

- Decision Support -

Iterative interaction of a user with a computer to improve decision making

References:

- (1) Bates DW, *et al.* Ten commandments for effective clinical decision support: making the practice of evidence-based medicine a reality. *J Am Med Inform Assoc.* 2003;10(6):523–530
- (2) Khorasani R, *et al.* Ten commandments for effective clinical decision support for imaging: enabling evidence-based practice to improve quality and reduce waste. *AJR.* 2014;203:945-951

Effective Imaging Clinical Decision Support: The 4 E's

- **Efficient**
 - Embed evidence in workflow; reduce redundant data entry
- **Educate**
 - Quality of evidence matters; transparent source and strength of evidence; Any source, including local best practice; eliminate 'low value' alerts and alert fatigue
 - Brief, actionable, unambiguous
- **Encourage, Enforce adoption of evidence**
 - Consequences for ignoring evidence matter: 'accountability tools'

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- (1) Bates DW, *et al.* Ten commandments for effective clinical decision support: making the practice of evidence-based medicine a reality. *J Am Med Inform Assoc.* 2003;10(6):523–530
- (2) Khorasani R, *et al.* Ten commandments for effective clinical decision support for imaging: enabling evidence-based practice to improve quality and reduce waste. *AJR.* 2014;203:945-951