

Resource Stewardship in Pre-clinical Case-Based Learning

David Gamble, BSEd; Claire Koljack, BA; Christopher King, MD



BACKGROUND & OBJECTIVES

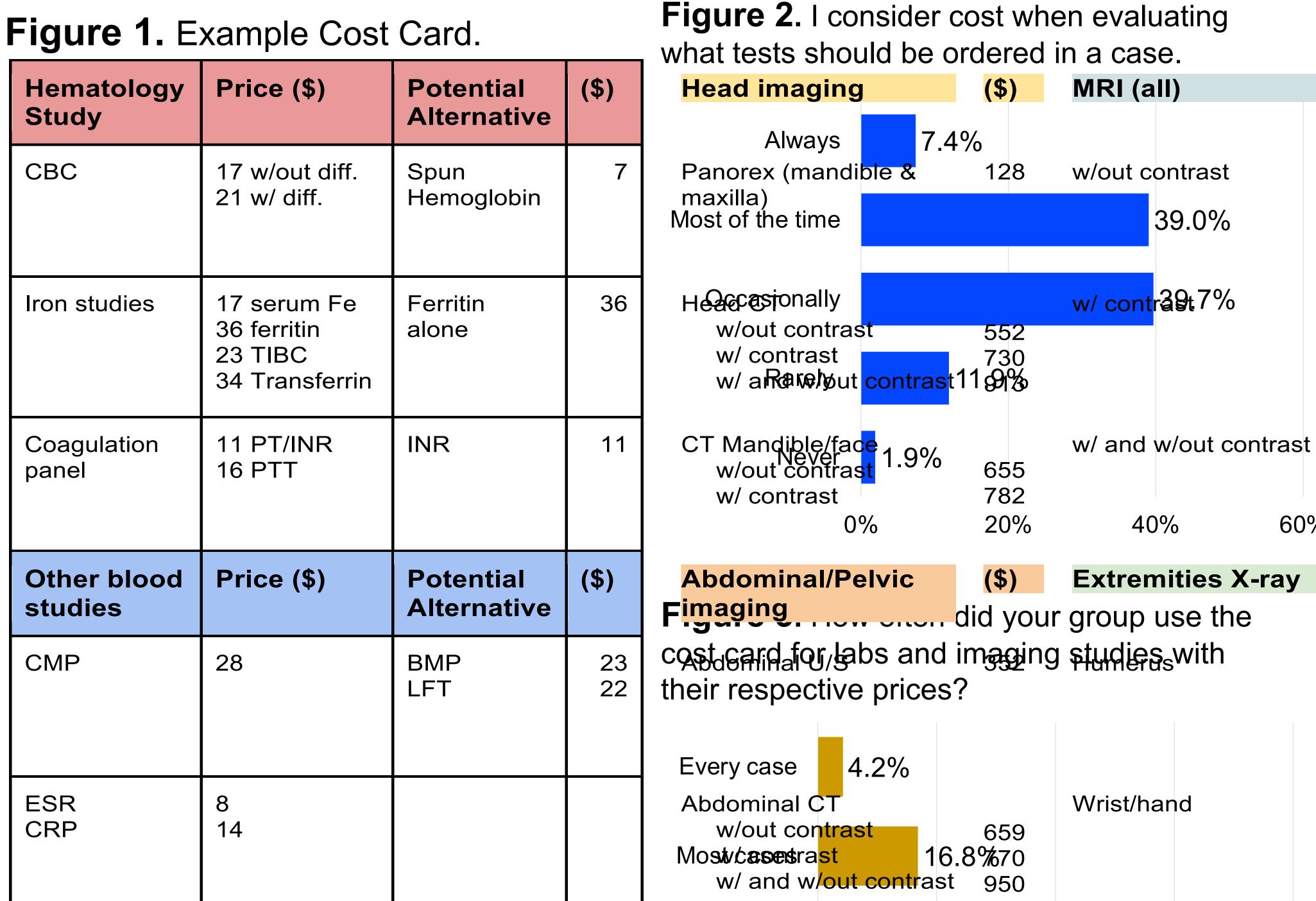
- The US spends more per capita on healthcare than any other nation.¹
- Medical costs contribute to over half of bankruptcies in the US.²
- Physicians are responsible for 80% of healthcare costs.³
- The Choosing Wisely® STARS Campaign aims to integrate healthcare value curricula into medical education programs across the US.

Our "Cost Card" lists prices of diagnostic studies for use in problem-based learning. With use of this tool, learners will be able to:

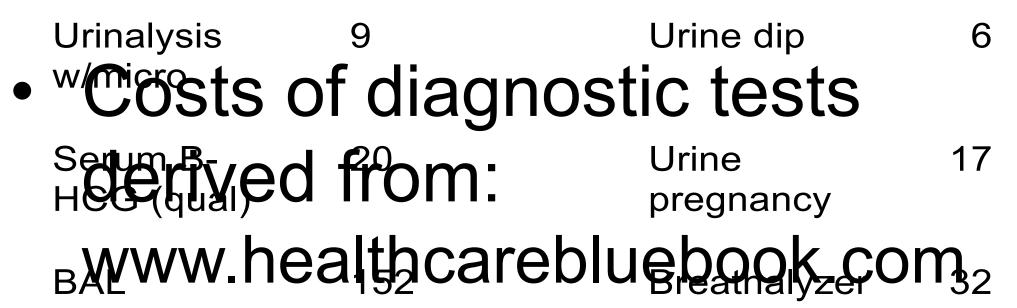
- 1. Consider the financial impact of a diagnostic workup when deciding which tests to order in a problem-based learning case.
- Identify diagnostic studies that are more costly or more affordable for patients within a problem-based learning case.
- 3. Appreciate the impact of unnecessary diagnostic studies on patient care value after completing a problem-based learning course.

