

ONLINE APPENDX — Table 4. Theme coding for included records

Year	Author	Organizing Framework	Defined outcomes & milestones	Curriculum of competencies	Demonstrable abilities	Assessment of competencies	Rationale	Learner-centred	Societal needs	Contrast with time	Implementing CBE
1973	Brown, TC	X	X			X	X	X	X	X	
1973	Kane, R	X	X	X			X		X		X
1976	Russel, ML	X	X	X							
1976	Weinstein, HM	X	X	X		X	X	X		X	
1977	Broski, D	X	X	X	X	X	X	X		X	X
1977a	Haupt, JL	X	X								
1977b	Haupt, JL	X	X		X						
1978	Ford, CW	X	X	X							X
1978	McGaghie, WC	X	X	X			X		X		
1978	McLean, P	X	X								
1978	Russel, ML	X	X			X					
1981	Botticelli, MG	X	X		X					X	
1981	Segall, A	X	X								
1982	Giovannini, MJ	X	X				X		X		X
1983	Smith, DM	X	X	X		X	X		X		
1987	Gaskins, SE	X	X			X	X	X			
1989	Fisher, LA	X	X			X					X
1992	Doherty, M	X		X			X	X			
1993	Craton, N	X	X				X	X			
1993	Gonnella, JS	X		X							
1994	Hager, P	X	X			X					
1994a	Lane, DS	X	X		X	X					
1994b	Lane, DS	X	X		X	X	X		X		
1995	Lane, DS	X				X					
1996	Churgay, CA	X				X					
1996	Smith, SR	X	X			X					
1997	Bell, HS	X	X							X	
1997	Greaves, JD	X	X			X					
1998	Inui, TS	X	X	X							X
1998	Martin, M	X	X	X	X	X	X	X			X
1999	Ben-David, M	X	X	X			X		X		
1999	Freeza, EE	X	X		X	X					
1999a	Harden, RM	X	X	X						X	X
1999b	Harden, RM	X	X								
1999	Smith, SR	X	X			X	X		X		
2000	AAMC	X	X								
2000	Ben-David, MF	X	X			X					

Year	Author	Organizing Framework	Defined outcomes & milestones	Curriculum of competencies	Demonstrable abilities	Assessment of competencies	Rationale	Learner-centred	Societal needs	Contrast with time	Implementing CBE
2000	Bienenfeld, D	X	X			X					
2000	Carlisle, C	X	X								
2000	Corbett, EC	X	X				X		X		
2000	Dunkley, MP	X	X		X	X					
2000	Long, DM	X	X				X		X	X	
2000	Maudsley, G	X				X					
2000	Prislin, MD	X	X								
2000	Simon, JL	X	X	X			X	X	X	X	
2000	Wojtczak, A	X	X								
2002	Beresin, E	X	X	X	X	X				X	
2002	Cain, JM										X
2002	Carraccio, C	X	X	X		X	X	X		X	X
2002	Derstine, PL	X	X		X	X					
2002	Folberg, R	X	X								
2002a	Harden, RM	X	X	X		X					
2002b	Harden, RM	X	X								
2002	Leung, WC	X	X		X		X		X	X	X
2002	Lindsay, KW	X	X							X	
2002	Reinhart, MA						X		X		
2002	Simpson, JG	X	X								
2002	Whitcomb, ME	X	X				X		X		
2002	White III, AA	X	X				X		X		
2002	Wojtczak, A										
2003	Brazeau-Lamontagne, LB	X	X	X							
2003	Burrows, S	X	X	X		X					X
2003	Davies, IH	X	X				X	X		X	
2003	Davis, MH	X	X			X	X		X		
2003	Lee, AG	X	X				X		X		X
2003	Satava, RM	X	X	X		X					
2003	Smith, SR	X	X								
2004	Bion, JF	X	X				X	X			X
2004	Brody, DS	X	X	X							
2004	Burr, WA	X	X	X		X				X	
2004	Carraccio, C	X	X		X	X					
2004	Carr, SJ						X		X		
2004	Long, DM	X				X	X	X			
2004	Louie, AK									X	X
2004	Martin, JA	X		X		X				X	

