

Framework for Outcomes Evaluation

Original CME Framework*	Expanded CME Framework	Description	Source of Data
Participation	Participation (Level 1)	Number of physicians and other health care professionals who participated in the CME activity	Attendance records
Satisfaction	Satisfaction (Level 2)	The degree to which the expectations of the participants about the setting and delivery of the CME activity were met	Questionnaires completed by attendees after a CME activity
Learning	Learning: Declarative Knowledge (Level 3A)	The degree to which participants state what the CME activity intended them to know	<i>Objective:</i> Pre- and posttests of knowledge <i>Subjective:</i> Self-report of knowledge gain
	Learning: Procedural Knowledge (Level 3B)	The degree to which participants state how to do what the CME activity intended them to know how to do	<i>Objective:</i> Pre- and posttests of knowledge <i>Subjective:</i> Self-report of knowledge gain
	Competence (Level 4)	The degree to which participants show in an educational setting how to do what the CME activity intended them to be able to do	<i>Objective:</i> Observation in educational setting <i>Subjective:</i> Self-report of competence; intention to change
Performance	Performance (Level 5)	The degree to which participants do what the CME activity intended them to be able to do in their practice	<i>Objective:</i> Observation of performance in patient care setting; patient charts; administrative databases <i>Subjective:</i> Self-report of performance
Patient Health	Patient Health (Level 6)	The degree to which the health status of patients improves because of changes in the practice behavior of participants	<i>Objective:</i> Health status measures recorded in patient charts or administrative databases <i>Subjective:</i> Patient self-report of health status
Community Health	Community Health (Level 7)	The degree to which the health status of a community of patients changes because of changes in the practice behavior of participants	<i>Objective:</i> Epidemiological data and reports <i>Subjective:</i> Community self-report

*Moore DE Jr. A framework for outcomes evaluation in the continuing professional development of physicians. In: Davis D, Barnes BE, Fox R, eds. *The Continuing Professional Development of Physicians: From Research to Practice*. Chicago, IL. American Medical Association Press; 2003:249-274.