



## **Publications from the Medical Student Cognitive Habits and Growth Evaluation Study (CHANGES)**

*Following is a partial list of publications from the Medical Student CHANGES. Mayo Clinic, a national research study conducted by Mayo Clinic, Yale University and the University of Minnesota that examines environment and training in 49 medical schools, and how student attitudes and well-being change over time.*

Przedworski JM, Dovidio JF, Hardeman RR, Phelan SM, Burke SE, Ruben MA, Perry SP, Burgess DJ, Nelson DB, Yeazel MW, Knudsen JM, van Ryn M. A Comparison of the Mental Health and Well-Being of Sexual Minority and Heterosexual First-Year Medical Students: A Report From the Medical Student CHANGE Study. *Acad Med.* 2015 Feb 10. [Epub ahead of print]

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Burke SE, Dovidio JF, Przedworski JM, Hardeman RR, Perry SP, Phelan SM, Nelson DB, Burgess DJ, Yeazel MW, van Ryn M. Do Contact and Empathy Mitigate Bias Against Gay and Lesbian People Among Heterosexual First-Year Medical Students? A Report From the Medical Student CHANGE Study. *Acad Med.* 2015 Feb 10. [Epub ahead of print]

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Hardeman RR, Burgess D, Phelan S, Yeazel M, Nelson D, van Ryn M. Medical student socio-demographic characteristics and attitudes toward patient centered care: do race, socioeconomic status and gender matter? A report from the Medical Student CHANGES study. *Patient Educ Couns.* 2015 Mar; 98(3):350-5. Epub 2014 Nov 18.

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Przedworski JM, Dovidio JF, Hardeman RR, Phelan SM, Burke SE, Ruben MA, Perry SP, Burgess DJ, Nelson DB, Yeazel MW, Knudsen JM, van Ryn M. A Comparison of the Mental Health and Well-Being of Sexual Minority and Heterosexual First-Year Medical Students: A Report From the Medical Student CHANGE Study. *Acad Med.* 2015 Feb 10.

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Burke SE, Dovidio JF, Przedworski JM, Hardeman RR, Perry SP, Phelan SM, Nelson DB, Burgess DJ, Yeazel MW, van Ryn M. Do Contact and Empathy Mitigate Bias Against Gay and Lesbian People Among Heterosexual First-Year Medical Students? A Report From the Medical Student CHANGE Study. *Acad Med.* 2015 Feb 10.

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van Ryn M, Hardeman RR, Phelan SM, Burke SE, Przedworski J, Allen ML, Burgess DJ, Ridgeway J, White RO, Dovidio JF. Psychosocial predictors of attitudes toward physician empathy in clinical encounters among 4732 1st year medical students: a report from the CHANGES study. *Patient Educ Couns*. 2014 Sep; 96(3):367-75. Epub 2014 Jul 10.

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Phelan SM, Dovidio JF, Puhl RM, Burgess DJ, Nelson DB, Yeazel MW, Hardeman R, Perry S, van Ryn M. Implicit and explicit weight bias in a national sample of 4,732 medical students: the medical student CHANGES study. *Obesity (Silver Spring)*. 2014 Apr; 22(4):1201-8. Epub 2014 Jan 09.

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Burke SE, Dovidio JF, Przedworski JM, Hardeman RR, Perry SP, Phelan SM, Nelson DB, Burgess DJ, Yeazel MW, van Ryn M. Contact and Empathy Mitigate Anti-Gay/Lesbian Bias Among Heterosexual Medical Students: A Report from the Medical Student CHANGES Study. *Academic Medicine*. 2014.

Hardeman R, Burgess D, Phelan S, Yeazel M, Nelson D, van Ryn M. Medical student socio-demographic characteristics and attitudes towards patient centered care: Do race, socioeconomic status and gender matter?. A report from the Medical Student CHANGES study. *Patient Education and Counseling*. 2014.

Przedworski JM, Dovidio JF, Hardeman RR, Phelan SM, Burke SE, Ruben MA, Perry SP, Burgess DJ, Nelson DB, Yeazel MW, Knudsen JM, van Ryn M. Mental Health and Wellbeing of Sexual Minority Medical Students: A Report from Medical Student CHANGES. *Academic Medicine*. 2014.