Year	Author	Organizing Framework	Defined outcomes & milestones	Curriculum of competencies	Demonstrable abilities	Assessment of competencies	Rationale	Learner-centred	Societal needs	Contrast with time	Implementing CBE
2004	Minnesota Department of Health	X	X		X	X					
2004	O'Donnell, JF	X	X								
2004	Redman, CWE	X		X							
2004	Rees, C	X	X								
2004	Satava, RM	X	X							X	
2004	Sectish, T	X	X								
2004	Smith, LG	X	X								
2004	Talbot, M	X				X					X
2004	Tufts Health Care Institute	X	X								
2004	University of Oklahoma	X	X				X	X			X
2004	Whitcomb, ME	X	X	X							
2005	ACGME	X	X	X		X					X
2005	Bannister, M	X		X			X		X		
2005	Baum, KD	X	X								
2005	Clements, R	X	X								
2005	Crebbin, W	X	X								
2005	Doshi, M	X	X				X	X		X	
2005	Goldstein, EA	X	X	X			X	X			
2005	Hance, J	X		X		X					
2005	Korndorffer, JR	X	X				X	X		X	
2005	Newble, D	X	X	X							
2005	Perkins, GD	X	X				X				
2005	Reich, LM	X								X	
2005	Sanson-Fisher, R	X	X								
2006	ACGME	X	X	X						X	
2006	AITEC	X	X		X	X					
2006	Binenbaum, G	X				X	X		X		
2006	Brown, AK	X				X					
2006	CoBatRICE	X	X	X						X	
2006	Edgren, G	X	X								
2006	Glasgow, N	X	X			X	X	X		X	
2006	Harden, RM	X	X	X							
2006	Harrison, R	X	X	X		X					
2006	Leong, SCL									X	
2006	McKean, SC	X	X		X						

Year	Author	Organizing Framework	Defined outcomes & milestones	Curriculum of competencies	Demonstrable abilities	Assessment of competencies	Rationale	Learner-centred	Societal needs	Contrast with time	Implementing CBE
2006	Rose, N	X	X	X		X					
2006	Verma, S	X	X	X		X	X	X	X		
2007	Aggarwal, R	X	X		X	X				X	
2007	American College of Osteopathic Surgeons	X	X		X		X	X		X	
2007	Bennett, C	X	X								
2007	Bhatti, NI	X	X			X	X		X		
2007	Christensen, L	X	X		X	X					
2007	Collins, JP	X	X							X	
2007	Davis, MH	X	X	X		X					
2007	Dingle, AD	X	X			X				X	
2007	Edwards, FD	X	X			X					X
2007	Gallagher, F	X	X								
2007a	Harden, RM	X	X	X		X	X	X			
2007b	Harden, RM	X	X	X							
2007	Heffron, M	X				X					
2007	Jackson, MJ	X	X	X							
2007	Litzelman, DK	X	X	X							
2007	Meyers, FJ	X	X			X					
2007	Whitcomb, ME	X	X				X		X		
2008a	Albanese, MA	X	X			X					
2008b	Albanese, MA	X	X				X		X	X	
2008	Bahnson, GN		X	X							
2008	Bancroft, GN	X	X			X					
2008	Bandiera, G	X	X								
2008	Blake, G	X			X	X				X	
2008	Boucher, A						X	X			
2008	Brydges, R	X	X	X		X					
2008	Collins, JP	X	X				X	X		X	X
2008	Duffy, FD									X	
2008	Kuvin, JT	X	X			X					
2008	Lees, V	X	X								
2008	Sherbino, J	X	X								
2008	Shumway, J	X	X			X	X	X	X		
2008	Thomas, WEG	X	X								
2008	van Zuilen, M	X	X				X				
2009	Boateng, B	X	X		X	X					
2009	Bould, MD	X				X					

Year	Author	Organizing Framework	Defined outcomes & milestones	Curriculum of competencies	Demonstrable abilities	Assessment of competencies	Rationale	Learner-centred	Societal needs	Contrast with time	Implementing CBE
2009	Brownson, RC	X	X	X		X					
2009	Cain, R	X	X			X					
2009	Curran, V	X	X								
2009	Demczuk, L	X	X				X	X			
2009	Eardley, I						X	X			
2009	Gould, DA	X	X			X					
2009	Government of Victoria	X	X								
2009	Henson, LC	X		X		X					
2009	Kilroy, DA	X	X								
2009	Leipzig, RM	X	X	X							
2009	Levinson, W	X	X			X	X	X			
2009	Marshfield Clinic Education Foundation	X	X	X		X					
2009	RACGP	X	X	X			X	X		X	
2009	Smith, AJ	X	X							X	
2009	Talbert, ML	X		X		X					
2009	Talbot, M	X	X								
2009	Tsuda, S	X	X				X	X		X	
2009	Whipple, EC	X	X			X					
Unknown	BMA	X	X			X					
Unknown	Indiana University School of Medicine	X	X								
Unknown	Jensen, B	X				X					
Unknown	Nawotniak, R	X				X					
Unknown	Online Medical Dictionary	X	X								
Unknown	Smith, SR	X	X								
Unknown	Taylor C	X	X	X		X	X	X			
Unknown	University of Minnesota	X	X			X					