


Supplemental Digital Appendix 1 Copy of the 2012 77-item, 2-page survey on student exposure to and attitudes about drug companies.

 Mark Reflex® EM-289534-13654321 ED99

SURVEY ABOUT MEDICAL STUDENTS AND DRUG COMPANY REPRESENTATIVES

MARKING INSTRUCTIONS • Use number 2 pencil only. • Make dark marks that fill the oval completely.
 • Erase cleanly any mark you wish to change. • Make no stray marks.

1. Your age: ➔

0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
2. Your gender:
 - female
 - male
3. Today's date:

Month	Day	Year
<input type="radio"/> Jan.		
<input type="radio"/> Feb.		
<input type="radio"/> Mar.	0 0	0 0
<input type="radio"/> Apr.	1 1	1 1 1 1
<input type="radio"/> May	2 2	2 2 2 2
<input type="radio"/> Jun.	3 3	3 3 3 3
<input type="radio"/> Jul.	4 4	4 4 4 4
<input type="radio"/> Aug.	5 5	5 5 5 5
<input type="radio"/> Sept.	6 6	6 6 6 6
<input type="radio"/> Oct.	7 7	7 7 7 7
<input type="radio"/> Nov.	8 8	8 8 8 8
<input type="radio"/> Dec.	9 9	9 9 9 9
4. Your year in medical school:
 - 1st 2nd 3rd 4th
5. Your medical school:
 - Case Western Reserve Mayo SUNY Syracuse
 - Rosalind Franklin Nebraska UCSF
 - George Washington Ohio State
6. During medical school, have you received any formal presentations (e.g., classes, seminars) on relationships between drug companies and doctors or between drug companies and medical students?
 - yes no
7. If your answer to question 6 is yes, were the presentations required or elective? (Mark all that apply)
 - required elective
8. Which of the following best describes your medical school's policy or guidelines about interactions between drug company representatives (reps) and medical students?
 - I don't know if my school has a policy.
 - My school has a policy, but I'm not sure what it is.
 - My school does not have a policy.
 - My school has a policy. The policy is that these interactions are unlimited.
 - My school has a policy. The policy is that there are limits or restrictions on these interactions.
9. When did you begin your clerkships? ➔

Month	Year
<input type="radio"/> Jan.	
<input type="radio"/> Feb.	
<input type="radio"/> Mar.	0 0
<input type="radio"/> Apr.	1 1 1 1
<input type="radio"/> May	2 2 2 2
<input type="radio"/> Jun.	3 3 3 3
<input type="radio"/> Jul.	4 4 4 4
<input type="radio"/> Aug.	5 5 5 5
<input type="radio"/> Sept.	6 6 6 6
<input type="radio"/> Oct.	7 7 7 7
<input type="radio"/> Nov.	8 8 8 8
<input type="radio"/> Dec.	9 9 9 9

Since you began your clerkships, approximately how many times (total) have you attended

10. a lunch provided by a drug company:
 - 0 1-4 5-9 10-15 over 15
11. a dinner sponsored by a drug company:
 - 0 1-4 5-9 10-15 over 15
12. another social event (e.g., TGIF party, pizza or billiards party) sponsored by a drug company:
 - 0 1-4 5-9 10-15 over 15
13. a grand rounds sponsored by a drug company:
 - 0 1-4 5-9 10-15 over 15

Since you began your clerkships, approximately how many times (total) have you

14. received a small non-educational gift (e.g., pen, coffee mug) from a drug company rep:
 - 0 1-4 5-9 10-15 over 15
15. eaten a snack (e.g., donut, candy, coffee) provided by a drug company rep:
 - 0 1-4 5-9 10-15 over 15
16. received a journal reprint or glossy brochure from a drug company rep:
 - 0 1-4 5-9 10-15 over 15
17. received a drug sample from a drug company rep:
 - 0 1-4 5-9 10-15 over 15
18. approached a drug rep to obtain information:
 - 0 1-4 5-9 10-15 over 15
19. listened to a drug rep discuss his or her company's drug:
 - 0 1-4 5-9 10-15 over 15
20. observed an attending or resident physician chat with a drug rep:
 - 0 1-4 5-9 10-15 over 15
21. been asked or required, by a resident or attending MD, to attend a lunch or dinner provided by a drug company:
 - 0 1-4 5-9 10-15 over 15
22. heard a lecturer, supervisor or teacher disclose or report a relationship with a drug company:
 - 0 1-4 5-9 10-15 over 15
23. During clerkships at my medical school, the greatest amount of exposure to drug reps is at (choose one):
 - One of our university's main hospitals/medical centers
 - An affiliated community hospital/medical center
 - One of our outpatient private office practices

■ ■ ■

Please mark which of the following APPLY TO YOU, since you began medical school (mark all that apply):

24. I received a book donated by a drug company. 30. I attended a workshop (e.g., a Glaxo Pathway) sponsored by a drug company.

