

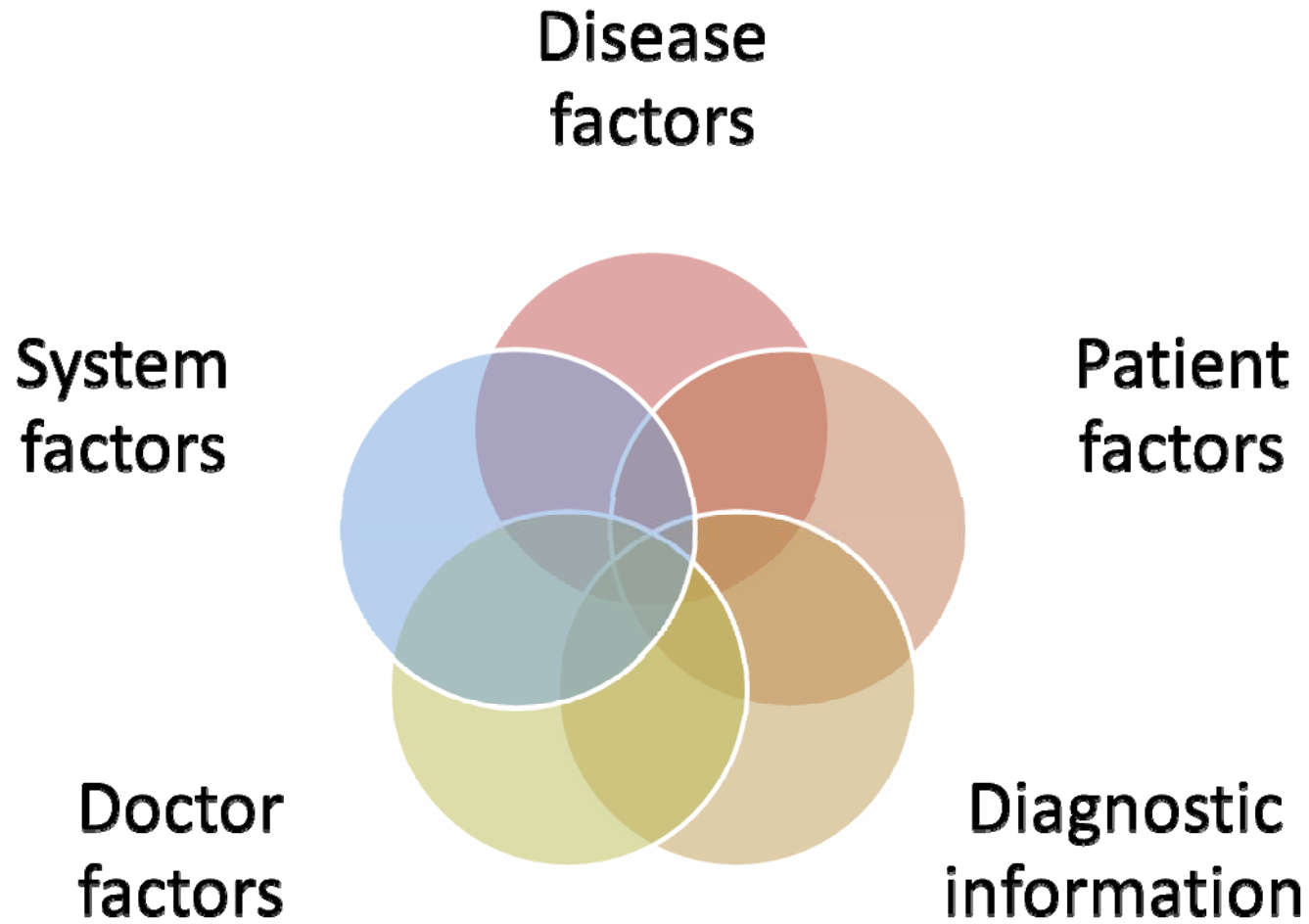
Cognitive Autopsy

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Report Card

- ED physicians are accurate, could do better
 - 98% ortho/83% surgery/78% medicine
- Misdiagnosis assoc with bad outcomes
 - 30% discrepancy btn diagnosis and post-mortem
 - Canada 50% closed malpractice due to misdiagnosis
- Accurate diagnosis cornerstone of efficient ED

