



CAEP | ACMU

Academic Section Environmental Scan Pediatric Hospital Version

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Pediatric Environmental Scan

**Academic Section of the Canadian Association of Emergency
Physicians**

June 20, 2016

Introduction

The Academic Section will undertake an environmental scan of pediatric emergency medicine (PEM) activities at all Canadian medical schools and major teaching hospitals. This scan will help the Academic Section meet several of its objectives, as outlined in its Terms of Reference:

- Create a database of academic activities, physician leaders, infrastructure, and resources at each Canadian medical school
- Support academic PEM departments, divisions or units at each medical school and teaching hospital to ensure appropriate status, resources, and infrastructure
- Support teaching programs and directors in the education of medical students, pediatric or EM, off-service residents, pediatric EM fellows, faculty physicians, community physicians, and allied health professionals
- Promote high-quality research activities at Canadian medical schools and teaching hospitals in order to improve patient care

We expect that the scan will identify areas of strength and weakness at each medical school and teaching hospital, allowing the Academic Section to better plan strategies to improve academic activities. We believe that individual sites may be empowered by the knowledge of what is being done elsewhere and this may lead to successful requests for increased support from the universities and hospitals.

Process

A questionnaire has been developed with questions focusing on the three main domains of Administration, Education, and Research. Staff at CAEP will work with administrative staff at each site to complete the electronic survey form.

Where necessary, a member of the Academic Section will conduct telephone interviews with physician leaders to supplement data obtained on the form. The questionnaire questions are attached.

We plan to compile tables allowing easy comparison of sites. Some specific data related to funding will be kept confidential. Detailed tables will be offered to leaders at each site and ultimately we hope to make the results publicly accessible. Finally, an abbreviated version will be published in *CJEM*.

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Survey Outline

(survey page number)

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University Name:

Name of Department or Division:

Name and contact information of person(s) completing survey:

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1. Administration Questions

(a) University Status

Is Pediatric Emergency Medicine (PEM) specifically recognized as a specialty at your university?

- Yes
- No

Since yes (PEM is recognized as a specialty), what is it recognized as?

- Department
-

Joint Department

- Division
- Section
-

Other, please specify...

Since yes (PEM is recognized as a specialty), what is it primarily within?

- Pediatrics
- Emergency Medicine
- Surgery
-

Other, please specify...

Can faculty have cross-appointments to Emergency Medicine (EM)?

- Yes
- No

What % of your faculty have cross-appointments to EM?

 %

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1. Administration Questions

(b) Major Teaching Hospitals

(defined as a large academic health science centre with a wide range of residency programs as well as medical student clerkship activity; usually these hospitals are in close proximity to a medical school and conduct research)

Do you have a specialized Pediatric Hospital?

- Yes

- No

Since yes (specialized Pediatric Hospital), list the name:

Since there is no specialized Pediatric Hospital, do you have separate specialized pediatric ED?

- Yes
- No

Does your pediatric ED regularly take residents for rotations?

- Yes
- No

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1. Administration Questions

(c) University Personnel

Does your PEM department or division have an Academic Chair/Chief?

- Yes
- No

Since yes there is an Academic Head/Chief, is the position funded?

- Yes
- No

Since the Academic Chair/Chief is funded, indicate source of funding (all that apply):

- University
- Hospital
- Physician Group
-

Other, please specify...

Does your PEM Group have a university-recognized Academic Vice-chair/Vice-chief?

- Yes
- No

Since yes there is a university recognized Academic Vice-chair / Vice-chief, is this position funded?

- Yes

- No

If the Academic Vice-chair / Vice-chief is funded, indicate source of funding (all that apply):

- University
- Hospital
- Physician Group
-

Other, please specify...

Indicate number of FTE (full-time equivalent) administrative staff (exclusive of those specifically for education or research staff):

Indicate source of funding for FTE administrative staff (select all that apply):

- University
- Hospital
- Physician Group
-

Other, please specify...

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1. Administration Questions

(d) Faculty

Total MDs working in your PEM Group:

Indicate how many MDs in each of the following categories.

	Number?
Primary appointment to university dept/division of PEM	<input type="text"/>
Full professors	<input type="text"/>
Associate professors	<input type="text"/>
Assistant professors	<input type="text"/>
Lecturers	<input type="text"/>
Clinical appointment	<input type="text"/>

Indicate the number of non-physician PhDs with university appointment:

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2. Education Questions

Most questions relate to Faculty whose primary appointment is with Pediatric Emergency Medicine and who work at the major teaching hospitals.

(a) Undergraduate Education

Do you have a PEM clerkship program?

- Yes
- No

Since yes (PEM clerkship program), how many weeks is your clerkship program?

-

Longitudinal program

-

Specific number of weeks, specify how many:

-

Other, please specify...

Since yes there is a clerkship program, then what is the average number of students per year?

Since yes there is a clerkship program, then what is the maximum number of students?

Is there a Clerkship Director?

