Supplemental material

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Supplemental tables

Table S1, basic knowledge for big data platform before and after the workshop.

Items	Before Workshop		After Workshop		
	YES, n	NO, n	YES, n	NO, n	*P*
I know the content of big data platform	74	200	253	21	*<0.0001*
I know the potential applications of big data technology	174	100	253	21	*<0.0001*
Big data technology is practical in medical education	233	41	271	3	*<0.0001*
Big data technology is practical in clinical practice	211	63	238	36	*0.0039*
Big data technology is practical in scientific research	224	50	261	13	*<0.0001*

Table S2, students' attitude towards big data platform before and after the workshop.

Items	Before Workshop						After Workshop						*P*
	Totally disagree, n	Disagree, n	Agree, n	Totally agree, n	Mean	SD	Totally disagree, n	Disagree, n	Agree, n	Totally agree, n	Mean	SD	
Big data platform could assist future medical education	21	16	53	184	3.50	0.910	4	7	10	253	3.87	0.504	*0.0002*
Big data platform could assist future scientific research	11	7	75	181	3.55	0.735	5	3	16	250	3.86	0.499	*0.0705*
Big data platform could assist future clinical practice	13	14	72	175	3.49	0.799	2	6	23	243	3.85	0.464	*0.0017*
I am willing to learn how to use big data platform	13	11	93	157	3.43	0.783	0	0	0	274	4	0	*<0.0001*

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I am willing to use big data platform in the future	23	33	84	134	3.20	0.953	0	0	0	274	4	0	*<0.0001*
I am willing to recommended big data platform to my colleagues	14	58	65	137	3.19	0.941	2	2	18	252	3.90	0.388	*<0.0001*
Big data platform could benefit my career	12	14	142	106	3.25	0.744	7	27	54	186	3.53	0.776	*0.3382*
Big data platform could benefit all medical careers	50	96	74	54	2.48	1.006	12	36	79	147	3.32	0.863	*<0.0001*

SD, Standard Deviation.

Table S3, the professionalism for students before and after the workshop.

	Before workshop				After workshop				
Items	Not at all important, n	Not important, n	Important, n	Very important, n	Not at all important, n	Not important, n	Important, n	Very important, n	*P*
Doctor-patient relationship skills									
Listen actively to patient	19	11	24	220	0	0	1	273	*<0.0001*
Show interest in patient as a person	11	8	37	218	2	2	6	264	*0.0029*
Show respect for patient	3	3	12	256	0	0	1	273	*0.0401*
Recognize and meet patient needs	5	4	11	254	1	0	2	271	*0.0255*
Accepted inconvenience to meet patient need	15	11	35	213	10	12	24	228	*0.6503*
Ensure continuity of patient care	3	4	47	220	1	5	9	259	*1*

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Advocate on behalf of a patient and/or family member	6	7	70	191	0	0	5	269	*0.0008*
Maintained appropriate boundaries with patients/colleagues	10	6	14	244	5	3	16	250	*0.1440*
Reflective skills									
Demonstrating awareness of limitations	11	7	91	165	6	7	44	217	*0.4595*
Admitting errors/omissions	16	18	90	150	8	13	44	209	*0.0880*
Soliciting feedback	6	19	68	181	2	1	4	267	*<0.0001*
Accepting feedback	12	17	52	193	4	2	5	263	*0.0001*
Maintaining composure in a difficult situation	6	8	9	251	1	3	0	270	*0.0310*
Time management									
Was on time	7	9	20	238	5	8	15	246	*0.7027*
Completing tasks in a reliable fashion	5	6	1	262	1	0	0	273	*0.0086*
Being available to patients or colleagues	11	10	14	239	2	1	0	271	*0.0004*
Interprofessional relationship skills									
Maintaining appropriate appearance	27	33	54	160	2	9	17	246	*<0.0001*
Addressing own gaps in knowledge and skills	7	0	9	258	0	0	2	272	*0.0225*
Demonstrating respect for colleagues	13	8	119	134	7	10	85	172	*0.6139*
Avoiding derogatory language	26	19	59	170	10	16	54	194	*0.0220*
Assisting a colleague as needed	7	5	124	138	3	11	61	199	*0.8407*

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Maintaining patient confidentiality	21	45	71	137	3	12	13	246	*<0.0001*
Using health resources appropriately	4	2	99	169	3	8	43	220	*0.3244*
Respecting rules and procedures of the system	37	18	64	155	12	21	72	169	*0.0146*