“ED is a laboratory for errors”
Croskerry 2009



Type 1 vs Type 2 Thinking

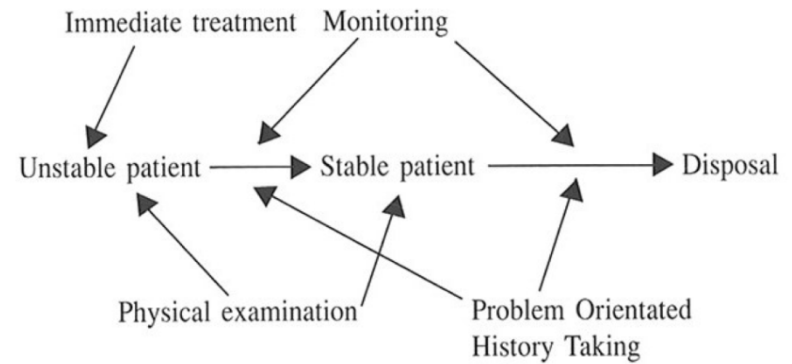


Fig 1 – The deterministic model

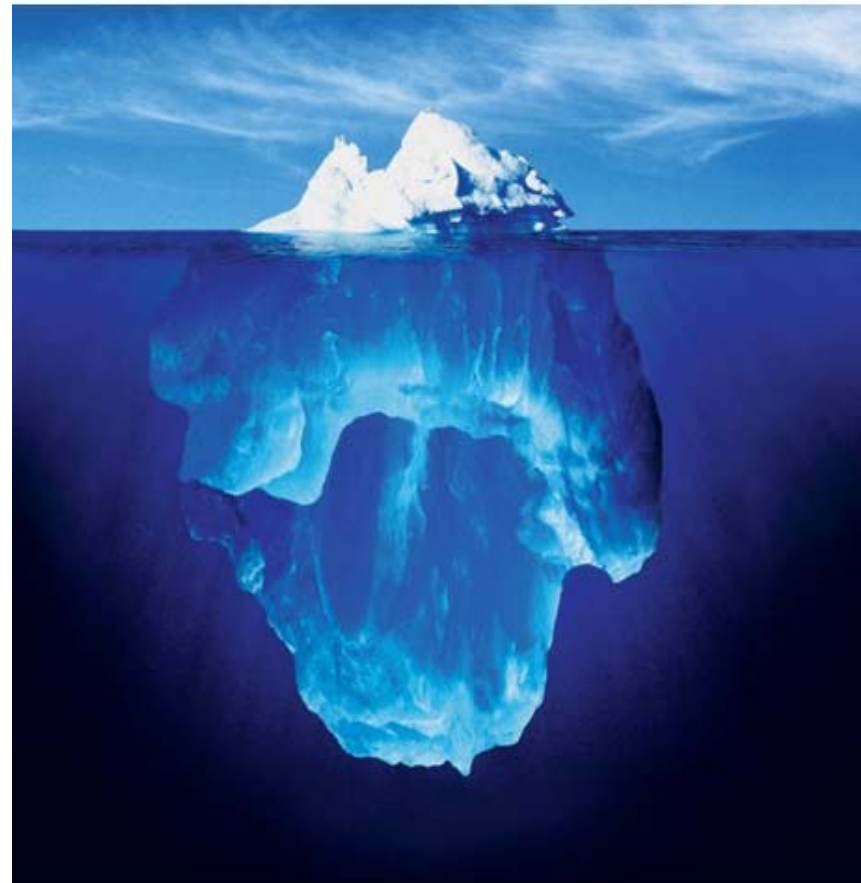


b) The tactical performance model

Fig 2 – The tactical performance model



- Why not more Type 1 thinking?
 - ED grind to a halt
- Type 2, 30 types, heuristics
- metacognitive psychology suggest dual-process thinking is ideal i.e. cognitive autopsy



How do I think?

Individual

- Resuscitation
- Likely diagnosis
- ROWCS
- Rate limiting step?
- Try to document
- Assess data
 - More testing?
 - Home or admit?
 - Remember cognitive autopsy!

Departmental

- Is my department safe?
- Any staff sick, what are my resources vs demands
- Free beds, disposition ASAP
- Bottlenecks
- KPI!!!
- CQI

thankyou