- Yes
- No

Since yes there is a Clerkship Director, is the position funded?

- Yes
- No

Do faculty provide non-clinical "teaching shifts"?

- Yes

- No

Since yes (to non-clinical "teaching shifts", are these shifts funded?

- Yes
- No

Please answer the following yes/no questions.

Yes or No

Do you provide observerships or electives to pre-clerkship students? Yes

No

Do you have a combined Education Committee for all programs? Yes

No

Do you have a compensation or points system to reward faculty for teaching activities? Yes

No

Since you have a compensation or points system to reward teaching activities, how much (\$) is provided in total per year:

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2. Education Questions

(b) Off-service Resident Education - PEM

Do you have a Director of Resident Education (i.e., Clerkship Director)?

- Yes
- No

Since yes, is the Director of Resident Education position funded?

- Yes
- No

Indicate source of funding for Director of Resident Education (select all that apply):

- University
- Hospital
- Physician Group
-

Other, please specify...

How many off-service (non-EM or non-pediatrics) residents rotate through annually?

Do you provide specific education sessions for rotating residents?

- Yes
- No

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2. Education Questions

(b) Pediatric Emergency Medicine Fellowship Program

Do you offer PEM Fellowship training program?

- Yes
- No

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2. Education Questions

(b) Pediatric Emergency Medicine Fellowship Program (continued)

How many CARMS fellows per year?

Minimum number in the last 2 years:

Average number over the past 2 years:

Maximum number in the past 2 years:

How many fellows per year funded from other sources?

Minimum number in the last 2 years:

Average number over the past 2 years:

Maximum number in the past 2 years:

Do you have a Fellowship Director?

- Yes
- No

Since yes, is the Fellowship Director funded?

- Yes
- No

Indicate source of funding for the Fellowship Director (select all that apply):

- University
- Hospital
- Physician Group
-

Other, please specify...

Is there an Assistant Fellowship Director?

- Yes
- No

Since yes, is the Assistant Fellowship Director position funded?

- Yes
- No

Indicate source of funding for Assistant Fellowship Director (select all that apply):

- University
- Hospital
- Physician Group
-

Other, please specify...

Indicate number of FTE support staff for PEM Fellowship Program:

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2. Education Questions

(d) Sub-specialty Fellowship Training

Do you offer advanced PEM Fellowship training?

- Yes
- No

2. Education Questions

(d) Sub-specialty Fellowship Training
(continued)

Indicate types of advanced PEM Fellowship training and whether the Director is funded.

	Do you have this type of fellowship?	Is the Director funded?
Ultrasound:	<input type="radio"/> Yes	<input type="radio"/> Yes
	<input type="radio"/> No	<input type="radio"/> No
EMS / Disaster:	<input type="radio"/> Yes	<input type="radio"/> Yes
	<input type="radio"/> No	<input type="radio"/> No
Simulation	<input type="radio"/> Yes	<input type="radio"/> Yes
	<input type="radio"/> No	<input type="radio"/> No
Education	<input type="radio"/> Yes	<input type="radio"/> Yes
	<input type="radio"/> No	<input type="radio"/> No
Trauma	<input type="radio"/> Yes	<input type="radio"/> Yes
	<input type="radio"/> No	<input type="radio"/> No
QI	<input type="radio"/> Yes	<input type="radio"/> Yes
	<input type="radio"/> No	<input type="radio"/> No
Others	<input type="radio"/> Yes	<input type="radio"/> Yes
	<input type="radio"/> No	<input type="radio"/> No

If necessary, identify "others" and indicate if the director is funded.

2. Education Questions

(e) Special Programs

How many physicians have a stipend to teach:

A second box will appear to describe the "Other", once you have entered the number of physicians.

	Number	Name / Describe
Ultrasound	<input type="text"/>	

	Number	Name / Describe
Simulation	<input type="text"/>	
Other 1	<input type="text"/>	
Other 2	<input type="text"/>	
Other 3	<input type="text"/>	

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2. Education Questions

(f) (Outreach) Continuing Professional Development (CPD)

Do you have a Director of CPD?

- Yes
- No

Since yes, is the Director of CPD funded?

- Yes
- No

Indicate source of funding for Director of CPD (select all that apply):

- University
- Hospital
- Physician Group
-

Other, please specify...

Do you host an annual PEM CPD/CME conference?

- Yes
- No

Since yes you hold an annual PEM CPD/CME conference, how many days?

Since yes you hold an annual PEM CPD/CME conference, how many registrants were there last year?

Does your Department/Division of PEM host any of the following workshops or training courses?

	Do you host any of the following workshops or training courses?	How many per year?
PALS	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
APLS	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
ATLS	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
NRP	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
Ultrasound	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
Simulation	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
Other	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>

If you indicated other, please name and indicate how many per year.

Do you provide CPD/CME Outreach lectures/workshops at community hospitals?

- Yes
- No

Since yes, how many CPD/CME Outreach lectures/workshops do you provide at community hospitals per year?

