Supplemental Digital Appendix 1

Survey Instruments, From a Multi-Residency Study of Training Environment and Depression, 2012–2015

Age question (baseline only)
Date of birth (MM/DD/YYYY)

Gender question (baseline only)

Gender

- o Male
- o Female

PHQ-9 (baseline and quarterly surveys)

For each statement, please mark the response which best represents how often you have been bothered by any of the following problems over the PAST 2 WEEKS

	Not at all (0)	Less than half the days (1)	More than half the days (2)	Nearly everyday (3)
Little interest or pleasure in doing things (1)	0	O	0	0
Feeling down, depressed or hopeless (2)	O	O	O	O
Trouble falling asleep, staying asleep or sleeping too much (3)	0	•	•	O
Feeling tired or having little energy (4)	0	0	0	O
Poor appetite or overeating (5)	0	0	0	O
Feeling badly about yourself, or that you are a failure, or that you have let yourself or your family down (6)	0	O	O	O
Trouble concentrating on things such as reading the newspaper or watching TV (7)	O	O	O	O
Moving or speaking so slow that others could have noticed or the opposite, being so fidgety or restless that you have been moving around a lot more than usual (8)	O	O	O	O
Thoughts that you would be better off dead or hurting yourself in some way (9)	•	0	0	•

Self-reported history of depression (baseline only)

To the best of your recollection, have you EVER experienced an episode of depression (a two-week period of your life when you felt down or lost interest or pleasure in your usual activities and also had difficulty concentrating or noticed changes in sleep, appetite, energy or experienced thoughts of death or feelings of guilt)?

- o Yes
- o No

Neuroticism (baseline only)

For each statement, please mark the response which best represents your level of agreement with the statement. Please choose the response that CURRENTLY best describes you.

	Strongly agree (4)	Agree (3)	Neutral (2)	Disagree (1)	Strongly disagree (0)
I rarely feel anxious or nervous (1)	0	0	0	0	O
I rarely experience strong emotions (2)	O	0	O	0	0
I am not a worrier (3)	O	O	O	O	O
I often worry about things that might go wrong (4)	O	O	O	0	O
Frightening thoughts sometimes come into my head (5)	0	0	0	0	O
I rarely feel lonely or blue (6)	0	0	0	0	0
Too often, when things go wrong, I get discouraged and feel like giving up (7)	0	0	0	0	O
I am seldom sad or depressed (8)	0	0	0	0	0
I often feel helpless and want someone else to solve my problems (9)	0	O	O	0	O
When I am having my favorite foods, I tend to eat too much (10)	0	0	0	0	O
At times I have been so ashamed that I just wanted to hide (11)	0	0	0	0	O
When I'm under a great deal of stress, sometimes I feel like I'm going to pieces (12)	0	0	0	0	O
I often feel inferior to others (13)	0	0	0	0	0
I feel comfortable in the presence of my bosses or other authorities (14)	0	O	0	0	O

Early life stress (baseline only)

These are questions about your childhood and early adolescence (age 5 - 15). Please think about your family life while answering the questions in this section.

	1 Not at all (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 Very often (6)
How often did a parent or other adult in the household make you feel that you were loved, supported and cared for? (1)	O	O	O	O	0	O
How often did a parent or other adult in the household swear at you, insult you, put you down or act in a way that made you feel threatened? (2)	O	O	O	O	O	O
How often did a parent or other adult in the household express physical affection for you, such as hugging or other physical gestures of warmth and affection? (3)	0	O	O	O	O	0
How often did a parent or other adult in the household push, slap or shove you? (4)	O	O	O	O	0	O
Would you say that the household you grew up in was well-organized and well-managed? (5)	O	O	O	O	O	O
In your childhood, did you live with anyone who was a problem drinker or alcoholic or who used illicit drugs? (6)	O	0	0	0	0	O
How often would you say that a parent or other adult in the household behaved violently toward a family member or visitor in your home? (7)	0	O	O	O	O	O
How often would you say that there was quarreling, arguing or shouting between your parents? (8)	0	0	0	0	0	0
How often would you say there was quarreling, arguing, or shouting between a parent and you? (9)	0	0	0	0	0	0
How often would you say there was quarreling, arguing, or shouting between a parent and one of your siblings? (10)	O	O	O	O	O	O
How often would you say there was quarreling, arguing, or shouting between your sibling(s) and you? (11)	O	0	O	0	O	O
Would you say the household you grew up in was chaotic and disorganized? (12)	O	O	O	O	O	O
How often would you say you were neglected while you were growing up, that is, left on your own to fend for yourself? (13)	O	O	O	O	O	O

Duty hours question (quarterly surveys)

How many hours have you worked in the past week?

Resident Questionnaire (12-month survey)

Please indicate your level of agreement for each of the following statements as to how accurately they describe you and your residency program.

	Strongly disagree (1)	Disagree (2)	Neutral (3)	Agree (4)	Strongly agree (5)
The caseload in this program is about right (1)	0	0	•	O	O
The call schedule is too heavy (2)	0	0	0	0	0
Time demands are reasonable and allow me to get my work done (3)	O	O	O	O	0
Hospital support services are sufficient to help me care for my patients (4)	O	O	•	0	0
The average number of workups on call is reasonable (5)	O	O	O	O	O
There is enough clerical and administrative support provided by the program (6)	0	0	O	O	O
The workload is generally excessive in this program (7)	0	0	0	0	O
I rarely have time to read (8)	0	0	0	0	0
I get timely and appropriate feedback from faculty (9)	0	0	0	0	O
Scheduled conferences are generally a valuable learning experience (10)	O	O	O	O	O
The in-patient ward rotations are generally a good learning experience (11)	0	O	O	O	O
I have received sufficient counseling from faculty to help with career planning (12)	0	O	O	O	O
The degree of responsibility I have for the care of patients is appropriate (13)	0	0	0	0	0
Full time faculty members contribute to a great extent to the teaching I have received (14)	0	0	0	0	0
I generally feel that other residents are helpful and "pull their fair share" (15)	0	0	0	0	O
I have enough personal support from faculty (16)	0	0	0	0	O
I have enough instructions on what is expected of me in each level of my training (17)	0	0	O	0	0