



Sociability: Is it the most important quality of a physician? A correlation between the Multiple Mini-Interview (MMI) scores of matriculating students and their emotional intelligence as measured by the Emotional Quotient Inventory (EQ-i 2.0®).

Michigan State University College of Human Medicine

Patricia A. Brewer, PhD, Renoulte Allen, MEd, Cindy Arvidson, PhD, Judith Brady, PhD, Wrenetta Green, MS SpEd, Paul Kowalski, MD, Wanda Lipscomb, PhD, Brian Mavis, PhD, Joel Maurer, MD, Terry McGovern, PhD Elizabeth Novak, LMSW, Jack O'Donnell, MD, Janet Osuch, MD MS, David Raffo, MD, Helga Toriello, PhD, Brian Ulrich, MA

Introduction

- Emotional Intelligence (EI) is associated with physician success and patient satisfaction^{1, 2}
- EI is defined as the ability to recognize one's own and other's emotions, discriminate and label feelings appropriately, and to use emotional information to guide thinking and behavior
- This study examines how the interviewee characteristic "sociability" compares with a range of self-reported matriculant attributes of EI

Methods

POPULATION

- 2015 matriculating class
- 96 students (51%) voluntarily participated
- Participants were representative of entire class based on
 - Sex
 - Age
 - Underrepresented in Medicine

