

## The Expansion of Web-Based Learning in Medical Toxicology: The ACMT Experience

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**Background:** With the growing demand for online education, over the last few years ACMT began offering web-based learning through several different modalities, including live and on-demand webinars, and on-demand eLearning modules. In 2011 ACMT established its monthly National Case Conference webinar series. Additional webinar series including the National Journal Club and ACMT Grand Rounds; and the 12-part DHS-sponsored Chemical Agents of Opportunity series, were added to this online program in subsequent years. In 2014 ACMT began to co-manage the ATSDR/EPA funded Pediatric Environmental Health Specialty Unit (PEHSU) program. PEHSU produced webinars and eLearning modules have continued to expand ACMT's web-based offerings.

**Hypothesis:** Can the development of an online education program in medical toxicology engage health care professionals (HCPs) on an ongoing basis?

**Methods:** Since 2011 ACMT has tracked the number of webinar and eLearning module offerings per year, and the number of HCPs who have availed themselves of this on-line education. The total number of call-in phone lines for each webinar have been tracked. Since in some cases there are multiple people participating from one phone line, beginning in 2014, ACMT began to poll each call-in line to assess the total number of listeners on each phone line. Webinars from both ACMT and PEHSU are also recorded and offered on-demand via the ACMT website or the PEHSU National Classroom ([pehsunationalclassroom.org](http://pehsunationalclassroom.org)). Those accessing these on-demand webinars and eLearning modules in the PEHSU National Classroom have been tracked.

**Results:** ACMT began hosting 12 webinars, attended by at least 633 HCPs based on the number of call-in lines in 2011 and increased to 39 web-based activities (multiple webinar series and eLearning modules) with 4411 attendees by 2016.

**Conclusion:** The development of an online learning program has facilitated additional and accessible education for HCPs throughout the past several years. ACMT has seen a substantial increase in the number of web-based learning activities and participants from 2011 to 2016.