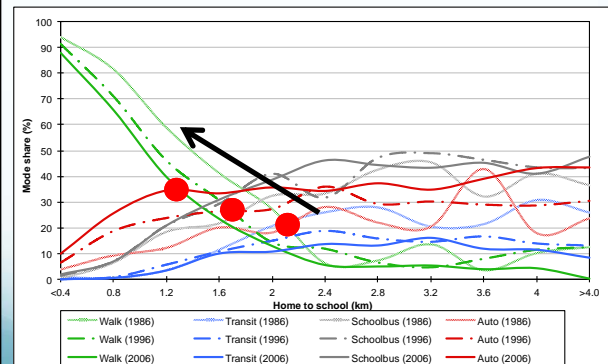
Average Distance to School

GENERID
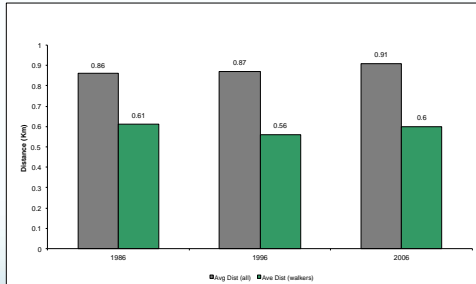
GENDER

Half-empty schools costing TDSB millions

KATE HAMMER
EDUCATION REPORTER — The Globe and Mail
Published Friday, Sep. 05 2014, 9:27 PM EDT
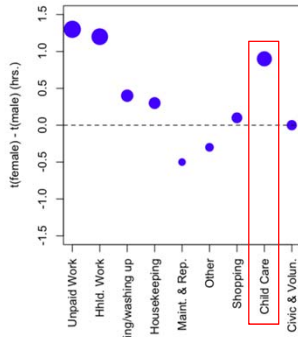Last updated Saturday, Sep. 06 2014, 7:28 AM EDT

OPPORTUNITY COST?
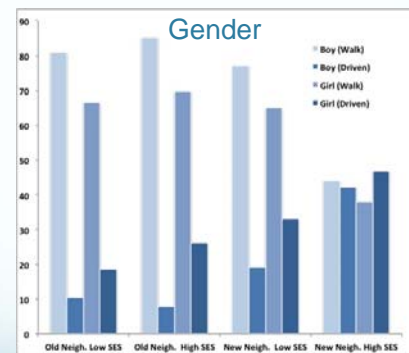
Gender

Boys are more likely to engage in AST than girls, if you want to increase AST rates, then the gender question needs to be part of the conversation.
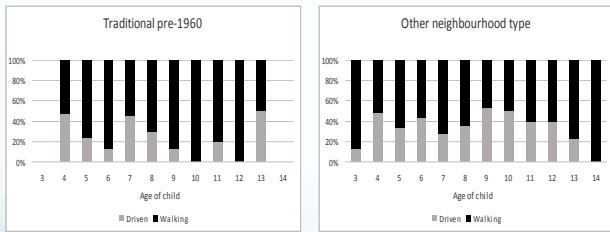
Age 11-13 years
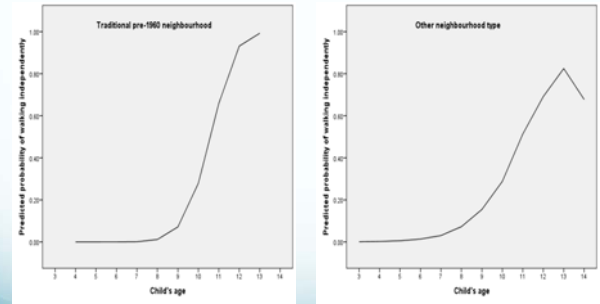
Female walking mode share > than male
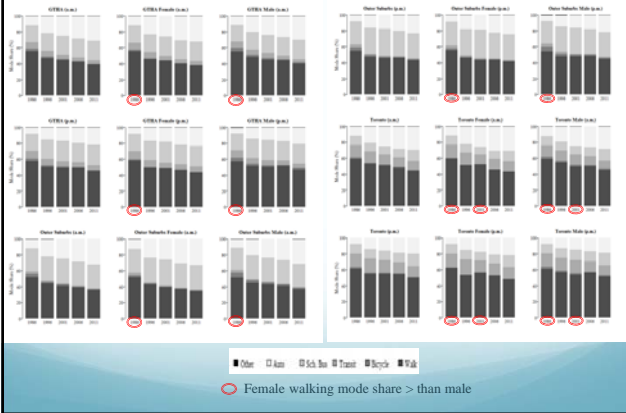
AGEING IN PLACE

Gender Differences in Time Use over 24 Hours (Unpaid Activities)
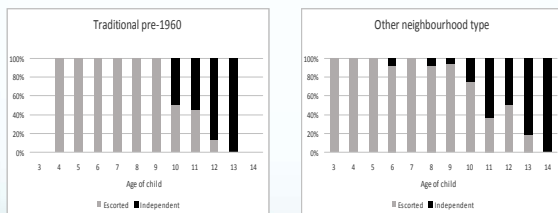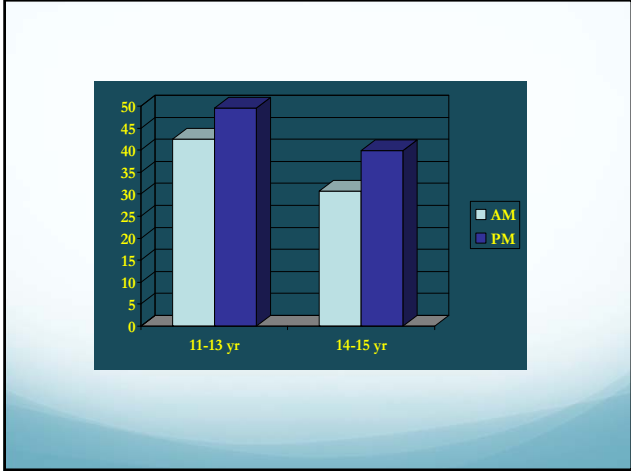
Walk/drive by neighbourhood type & child age (GTHA model)

Independent walk to school by neighborhood type & child age (GTHA Model)

Independent walk to school by neighborhood type & child age (GTHA Model)

TO/FROM SCHOOL

Concluding Remarks

Our Transport Future Depends on a Planning Process that begins to think Seriously about Childhood in the City