

AHS Section of Clinical Pharmacology and Toxicology (CPT) Strategic Planning: Key elements 2021-2025

AHS Vision, Mission, Values	Vision: Healthy Albertans. Healthy Communities. Together.	Mission: To provide a patient-focused, quality health system that is accessible and sustainable for all Albertans.	Values: Alberta Health Services' core values – compassion, accountability, respect, excellence and safety – guide our actions and behaviors to achieve excellent patient- and family-centered healthcare for all Albertans.	
AHS Goals	Improve patients' and families' experiences.	Improve patient and population health outcomes.	Improve the experience and safety of our people.	Improve financial health and value for money.
CPT Purpose Statement	The AHS Section of Clinical Pharmacology and Toxicology helps create healthy people, healthy lifestyles and healthy communities. We promote the safe, optimal and rational use of medications, manage and prevent exposures to poisons and chemicals, and support a harm reduction approach in people affected by substance use.			
CPT Strategic Goals (What are we trying to achieve?)	Provide quality, optimized, evidence-based care for all patients who come into contact with drugs and chemicals that pose a threat to their well-being.	Position the Section as a global leader in research related to the discipline of Clinical Pharmacology and Toxicology.	Enrich the education, training and knowledge translation experience for faculty, staff, students, fellows, residents and the general public as it relates to the discipline of Clinical Pharmacology and Toxicology.	Establish the Section as a resource to help prevent the morbidity, mortality and costs associated with adverse drug events and reduce unnecessary use of medications.
CPT Objectives/Actions (How are we going to do it?)	We will recruit physicians trained in CPT or Medical Toxicology to staff the Clinical Pharmacology (CP) and the PADIS Medical Toxicology consult services.	We will create four overarching research themes for the Section, under which all CPT-related research activity is welcomed and supported: <ol style="list-style-type: none"> 1. Precision Medicine 2. Care of the CPT Patient 3. Medication Safety and Adverse Drug Events 4. Quality improvement 	We will contribute to the University of Calgary Undergraduate Medical Education (UME) Clinical Pharmacology and Toxicology series of lectures on an ongoing basis.	We will join UBC's ActionADE initiative to improve recognition, diagnosis, management and reporting of adverse drug events (ADE's).
	We will expand the Clinical Pharmacology physician consultation service to include community-based physicians by joining the Calgary Primary Care Network Specialist Link and Alberta Netcare e-referral services.	We will strengthen relationships within the University of Calgary, specifically, the Cumming School of Medicine research institutes (Big Data initiative in the O'Brien IPH), the Physician Learning Program, and the University of Calgary Precision Medicine Initiative.	We will assist the University of Calgary UME department in the creation of a comprehensive undergraduate pharmacology curriculum.	We will strengthen relationship with AHS Pharmacy Services, the Strategic Clinical Networks (SCN) and the Physician Learning Program (PLP) regarding provincial collection of ADE data.

	We will expand the discipline of Clinical Pharmacology into the outpatient clinic setting to include patients under 65 years of age referred for follow up for adverse drug events, polypharmacy and deprescribing advice.	We will join the University of British Columbia's ActionADE research initiative to improve recognition, diagnosis, management and reporting of adverse drug events.	We will contribute to the University of Calgary Postgraduate Medical Education Clinical Pharmacology and Toxicology series of lectures on an ongoing basis.	We will work with Alberta Precision Laboratories and researchers at the University of Calgary and University of Alberta to develop and implement pharmacogenomic testing in Alberta.
		We will mentor residents and medical students interested in CPT research.	We will contribute to the University of Calgary Faculty of Graduate Studies Precision Health Program series of lectures on an ongoing basis.	We will strengthen our relationship with the University Of Calgary O'Brien Institute Of Public Health and the Institute of Health Economics to collaborate on provincial costs associated with adverse drug events and poisonings.
		We will collaborate with the University of Alberta's Precision Medicine Initiative.	We will ensure that the Royal College CPT residency entry programs (Emergency Medicine, Internal Medicine, Pediatrics, Psychiatry, and Anesthesia) are aware of the Section of CPT, and strengthen our relationships with these programs.	
		We will participate in industry-sponsored research, where appropriate.	We will ensure that Section members contribute to the planning and hosting of the triennial PADIS conference.	
			We will implement the new Royal College Competency by Design (CBD) educational initiative for CPT residents in July 2021.	
			We will ensure that Section members are available for media inquiries.	
			We will establish the University of Calgary Clinical Pharmacology and Toxicology residency program as the go-to program for trainees interested in CPT as part of their career.	

