

Jefferson Scales for the Assessments of Educational/Professional Development/Patient Outcomes and Samples of Psychometrics Articles

1. **Jefferson Scale of Empathy (JSE-HP version, for administration to all practicing health professionals, 20 items).**

Hojat, M. Gonnella, J.S., Nasca, T.J., Mangione, S., Vergare, M., & Magee, M. (2002). Physician empathy: Definition, measurement, and relationship to gender and specialty. *American Journal of Psychiatry*, 159, 1563-1569.

2. **Jefferson Scale of Empathy (JSE-S version for administration to medical students, 20 items).**

Hojat, M., & Gonnella, J.S. (2015). Eleven years of data on the Jefferson Scale of Empathy-medical student version (JSE-S): Proxy norm data and tentative cutoff scores. *Medical Principles and Practice*, 24, 344-350.

3. **Jefferson Scale of Empathy (JSE-HPS version for administration to all health profession students other than medical students, 20 items).**

Fields, S.K., Mahan, P. Hojat, M. Tillman, P. Maxwell, K. (2011). Measuring empathy in healthcare profession students using the Jefferson Scale of Physician Empathy: Health Provider-Student Version. *Journal of Interprofessional Care*, 25, 287-293.

4. **Jefferson Scale of Patient Perception of Physician Empathy (JSPPPE, for administration to patients, 5-items).**

Hojat, M., Louis, D.Z., Maxwell, K., Markham, F., Wender, R., & Gonnella, J.S. (2010). Patient perceptions of physician empathy, satisfaction with physician, interpersonal trust, and compliance. *International Journal of Medical Education*, 1, 83-88. DOI:10.5116/ijme.4d00.b701.

5. **Jefferson Scale of Attitudes Toward Physician-Nurse Collaboration (15 items).**

Ward, J., Schaal, M., Sullivan, J., Bowen, M. E., Erdmann, J.B., & Hojat, M. (2008). The Jefferson Scale of Attitudes toward Physician-Nurse Collaboration: A study with undergraduate nursing students. *Journal of Interprofessional Care*, 22, 375-386.

6. **Scale of Attitudes Toward Physician-Pharmacist Collaboration (16 items).**

Hojat, M., Spandorfer J., Isenberg, G., Vergare, M., & Fassihi, R. (2012). Psychometrics of the scale of attitudes toward physician-pharmacist collaboration: A study with medical students. *Medical Teacher*, 34,e833-e837.

7. **Jefferson Scale of Attitudes Toward Interprofessional Collaboration (JeffSATIC, 20 items).**

Hojat, M., Ward, J., Spandorfer J., Arenson, C., Van Winkle, L. J., & Williams, B. (2015). The Jefferson Scale of Attitudes toward Interprofessional Collaboration (Jeff SATIC): Development and multi-institution psychometric data, *Journal of Intereprofessional Care*, 29, 238-244.

8. Jefferson Scale of Physician Lifelong Learning (JeffSPLL, for administration to physicians 14 items).

Hojat, M., Veloski, J. J. & Gonnella, J.S. (2009). Measurement and correlates of physicians' lifelong learning. *Academic Medicine*, 84, 1066-1074.

9. Jefferson Scale of Physician Lifelong Learning (JeffSPLL-MS version for administration to medical students, 14 items).

Wetzel, A.P., Mazmanian, P.E., Hojat, M., Kreutzer, K.O., Carrico, R.J., Carr, C., Veloski, J., & Rafiq, A. (2010). Measuring medical students' orientation toward lifelong learning: A psychometric evaluation. *Academic Medicine* (Suppl), 85, s41-s44.

10. Scale of Overall Satisfaction with Primary Care Physicians (10 items).

Hojat, M., Louis D.Z., Maxwell, K., Markham, F., Wender, R., & Gonnella, J.S. (2011). A brief instrument to measure patient's overall satisfaction with primary care physicians. *Family Medicine*, 43, 412-417.

11. Attitudes Toward Osteopathic Medicine Scale (ATOMS, 13 items).

Hojat, M., DeSantis, J. Cain, R.A., Speicher, M.R., Bragan, L., Calabrese, H.L. (2021). Attitudes toward osteopathic medicine scale: Development and psychometrics. *International Journal of Medical Education*. 12, 222-232. Doi:10.5116/ijme.615c.2cfa.