

PROBLEM

- A new curriculum in health systems science and interprofessional practice was introduced to medical (N=49), nursing and physician assistant students in August 2020
- To assist in curricular program evaluation, we administered the new NBME health systems science subject exam and newly-developed systems citizenship attitudinal scale
- Hypothesis: medical students will achieve higher scores on HSS exam and exhibit more positive attitudes toward health systems citizenship, as they progress through the curriculum

METHODS

- M1 (N=41) and M4 (N=43) medical students who had no exposure to the new curriculum completed the subject exam and the attitudinal survey
- All medical students took the subject exam without preparation, and filled out the attitudinal survey immediately after exam completion

RESULTS

- M4 students had significantly higher scores than M1 students on NBME subject exam (p=0.0002)
- Significant differences were found on two HSS attitudinal survey items when comparing M4 and M1 students
- Scale reliability of attitudinal survey was 0.83

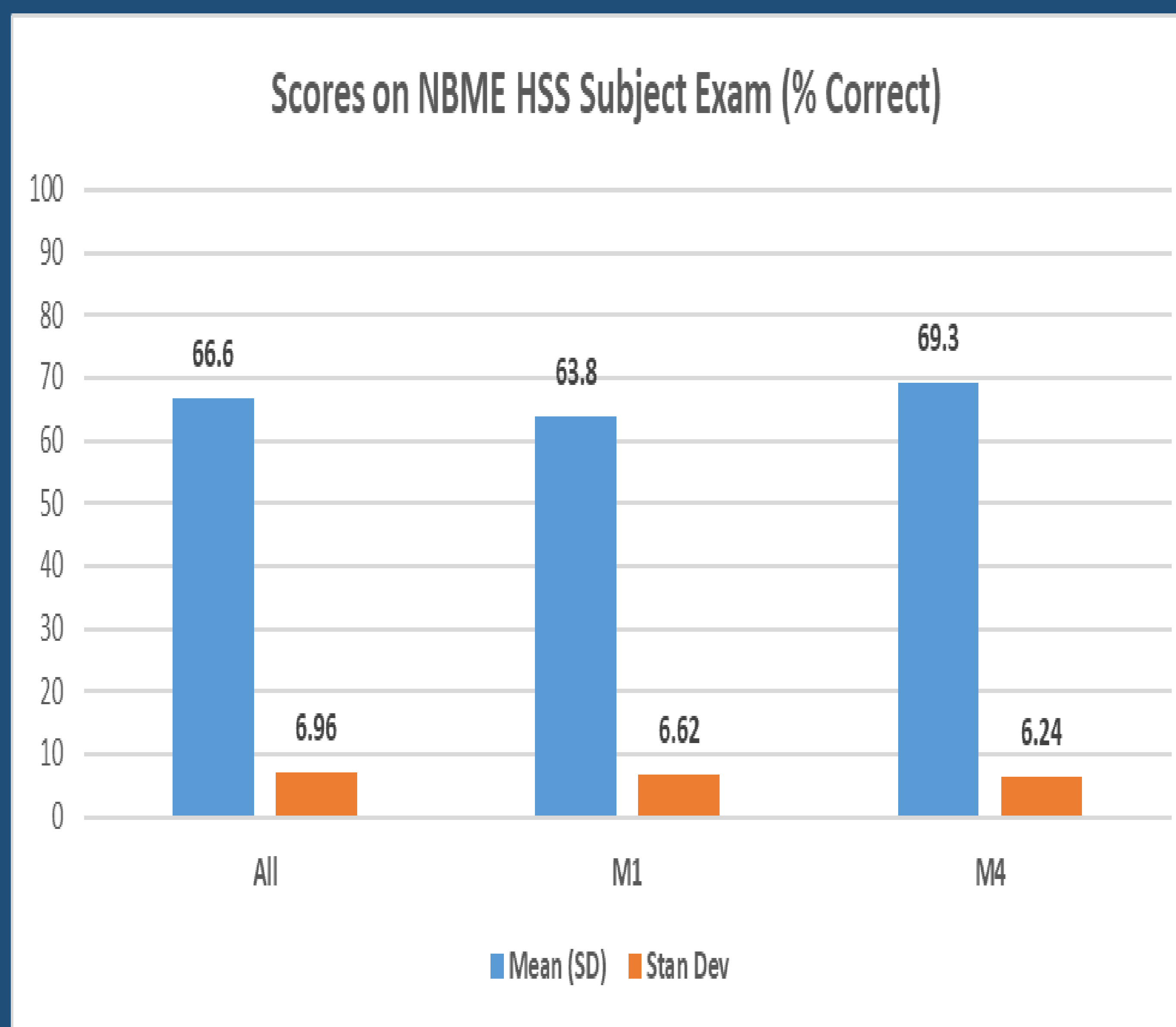
The NBME Health Systems Science (HSS) exam and a new attitudinal survey concerning "systems citizenship" were completed by senior and first year medical students in order to establish a baseline metric for program evaluation of a newly-developed curriculum featuring Health Systems Science and Interprofessional Practice (HSSIP)

Find more information about our HSSIP curriculum here:



DISCUSSION

- Student scores on the HSS subject exam consistent with initial national norms reported by Dekhtyar et al, 2020 (DOI: [10.1177/1062860619853349](https://doi.org/10.1177/1062860619853349))
- Item means on the systems citizen attitudinal survey were very high, perhaps indicating social desirability bias; scale revision is indicated
- Lower mean for M4 students on survey item pertaining to health care team leadership deserves further exploration



HSS Scale Item (12-item Scale; 2 items significantly different)	M1 Mean (St Dev)	M4 Mean (St Dev)	P Value (t-test, 2-tailed)
Health care is more than a function of physician-patient relationship	4.6 (0.54)	4.2 (1.01)	0.01
Physician leadership of teams varies with situation	4.4 (0.89)	3.5 (1.35)	0.0001