

**Results:** We received responses from 242 physicians (47% EPs, 40% GPs, 13% others). The majority (78%) reported little/no knowledge on determining driver fitness and 94% had little/no training around guidelines, reporting, and laws involving fitness to drive. Most (88%) agreed that physicians should be obligated to advise medically unfit patients not to drive, and 74% reported that they often warn patients not to drive. The majority of physicians also chart their opinion of patients' fitness to drive (67% do so more than twice per year). Most respondents (70%) indicated that it is "always appropriate" to report *definitely* unfit drivers whereas only 25% indicated that it is "always appropriate" to report *potentially* unfit drivers. However, in practice physicians see far more unfit drivers than they report to licensing authority: 67% of physicians encounter *definitely* unfit drivers more than twice per year but only 19% report *definitely* unfit drivers more than twice per year and 34% never report *definitely* unfit drivers. Compared to other physicians, EPs reported less knowledge and training about criteria for determining fitness to drive, were more likely to feel that reporting unfit drivers was not their responsibility, and were less likely to report unfit drivers to licensing authorities. **Conclusion:** Our findings indicate a need for more education and information resources to help physicians, particularly EPs, identify and manage medically unfit drivers. Although most physicians warn unfit drivers not to drive and document this in medical records, many medically unfit drivers are not reported to licensing authorities, a potential public health problem that should be further investigated.

**Keywords:** driver fitness, motor vehicle crashes

#### P025

##### **The Dunning-Kruger effect in medical education: double trouble for the learner in difficulty**

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**Introduction:** It is difficult for learners to perform accurate self-assessments. This difficulty may be exaggerated in unskilled learners, a phenomenon termed the Dunning-Kruger Effect (Dunning & Kruger, 1999). Learners with the least amount of knowledge or skill may paradoxically be more likely to evaluate themselves favorably compared with their peers. This phenomenon is particularly relevant in medicine where we rely on self-directed learning not only in many of our undergraduate and postgraduate programs, but in guiding the pursuit of continuing medical education. The objectives of this study are to 1) determine whether the Dunning-Kruger Effect is present in medical education settings, 2) to determine the quality of studies in this area, and 3) to determine how this effect, if present, could influence approaches to the learner in difficulty. **Methods:** This is a review of the literature. PubMed databases were searched for all relevant articles. Included studies reported self-assessment of medical trainees or staff and comparison with an external rating. Studies were identified using select keywords and MeSH terms. Only studies published in English were included. No publication date limits were adopted. The Medical Education Research Study Quality Instrument (MERSQI) was used to assess study quality. Both authors independently abstracted data and rated study quality. **Results:** Eighty-six articles were identified in the PubMed search. On abstract review, 45 studies were found to meet criteria for further full article review. Studies were variable in setting and approach to self and external assessment. Criteria were not met for pooled analyses/meta-analysis. Results are presented as a summary of findings with special consideration of findings based on level of training (undergraduate, postgraduate, staff clinician). **Conclusion:** This review summarizes the current literature on the Dunning-Kruger Effect in medical education and provides an assessment of the quality of studies

in this area to date. The potential relevance of the Dunning-Kruger Effect in medical education is discussed as are implications for interventions to support the learner in difficulty. Additional study in this area is indicated, in particular given the significant upcoming changes to postgraduate medical education in Canada in the era of Competence By Design (CBD).

**Keywords:** self-assessment, Dunning-Kruger, education

#### P026

##### **Need for training in medical education: staff emergency physician perspectives**

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**Introduction:** Emergency medicine physicians in our urban/suburban area have a range of training in medical education; some have no formal training in medical education, whereas others have completed Master's level training in adult education. Not all staff have a university appointment; of those who are affiliated with our university, 87 have appointments through the Department of Medicine, 21 through the Department of Pediatrics, and 117 through the Department of Family Medicine. Emergency physicians in our area are a diverse group of physicians in terms of both formal training in adult education and in the variety of settings in which we work. The purpose of this study was to gauge interest in formal training in adult education among emergency medicine physicians. **Methods:** With research ethics board approval, we created and sent a 10-item electronic questionnaire to emergency medicine staff in our area. The questionnaire included items on demographics, experience in emergency medicine, additional post-graduate training, current teaching activities and interest in short (30-60 minute) adult education sessions. **Results:** Of a potential 360 active emergency physicians in our area, 120 responded to the questionnaire (33.3%), representing 12 area hospitals. Nearly half of respondents had been in practice over 10 years (48.44%). Respondents were mainly FRCP (50%) or CCFP-EM (47.50%) trained. 33.3% of respondents had masters degrees, of which 15% were MEd. Most physicians were involved in teaching medical students (98.33%), FRCP residents (80%) and family medicine residents (88.3%), though many were also teaching off-service residents, and allied health professionals. More than half of respondents (60%) were interested in attending short sessions to improve their skills as adult educators. The topics of most interest were feedback and evaluation, time-efficient teaching, the learner in difficulty, case-based teaching and bedside teaching. **Conclusion:** Emergency physicians in our area have a wide variety of experience and training in medical education. They are involved in teaching learners from a range of training levels and backgrounds. Physicians who responded to our survey expressed an interest in additional formal teaching on adult education topics geared toward emergency medicine.

**Keywords:** education

#### P027

##### **Nursing duties and accreditation standards and their impacts: the nursing perspective**

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**Introduction:** With ongoing medical advances and an increase in elderly and complex patients presenting to the Emergency Department