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| **Appendix 2 –**  Common Educational Program Evaluation Methods | | | |
| **Method** | **Description** | **Key citations that explain the model’s applicability to Medical Education** | **Exemplar Paper Using This Technique** |
| Kirkpatrick Evaluation Framework | Consists of four different levels of evaluation outcomes:  Level 1 - participant reactions;  Level 2 - changes in learning;  Level 3 - behavioural changes / translation to workplace;  Level 4 - results (e.g. patient level outcomes). | Yardley S, Dornan T. Kirkpatrick’s levels and education ‘evidence’. Medical education. 2012 Jan;46(1):97-106. | Theilen U, Leonard P, Jones P, Ardill R, Weitz J, Agrawal D, Simpson D. Regular in situ simulation training of paediatric medical emergency team improves hospital response to deteriorating patients. Resuscitation. 2013 Feb 1;84(2):218-22. |
| Logic Model | A visual model which links a program’s resources to activities, and then to outcomes (both intended and unintended). | Van Melle E. Using a logic model to assist in the planning, implementation, and evaluation of educational programs. Academic Medicine. 2016 Oct 1;91(10):1464. | Armstrong EG, Barsion SJ. Using an outcomes-logic-model approach to evaluate a faculty development program for medical educators. Academic Medicine. 2006 May 1;81(5):483-8. |
| Realist (or Realistic) Evaluation | A theory-driven method of evaluation that is well suited to evaluating complex social systems. Examines the links between contexts, mechanisms, and actions in a mixed methods manner. | Wong G, Greenhalgh T, Westhorp G, Pawson R. Realist methods in medical education research: what are they and what can they contribute?. Medical education. 2012 Jan;46(1):89-96. | Lefroy J, Yardley S, Kinston R, Gay S, McBain S, McKinley R. Qualitative research using realist evaluation to explain preparedness for doctors’ memorable ‘firsts’. Medical education. 2017 Oct;51(10):1037-48. |
| Fidelity of Implementation | An evaluation of the degree of adherence to the originally developed model or principles: Is CBME being implemented as intended; | Mowbray CT, Holter MC, Teague GB, Bybee D. Fidelity criteria: Development, measurement, and validation. American journal of evaluation. 2003 Sep;24(3):315-40. | Hahn, Ellen J., et al. "Efficacy of training and fidelity of implementation of the life skills training program." *Journal of School Health* 72.7 (2002): 282-287. |