Supplemental material
BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance
placed on this supplemental material which has been supplied by the author(s)
BMJ Open

Appendices

Appendix I: Search strategy for MEDLINE

1. exp Virtual Reality/
2. User-computer interface/
3. Computer Simulation/
4. Computer-Assisted Instruction/
5. ((simulat* or virtual realit* or virtual reality simulat* or virtual reality environment* or VRE or three-dimension* or 3D or immersive virtual realit* or immersive VR or HMD* or head-mounted display* or virtual world* or avatar* or virtual patient* or VR room*).mp.
6. 1 or 2 or 3 or 4 or 5
7. exp Education, Medical, Undergraduate/
8. Educational technology/
9. Clinical competence/
10. Educational measurement/
11. Problem-Based Learning/
12. Simulation Training/
13. Education/
14. Teaching/
15. Learning/
16. Curriculum/
17. (educat* or learn* or train* or instruct* or teach*).mp.
18. 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17
19. exp Students, Medical/
20. (medical student* or medical undergraduate* or pre-registrat*).mp.

Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

BMJ Open

21. 19 or 20

22. 6 and 18 and 21

23. limit 22 to yr="2010 -Current"

24. limit 23 to english language

Appendix II: Data extraction form

Category	Type of Data
1. Bibliographic information	a. Author
	b. Year of publication
	c. Country of study
	i) Region
	ii) WHO Income level
	d. Aims of study
2. Information relating to the inclusion criteria	a. Population
	i) Number of students
	ii) Year of study
	b. Setting
3. Information relating to the study	a. Type of VR
	i) 3D VR
	ii) VRE
	iii) VR with head-mounted display
	iv) VR simulators
	b. VR mode
	c. Equipment used
	i) Input device
	ii) Output device

Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance
placed on this supplemental material which has been supplied by the author(s)

BMJ Open

	d. Subject taught
	e. Revised subject
	f. Duration of use of VR
	g. Frequency of use of VR
	h. Individual / group delivery
	i. Extent of Immersion
	j. Extent of Interactivity