25. I attended a meeting or conference with travel expenses paid by a drug company. 31. I participated in a marketing survey sponsored by a drug company.

26. I attended a meeting or conference with the registration fee paid by a drug company. 32. I obtained a fellowship sponsored by a drug company.

27. I was nominated for an award sponsored by a drug company. 33. Other (specify) _____

28. I approached a drug rep to request funding for an event. 34. None of the above applies to me.

29. I participated in a research project sponsored by a drug company.

Please mark the extent to which you agree or disagree:

	Strongly Agree	Agree	Disagree	Strongly Disagree
35. Most grand rounds sponsored by drug companies are helpful and educational.	SA	A	D	SD
36. Drug company-sponsored grand rounds are often biased in favor of the company's products.	SA	A	D	SD
37. My school should teach me more about drug company-physician relationships.	SA	A	D	SD
38. Drug company materials are a useful way to learn about new drugs.	SA	A	D	SD
39. Receiving gifts or food from drug reps increases the chances that I will eventually prescribe the company's drugs.	SA	A	D	SD
40. Receiving gifts or food from drug reps increases the chances that my fellow medical students will eventually prescribe the company's drugs.	SA	A	D	SD
41. It is sometimes okay for medical students to accept gifts from drug companies because most students have considerable debts and minimal income.	SA	A	D	SD
42. It is sometimes okay for medical students to accept gifts from drug companies because drug companies have minimal influence on students.	SA	A	D	SD
43. My school has taught me well about how to interact with drug reps.	SA	A	D	SD
44. During my residency, I plan to interact with drug reps.	SA	A	D	SD
45. I would prefer a residency that restricts interactions between residents and drug reps.	SA	A	D	SD

The best role models for MY attitudes and choices about whether or not to interact with drug reps include (choose all that apply):

46. A fellow medical student 50. A non-physician friend 54. A dean or department chairperson

47. A physician family member 51. A resident physician 55. Other _____

48. A physician friend 52. An attending physician 56. No role models at all

49. A non-physician family member 53. A non-physician faculty member

Please rate the APPROPRIATENESS of a medical student receiving the following from a drug company representative:

	Very appropriate	Very inappropriate		Very appropriate	Very inappropriate
57. Gift < \$50 in value	(1) (2) (3) (4) (5)		61. Textbook	(1) (2) (3) (4) (5)	
58. Gift > \$50 in value	(1) (2) (3) (4) (5)		62. Social/recreational outing	(1) (2) (3) (4) (5)	
59. Personal drug sample	(1) (2) (3) (4) (5)		63. Travel to conference	(1) (2) (3) (4) (5)	
60. Meal	(1) (2) (3) (4) (5)		64. Vacation	(1) (2) (3) (4) (5)	

Medical students' personal traits can be estimated on a continuum (spectrum). Please estimate—on the continuum from (5) Far above average to (1) Far below average—your personal traits compared to your medical school classmates' traits.

	Far above average	Far below average
65. My ability to work and study hard compared to my medical school classmates	(5) (4) (3) (2) (1)	
66. My ability to get along with others compared to my medical school classmates	(5) (4) (3) (2) (1)	
67. My leadership ability compared to my medical school classmates	(5) (4) (3) (2) (1)	
68. My ability to be objective and unbiased compared to my medical school classmates	(5) (4) (3) (2) (1)	

For each of the following clerkships, please check whether you have already had it (or are in it) and, if so, whether you interacted with a drug rep on that clerkship? I already had it (or are in it). I interacted with a drug rep on it. (N/A) our school doesn't have this

69. Emergency medicine	(1)	(2)	(3)
70. Family medicine	(1)	(2)	(3)
71. Internal medicine	(1)	(2)	(3)
72. Neurology	(1)	(2)	(3)
73. Obstetrics	(1)	(2)	(3)
74. Pediatrics	(1)	(2)	(3)
75. Psychiatry	(1)	(2)	(3)
76. Surgery	(1)	(2)	(3)
77. Longitudinal, multi-specialty clerkship	(1)	(2)	(3)