INSTRUMENTS

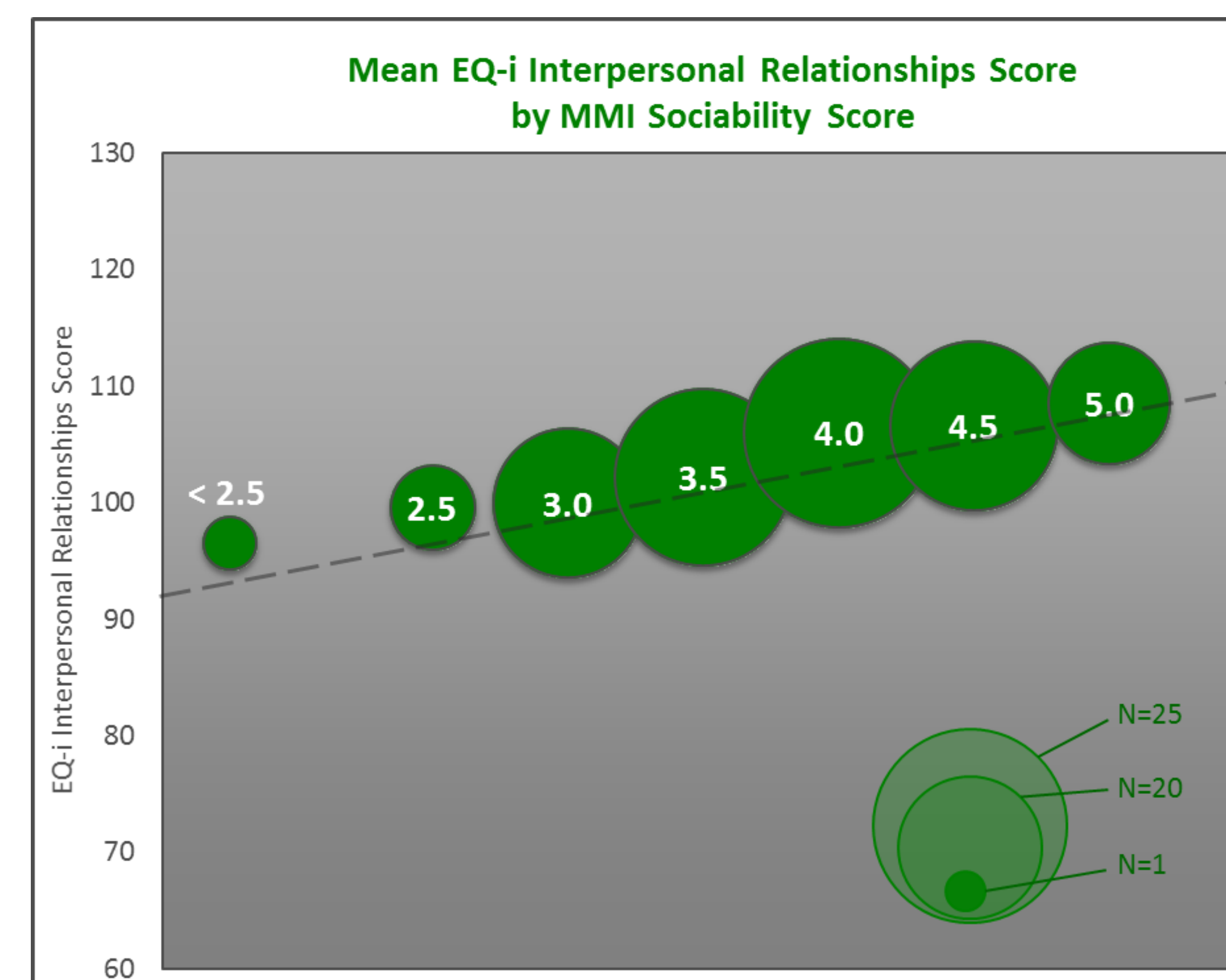
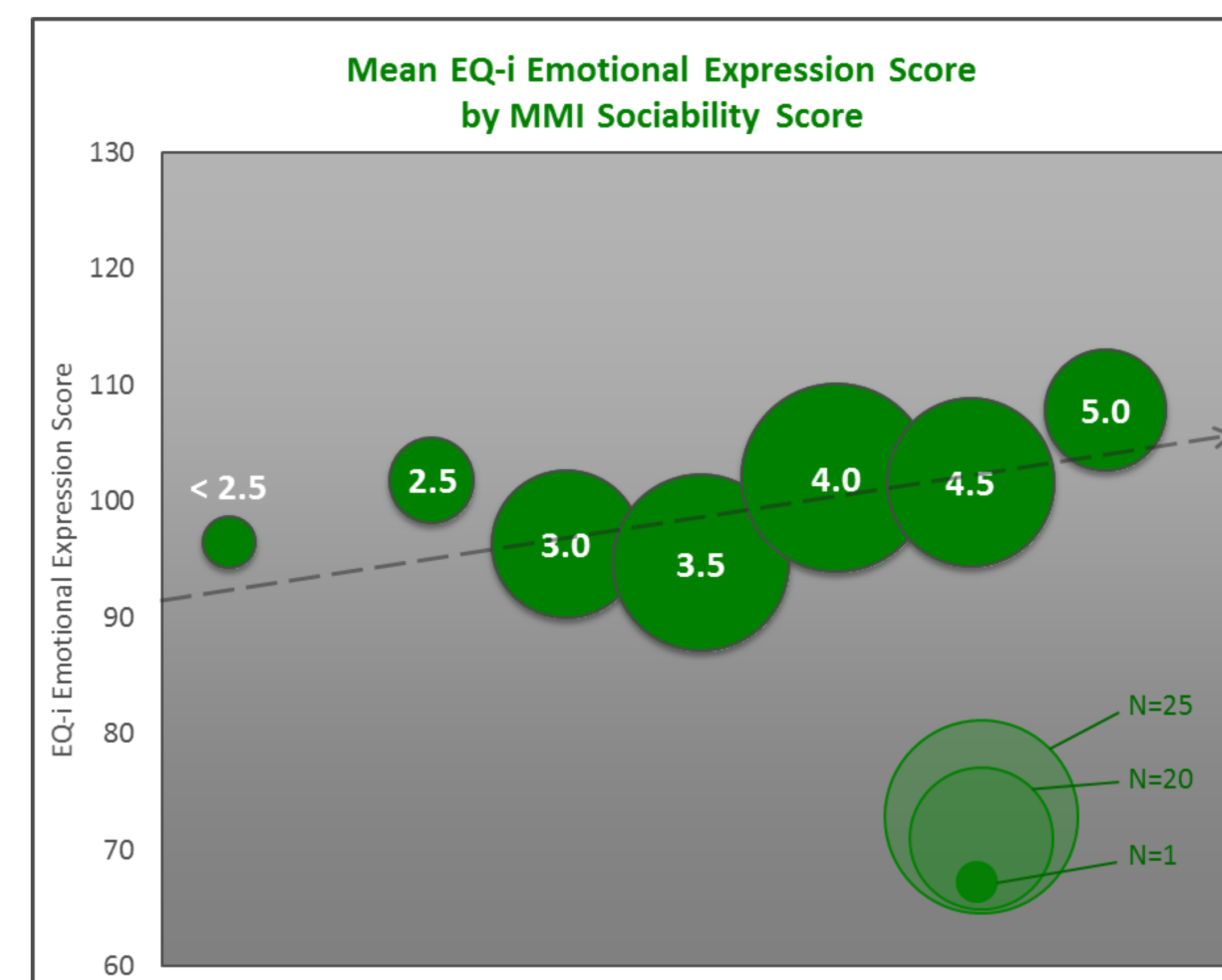
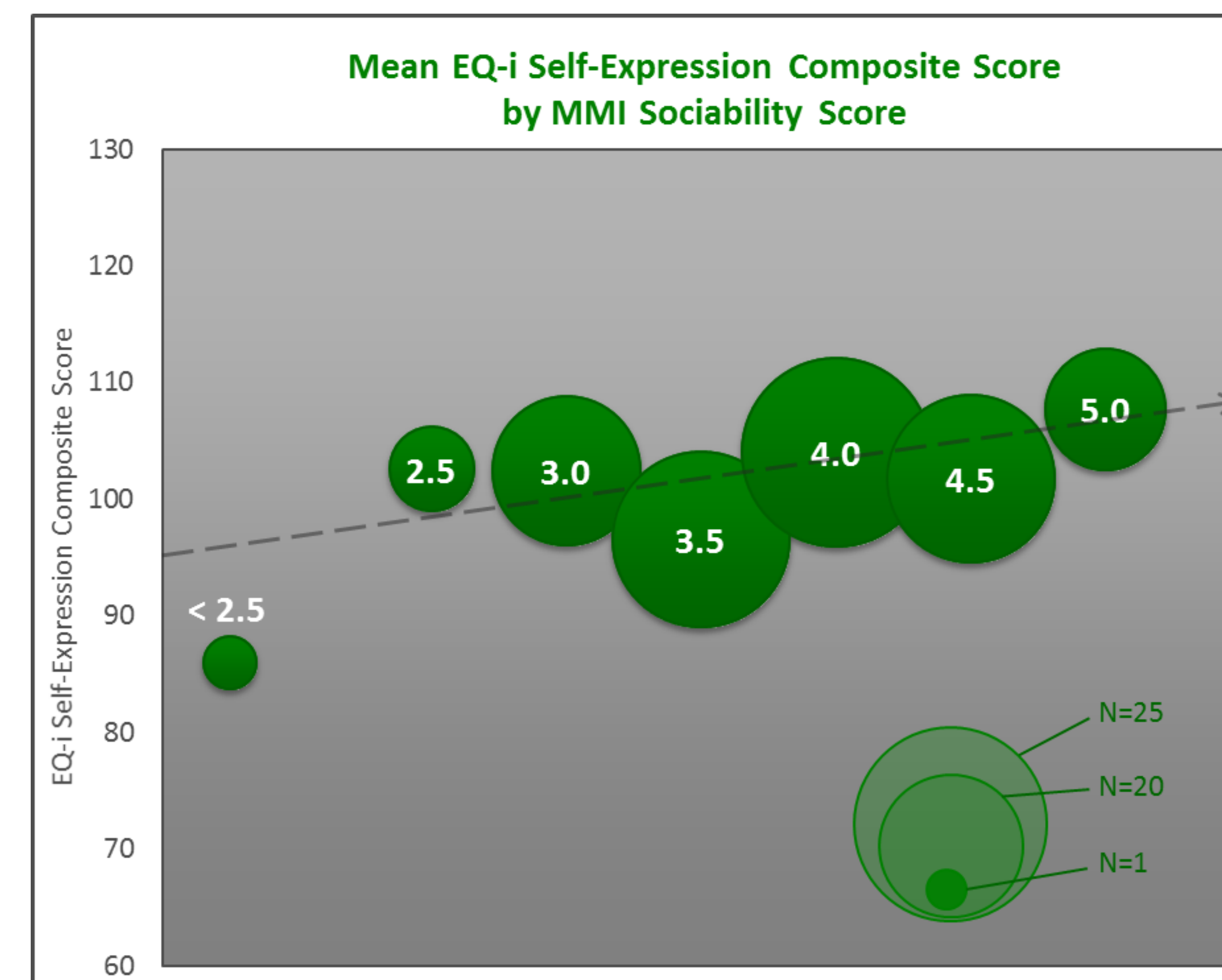
- Multiple Mini-Interview (MMI) - Observer ratings of all interviewees
 - Calm disposition
 - Compassion
 - Cultural competency
 - Maturity
 - Morals and ethics
 - Self-awareness
 - Sociability (one's inclination, by nature, towards companionship, which is marked by or conducive to friendliness or pleasant social relations)
- Emotional Quotient Inventory (EQ-i 2.0®)
 - Validated self-report with five composite scores
 - Self-perception
 - Self-expression
 - Interpersonal
 - Decision making
 - Stress management
 - Each composite has three categorical subscores (see below)



STATISTICS

Pearson Correlation Coefficient was used to test the association between observed MMI characteristics and EQ-i 2.0® data.

Results : MMI Sociability Compared to EQ-i 2.0® Scores



Results

All MMI characteristics were compared to all EQ-i 2.0® characteristics.

Modest positive correlations were found only between MMI-determined sociability and:

- The EQ-i 2.0® Self-expression Composite ($r = .207$; $p = .043$)
- The EQ-i 2.0® Emotional Expression Subscore of the Self-expression Composite ($r = .205$; $p = .045$), and
- The EQ-i 2.0® Interpersonal Relationships Subscore of the Interpersonal Composite ($r = .274$; $p = .007$)

Discussion

- As medical education becomes more collaborative, mirroring the medical team model, we may need to reevaluate which applicant qualities are most desirable
- Measuring the emotional intelligence of interviewees may help in determining desirable characteristics in applicants
- If students who report high EI are desirable matriculants, sociability may be the strongest surrogate in an MMI setting^{3, 4} as emotional expression, communication skills and interpersonal relationships are important in working well with patients as well as in a team dynamic with colleagues

References

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