

e-Appendix 1: Best Evidence Medical Education (BEME) Medline search: Key-terms, 1988-2016 (1988-2015 performed February 2016, supplemented in March 2017 with 2016 results), for: “What works best for health professions students using mobile (hand-held) devices for educational support on clinical placements?”

Study population: student-type	Setting of 'intervention': clinical placement/workplace	'Intervention': Mobile/handheld device/media	Learning outcome/activity
1. Education, Medical/ 2. Education, Medical, Undergraduate/ 3. (medical adj3 education).ti,ab. 4. (medical adj3 student*).ti,ab. 5. Students, Medical/ 6. exp Students, Health Occupations/ 7. Education, Dental/ 8. Education, Nursing/ 9. Education, Nursing, Baccalaureate/ 10. (nurs* adj3 student*).ti,ab. 11. (dental adj3 student*).ti,ab. 12. (physiotherapy adj3 student*).ti,ab. 13. (physical therapy adj3 student*).ti,ab. 14. Physical Therapists/ed [Education] 15. Occupational Therapy/ed [Education] 16. (occupational therapy adj3 student*).ti,ab. 17. clinical education.ti,ab. 18. Radiology/ed [Education] 19. Radiography/ed [Education] 20. (radio* adj3 student*).ti,ab. 21. Midwifery/ed [Education] 22. Nurse Midwives/ed [Education] 23. (medical adj3 undergraduate*).ti,ab. 24. primary medical qualification.ti,ab. 25. Students, Pharmacy/ 26. (pharmacy adj3 student*).ti,ab. 27. Education, Pharmacy/ 28. (orthoptics adj3 student*).ti,ab. 29. (midwi* adj3 student*).ti,ab. 30. 1 or 2 or... etc.... or 29 31. limit 30 to yr="1988 - 2015"	32. clinical placement*.ti,ab. 33. Clinical Clerkship/ 34. (clinical adj3 clerkship*).ti,ab. 35. clinical environment*.ti,ab. 36. clinical setting*.ti,ab. 37. hospital*.ti,ab. 38. exp Hospitals/ 39. General Practice/ 40. general practice*.ti,ab. 41. general practitioner*.ti,ab. 42. Family Practice/ 43. family practice*.ti,ab. 44. family practitioner*.ti,ab. 45. Patient Care/ 46. Nursing Care/ 47. (patient adj3 care).ti,ab. 48. (nursing adj3 care).ti,ab. 49. (nursing adj3 environment*).ti,ab. 50. (clinical adj3 area*).ti,ab. 51. "Delivery of Health Care"/ 52. Education, Distance/ 53. distance learning.ti,ab. 54. remote learning.ti,ab. 55. distributed learning.ti,ab. 56. clinical context*.ti,ab. 57. "Delivery of Health Care, Integrated"/ 58. (health care adj3 deliver*).ti,ab. 59. (healthcare adj3 deliver*).ti,ab. 60. 32 or 33 or... etc.... or 59 61. limit 60 to yr="1988 - 2015"	62. Computers, Handheld/ 63. PDA.ti,ab. 64. palm pilot*.ti,ab. 65. palm top computer*.ti,ab. 66. palm top device*.ti,ab. 67. palmtop computer*.ti,ab. 68. palmtop device*.ti,ab. 69. hand held computer*.ti,ab. 70. hand held device*.ti,ab. 71. handheld computer*.ti,ab. 72. handheld device*.ti,ab. 73. personal digital assistant*.ti,ab. 74. pocket pc*.ti,ab. 75. pocket computer*.ti,ab. 76. pocket device*.ti,ab. 77. ipad*.ti,ab. 78. android*.ti,ab. 79. mobile phone*.ti,ab. 80. mobile technolog*.ti,ab. 81. smart phone*.ti,ab. 82. smartphone*.ti,ab. 83. (tablet* adj3 computer*).ti,ab. 84. (tablet* adj3 mobile*).ti,ab. 85. (mobile* adj3 software).ti,ab. 86. cell* phone*.ti,ab. 87. cellphone*.ti,ab. 88. Cell Phones/ 89. iphone*.ti,ab. 90. blackberr*.ti,ab. 91. Mobile Applications/ 92. mobile app*.ti,ab. 93. portable software.ti,ab. 94. e-reader*.ti,ab. 95. ereader*.ti,ab. 96. exp Telemedicine/ 97. telemedicine.ti,ab. 98. ehealth.ti,ab. 99. e-health.ti,ab. 100. emedicine.ti,ab. 101. e-medicine.ti,ab. 102. mhealth.ti,ab. 103. m-health.ti,ab. 104. text messag*.ti,ab. 105. Text Messaging/ 106. MP3-Player/ 107. ipod.ti,ab. 108. (mobile adj3 device*).ti,ab. 109. (mobile adj3 environment*1).ti,ab. 110. ios.ti,ab. 111. (mobile adj3 communication*).ti,ab. 112. telediagnosis.ti,ab. 113. technology enhanced learning.ti,ab. 114. mp3-player.ti,ab. 115. mobile learn*.ti,ab. 116. mlearn*.ti,ab. 117. m-learn*.ti,ab. 118. Smartphone/ 119. (mobile adj3 platform*).ti,ab. 120. mobile health.ti,ab. 121. 62 or 63 or... etc.... or 120 122. limit 121 to yr="1988 - 2015"	123. Attitude/ 124. attitude*.ti,ab. 125. Behavior/ 126. Information Seeking Behavior/ 127. behavior?r*.ti,ab. 128. Perception/ 129. perception*.ti,ab. 130. Knowledge/ 131. knowledge.ti,ab. 132. Health Knowledge, Attitudes, Practice/ 133. skill*.ti,ab. 134. Learning/ 135. learning.ti,ab. 136. outcome*.ti,ab. 137. implication*.ti,ab. 138. Decision Support Systems, Clinical/ 139. (decision* adj3 support*).ti,ab. 140. Decision Making/ 141. Decision Making, Computer-Assisted/ 142. (decision* adj3 mak*).ti,ab. 143. Diagnosis, Computer-Assisted/ 144. Diagnosis/ 145. diagnos*.ti,ab. 146. (education* adj3 benefit*).ti,ab. 147. exp Libraries/ 148. (library or libraries).ti,ab. 149. support*.ti,ab. 150. "before and after test*".ti,ab. 151. pre-test*.ti,ab. 152. pretest*.ti,ab. 153. post-test*.ti,ab. 154. posttest*.ti,ab. 155. Follow-Up Studies/ 156. follow-up stud*.ti,ab. 157. followup stud*.ti,ab. 158. effect*.ti,ab. 159. cost-effect*.ti,ab. 160. costeffect*.ti,ab. 161. Cost-Benefit Analysis/ 162. satisfaction.ti,ab. 163. personal satisfaction/ 164. pretest posttest.mp. 165. 123 or 124 or... etc.... or 164 166. limit 165 to yr="1988 - 2015" 167. 31 and 61 and 122 and 166