

Supplementary Table 5: Distribution of generated themes and sub-themes by included papers

Paper	Contextualising implementation and impact		Factors affecting the implementation process		Positive and negative implications of ePrescribing/CPOE systems				Mixed impacts and change processes	
	<i>Preparing the organisation for change</i>	<i>Preparing stakeholders for change</i>	<i>Factors positively impacting implementation</i>	<i>Factors negatively impacting the implementation process</i>	<i>Positive practice implications</i>	<i>Negative practice implications</i>	<i>Positive organisational implications</i>	<i>Negative organisational implications</i>	<i>Change in practice</i>	<i>Change at the organisational level</i>
Aarts et al. (2004) [55]			●	●		●	●	●		
Abraham et al. (2018) [95]									●	●
Abramson et al. (2012) [18]			●		●	●			●	
Abramson et al. (2016) [81]					●	●			●	●
Ash et al. (1999) [24]	●	●	●		●	●			●	
Ash et al. (2000) [48]	●	●	●	●	●	●	●		●	●
Ash et al. (2001a) [51]			●		●	●	●	●	●	●
Ash et al. (2001b) [57]			●	●						
Ash et al. (2003a) [43]		●	●	●		●	●	●	●	●
Ash et al. (2003b) [42]			●	●	●	●			●	
Ash et al. (2003c) [58]			●							
Ash et al. (2005) [52]			●		●	●	●	●	●	●
Ash et al. (2012) [53]			●							
Barber et al. (2007) [16]			●	●	●	●			●	
Baysari et al. (2011) [80]					●	●			●	
Baysari et al. (2012) [73]					●	●				

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Baysari et al. (2014) [78]					●	●			●	
Baysari et al. (2017) [92]						●			●	●
Baysari et al. (2018) [61]				●	●	●			●	
Botta & Cutler (2014) [54]			●							
Burgin et al. (2012) [98]									●	
Burgin et al. (2014) [97]									●	
Campbell et al. (2007) [90]						●				
Campbell et al. (2009) [85]						●			●	●
Carpenter & Gorman (2001) [83]						●			●	●
Chow et al. (2015) [106]									●	
Cornford et al. (2010) [46]	●	●	●		●	●				●
Cresswell et al. (2013a) [44]	●	●	●							
Cresswell et al. (2013b) [45]	●				●		●			
Cresswell et al. (2014) [9]					●	●			●	●
Cresswell et al. (2016a) [109]										●
Cresswell et al. (2016b) [62]				●						●
Cresswell et al. (2017a) [23]								●		

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Cresswell et al. (2017b) [22]									●	●
Cresswell et al (2017c) [59]			●							
Davidson & Chismar (2007) [47]	●	●	●		●	●			●	●
Debono et al. (2017) [88]						●			●	
Dixon-Woods et al. (2013) [20]								●		●
Dykstra (2002) [101]									●	
Garfield et al (2016) [100]									●	
Griffon et al. (2017) [60]				●						
Hardie et al. (2017) [56]			●	●						
Hawkins et al. (2017) [71]					●	●		●	●	●
Holden (2010) [82]					●	●				
Holden (2011) [69]					●	●				
Jeon et al. (2014) [49]	●	●	●		●	●		●	●	
Johnson et al. (2006) [96]									●	
Jung et al. (2013) [79]					●	●			●	
Malato & Kim (2004) [41]				●						
McMullen et al. (2015) [70]					●	●			●	

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Mills et al. (2017) [65]					•	•			•	
Mozaffar et al. (2016a) [21]				•						
Mozaffar et al. (2016b) [64]				•						•
Mozaffar et al. (2017) [14]						•				
Niazkhani et al. (2008) [102]									•	
Niazkhani et al. (2010a) [94]									•	•
Niazkhani et al. (2010b) [103]									•	
Niazkhani et al. (2011) [84]						•			•	
Nies & Pelayo (2010) [87]						•				
O'Grady et al. (2006) [72]					•	•				
Omar et al. (2017) [75]					•	•				
Pelayo et al. (2010) [99]									•	
Pirnejad et al. (2008) [104]									•	
Pirnejad et al. (2009) [74]					•				•	
Pirnejad et al. (2011) [50]		•	•							
Puaar and Franklin (2018) [63]				•		•			•	
Redwood et al. (2013) [77]					•		•	•		

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Riccioli et al. (2011) [68]					•	•				
Santucci et al (2016) [76]					•	•				
Savage et al. (2010) [89]						•				
Shemilt et al. (2017) [93]						•	•		•	•
Simon et al. (2013) [19]			•	•	•	•				
Sittig et al. (2005) [107]									•	
Tschannen et al (2011) [67]					•	•		•	•	
van der Sijs et al. (2008) [91]						•				
Wentzer et al. (2007) [86]						•		•	•	
Wong et al. (2012) [105]									•	
Yang et al. (2012) [66]					•	•		•	•	•
Zhou et al. (2011) [108]									•	