

Medico-legal risk associated with diagnostic testing

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Research Question

What are the medico-legal risks and contributing factors associated with diagnostic testing?

Extraction Criteria

Population: all physicians **Interval:** 2019-2021 (3 years)

Status of cases: Closed

Case type: College complaints,

civil legal actions

Interventions: diagnostic imaging interventions, diagnostic interventions and laboratory

investigations

Setting: Any

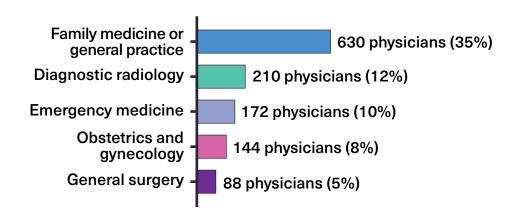
Results

There were **1,429**Canadian Medical
Protective Association
medico-legal cases
that met the criteria
for analysis.

Most frequent physician specialty

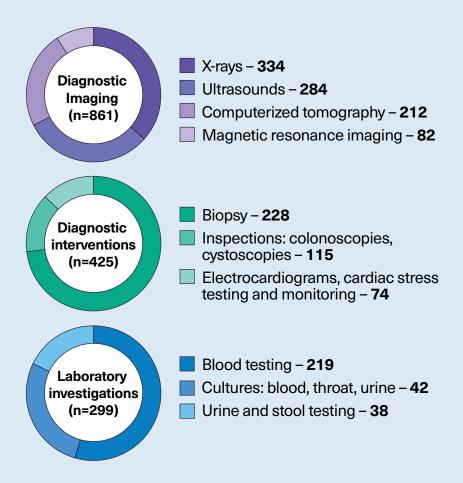
(n=1,811 physicians)

1,811 physicians were involved in the 1,429 cases. Cases may involve more than one physician.

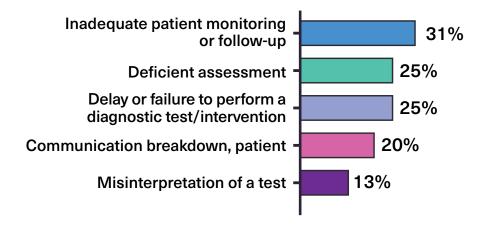


Type of Interventions

(n=1,664 interventions)



Contributing factors to Diagnostic error:



Note: Contributing factors are based on peer expert criticism

Patient Impact

53% (758/1,429)

of cases had a diagnostic error, including misdiagnosis, a missed diagnosis, or a delay in diagnosis

64% (936/1,468)

of patients experienced a harmful incident.

An incident is categorized as harmful when a patient suffers healthcare-related harm, and peer experts were critical of the clinical care a patient received.

Of the 936 patients:

- 116 patients
 experienced severe
 harm (e.g., major
 surgery, intensive care
 unit admission)
- 109 patients died

Patient Presenting Conditions

| Presenting Condition Category | Frequency |
|--|-----------|
| Neoplasms • Breast, prostate, colorectal cancers | 447 |
| Diseases of the genitourinary system | 224 |
| Diseases of the circulatory system Ischemic heart disease and myocardial infarction Arrhythmias Cerebral infarction and haemorrhage | 215 |
| Injuries • Fractures, sprains • Head injuries | 186 |
| Infections Pneumonia Sepsis | 165 |

Key Findings











Risk reduction reminders



Create a robust follow-up system so that results are received, reviewed, and acted on in a reasonable period of time.



Engage and train staff members on their role in managing patient test results.



For workshops and learning resources, visit www.cmpa-acpm.ca

For more information, contact research@cmpa.org