			We will contribute to University of Calgary Continuing Medical Education & Professional Development (CME&PD) educational offerings on an ongoing basis.	
			We will contribute to national and international Continuing Medical Education & Professional Development educational offerings on an ongoing basis.	
CPT Metrics (How will we know when we've done it?) NOTE: All metrics are annual otherwise stated	Number of in-person Clinical Pharmacology consults in Calgary Zone hospitals.	Number of Section members who are University of Calgary research institute members	Medical student pharmacology satisfaction scores on annual Cumming School of Medicine exit survey	Number of pharmacogenomics consultations to the Clinical Pharmacology consult service
	Number of Clinical Pharmacology telephone consults in Calgary Zone hospitals.	Number of research projects involving a Section member	Number of decks of 'Cards' developed for UME curriculum by Section members.	Number of ADE reports through AHS Report on Learning and Safety system before and after initiation of pharmacogenomic testing in Alberta
	Number of Clinical Pharmacology telephone consults from Specialist Link.	Number of quality improvement projects involving a Section member	Number of plays and replays of CPT decks of Cards.	Number of dollars saved by calling PADIS or CP consult service (length of stay, use of antidotes, hospital visit versus staying at home)
	Number of Clinical Pharmacology e-referral consults from Alberta Netcare.	Number of internal and external grant reviews performed by Section members	Number of CPT lectures given by Section members within each of the eight University of Calgary UME core courses	Number of ADE hospitalizations in Alberta before and after initiation of pharmacogenomic testing in Alberta
	Number of physicians on staff for PADIS and Clinical Pharmacology consult services.	Number of publications involving Section members	Completion of '100 drugs to know for clerkship' document for University of Calgary UME curriculum by July 2021	Annual cost of hospitalizations for ADE's before and after initiation of pharmacogenomic testing in Alberta
	Number of in-person and virtual consults in the PADIS Medical Toxicology Clinic.	Amount of research funding awarded to Section members	Number of CPT lectures given by Section members within the University of Calgary PGME curriculum	Number of ADE referrals to Clinical Pharmacology consultation service

	Number of in-person and virtual consults for patients under the age of 65 referred for adverse drug events, polypharmacy and deprescribing advice.	Number of residents and students mentored by Section members	Number of inquiries about the CPT residency program	Number and cost of prescriptions for select medications (e.g. antidepressants, antipsychotics) in Alberta before and after initiation of community physician educational initiatives with the SCN's and PLP
		Number of publications with CPT residents as authors	Number of applicants to CPT residency program	
		Number of research mentorship initiatives attended (e.g. annual University of Calgary Internal Medicine research 'speed dating' event)	Number of CPT residents in program	
		Number of abstracts submitted and accepted by Section members and CPT residents	Number of CPT residents passing the Royal College certification exam	
		Number of scientific research talks (local, national, and international) given per year by Section members and CPT residents	Number of Section members teaching at CPT academic half day	
		Number of external Research Days participated in by Section Members and CPT residents (e.g. Emergency Medicine, Pathology and Laboratory Medicine, HBI, ACHRI, O'Brien)	Number of Section members lecturing in University of Calgary graduate level courses in Individualized Therapy Medicine	
			Number of residents and students rotating on PADIS and CP consult services (both from within and outside the University of Calgary)	
			Number of residents and students attending CPT outpatient clinics (e.g. Medical Toxicology)	
			Number of CPT presentations given by Calgary speakers at the monthly Canadian CPT case conference	
			Number of CME&PD presentations given by Section members	

			Number of presentations given by Section members to the general public	
			Number of media interviews given by Section members	