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2. Education Questions

(g) Faculty Development

Please indicate the number of the following:

	Number
Faculty members with a graduate education degree	<input type="text"/>
Faculty members who have completed a formal education fellowship	<input type="text"/>

Faculty members who are funded to carry out education scholarship

Faculty members with external peer-reviewed salary awards for educational research / scholarship

Number of external peer-reviewed education grants that your group currently holds

Number of education focused peer-reviewed publications that your group has had in past 5 years

Number

Does your University have an Academic Education Institute/Facility with PhD educators?

- Yes
- No

Education scholarship funding

	Yes or No	If yes, how much per year
Do you reward faculty for education scholarship, excluding salary awards?	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
Do you provide internal education grants?	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>

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3. Research Questions

(Most questions relate to Faculty whose primary appointment is with Pediatric Emergency Medicine and who work at the major teaching hospitals.)

(a) Funded Clinician Researchers - PEM

Do you have a Director of Research?

- Yes
- No

Since yes, is the Director of Research position funded?

- Yes
- No

Indicate the number for each of the following:

Physicians with salary support to conduct research	<input type="text"/>
Funded physicians who have completed a research fellowship with MSc/MPH/PhD degree	<input type="text"/>
Physician classified as Clinician Investigators/Scientists (>25% devoted to research)	<input type="text"/>

Are these physicians affiliated with university or hospital research institute?

- Yes
- No

Since yes, then please name the university or hospital research institute.

Indicate the number for the following:

External peer-reviewed salary awards

External peer-reviewed grants currently held by PIs in your group

Number of these from CIHR or HSFC as PI

Total amount of external peer-reviewed funding held as PI:

Indicate the following:

At present, how many multi-centre studies does your site coordinate?

In addition, how many peer-reviewed studies are you participating in?

How many non-education peer-reviewed publications has your group had in past 5 years?

Do you participate in Pediatric Emergency Research Canada (PERC)?

- Yes
- No

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3. Research Questions

(b) Research Infrastructure

Do all faculty have access to:

- PhD Biostatisticians?
- Database and programming support?
-

Other, please specify...

- Not applicable

Indicate the number of staff available.

Full-time non-physician staff for research activities

Part-time non-physician staff for research activities:

Do you:

	Yes or No	How much is provided per year?
Have a compensation or points system to reward faculty for abstracts or publications?	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
Provide internal research grants?	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>

Do you have a facilitator for resident research projects?

- Yes
- No

How many summer students are hired to assist with research annually?

Do you offer a Research Fellowship?

- Yes
- No

Since yes, how many years is the Research Fellowship?

Since yes, do the fellows obtain a graduate degree?

- No graduate degree
- MSc
- MPH
- MHSc
- PhD

Since yes, do Research Fellows need to complete a thesis?

- Yes
- No

4. Confidential Funding Questions (option 1)

(Funding data will be kept confidential and only provided in anonymous aggregate format)

[Data will be collected one or more times, depending on number of divisions]

Total Academic budget for Department or Division (including education and research) (\$):

Funding Sources by %

	If necessary, describe:	Percentage
University	<input type="text"/>	<input type="text"/>
Hospital	<input type="text"/>	<input type="text"/>
Physicians / Practice Plan	<input type="text"/>	<input type="text"/>
Ministry of Health / Alternate Funding Plan	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>
Total		0

4. Confidential Funding Questions (option 2)

(Funding data will be kept confidential and only provided in anonymous aggregate format)

[Data will be collected one or more times, depending on number of divisions]

Total Academic budget for Department or Division (including education and research) (\$):

Breakdown of total budget by source:

	\$	Describe source, if necessary:
University	<input type="text"/>	<input type="text"/>
Hospital	<input type="text"/>	<input type="text"/>
Physicians / Practice Plan	<input type="text"/>	<input type="text"/>
Ministry of Health / Alternate Funding Plan	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>

Total stipend for academic Chair/Chief (\$):

Total Education budget for Department or Division (excluding external grants and salary awards, but including staff, physician stipends, departmental grants, points) :

Total stipends for all physician directors per program:

	\$	Describe source, if necessary:
Education and Scholarship	<input type="text"/>	<input type="text"/>
Undergraduate Clerkship	<input type="text"/>	<input type="text"/>
Pediatric Emergency Fellowship	<input type="text"/>	<input type="text"/>

	\$	Describe source, if necessary:
Off-service Residents	<input type="text"/>	<input type="text"/>
Ultrasound	<input type="text"/>	<input type="text"/>
Simulation	<input type="text"/>	<input type="text"/>
Fellowships	<input type="text"/>	<input type="text"/>
Continuing Professional Development	<input type="text"/>	<input type="text"/>
Faculty Development	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>

Annual internal research budget for Department or Division (excluding external grants and salary awards, but including staff, physician stipends, departmental grants, points):

Total stipend for Research Director:

Thanks!

Thank you very much for the time and effort you and your groups have made. Your contributions will help form a Canadian strategy to improve academic activities.

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