METHODS AND RESULTS





Some Cases Pelvic U/S



TSH only

Potential

alternative

44 TSH

17 T3/T4

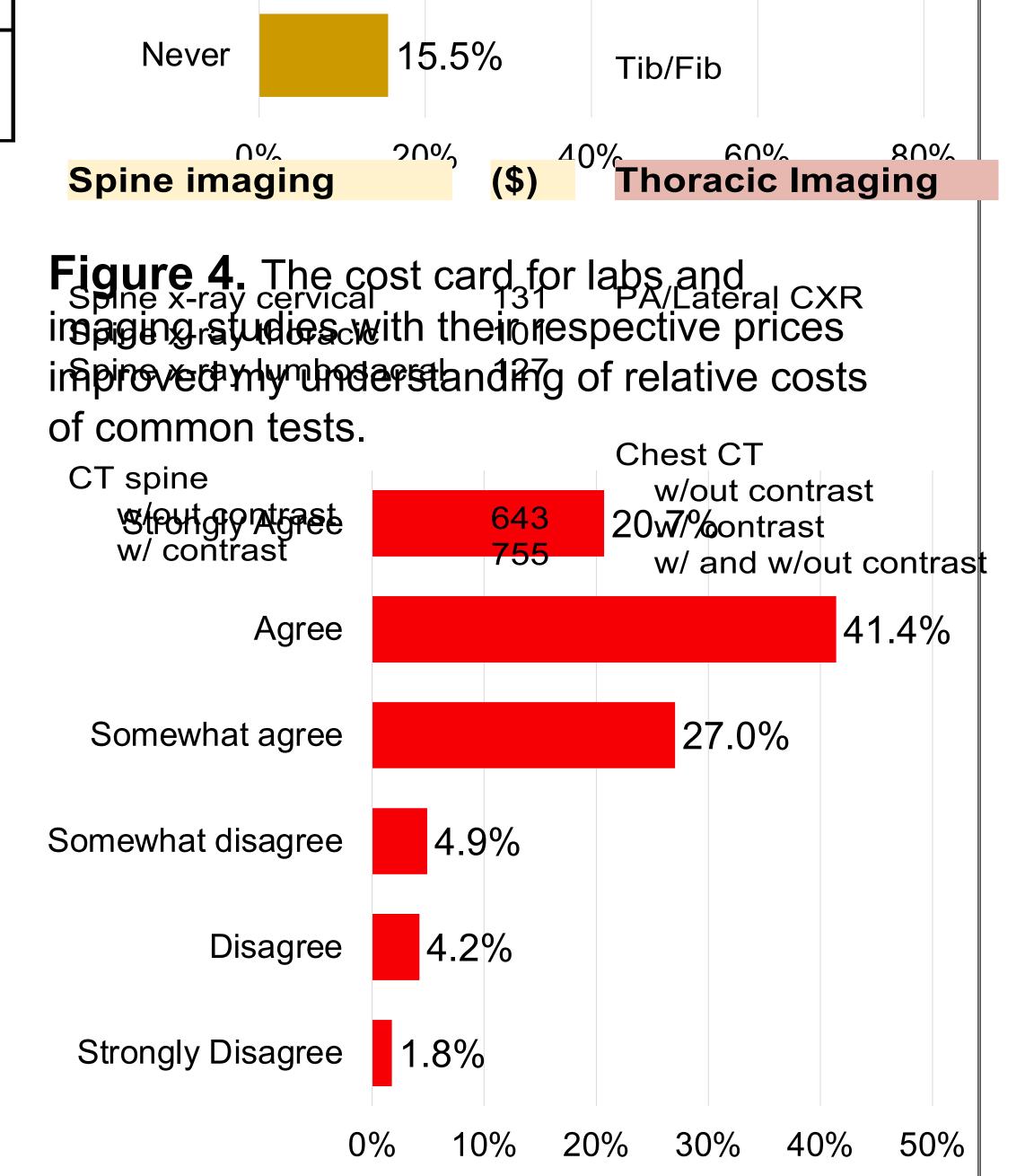
Price (\$)

Lipid profile

Thyroid panel

Other tests

- First- and second-year students used cards in preclinical case-based learning.
- Students answered three questions about cost cards on end-of-year evaluations.



DISCUSSION AND NEXT STEPS

- Cost card incorporation in case-based
- (\$) learning is achievable. It contributes to engagement with and understanding of
- healthcare value concepts.
- Further research is needed to evaluate if 1,205this intervention will decrease resource utilization as students enter residency and unsupervised practice.
- Different versions of cost cards have been incorporated into other specialty-
- (\$) specific small groups for medical students.
- We propose implementation in other medical schools as early in medical education as possible to encourage consideration of cost in clinical

63.4%

92 Scan QR Code to view a digital Cost Card



REFERENCES

reasoning.

- Shrank WH, Rogstad TL, Parekh N. Waste in the US health care system: estimated costs and potential for savings. JAMA. 2019;322(15):1501-
- 2. Himmelstein DU, Lawless RM, Thorne D, Foohey P, Woolhandler S. Medical bankrupty: still common despite the Affordable Care Act. American Journal of Public Health. 2019;109(3):431-433.
- 3. Fred HL. Cutting the cost of health care: the physician's role. *Texas* Heart Institute Journal. 2016;43(1):4-6.