

## Supplemental Digital Appendix 1

### Participant Characteristics at Baseline, Mentored Training in Dissemination and Implementation Research in Cancer (n = 55)

	2014 Cohort (n = 13) N (%)	2015 Cohort (n = 15) N (%)	2016 Cohort (n = 13) N (%)	2017 Cohort (n = 14) N (%)	Total (n = 55) N (%)	P value <sup>a</sup>
Sex						0.66
Male	2 (15.4)	4 (26.7)	4 (30.8)	2 (14.3)	12 (21.8)	
Female	11 (84.6)	11 (73.3)	9 (69.2)	12 (85.7)	43 (78.2)	
Age (years)						0.49
20-29	1 (7.7)	0 (0.0)	0 (0.0)	1 (7.1)	2 (3.6)	
30-39	7 (53.8)	7 (46.7)	6 (46.2)	9 (64.3)	29 (52.7)	
40-49	2 (15.4)	7 (46.7)	6 (46.2)	4 (28.6)	19 (34.5)	
50-59	2 (15.4)	1 (6.7)	0 (0.0)	0 (0.0)	3 (5.5)	
60 or older	1 (7.7)	0 (0.0)	1 (7.7)	0 (0.0)	2 (3.6)	
Race						0.44
White or Caucasian	9 (75.0)	12 (80.0)	10 (83.3)	10 (76.9)	41 (78.8)	
Black or African American	0 (0.0)	0 (0.0)	1 (8.3)	2 (15.4)	3 (5.8)	
Multiple races or other	2 (16.7)	3 (20.0)	0 (0.0)	1 (7.7)	6 (11.5)	
Prefer not to answer	1 (8.3)	0 (0.0)	1 (8.3)	0 (0.0)	2 (3.8)	
Missing <sup>b</sup>	1	0	1	1	3	
Ethnicity						0.66
Hispanic	1 (7.7)	1 (7.1)	2 (15.4)	1 (7.1)	5 (9.3)	
Non-Hispanic	12 (92.3)	13 (92.9)	10 (76.9)	13 (92.9)	48 (88.9)	
Prefer not to answer	0 (0.0)	0 (0.0)	1 (7.7)	0 (0.0)	1 (1.9)	
Missing	0	1	0	0	1	
Nationality <sup>c</sup>						0.33
USA	0	12 (80.0)	12 (92.3)	11 (78.6)	35 (83.3)	
Canada	0	1 (6.7)	0 (0.0)	1 (7.1)	2 (4.8)	
Australia	0	2 (13.3)	1 (7.7)	0 (0.0)	3 (7.1)	
Other	0	0 (0.0)	0 (0.0)	2 (14.3)	2 (4.8)	
Missing	13	0	0	0	13	
Discipline						0.20
Allied health (e.g., psychology, social work)	10 (76.9)	7 (46.7)	8 (61.5)	8 (57.1)	33 (60.0)	
Clinical (e.g., medicine)	1 (7.7)	8 (53.3)	3 (23.1)	4 (28.6)	16 (29.1)	
Social Science/Stats/Methods	2 (15.4)	0 (0.0)	2 (15.4)	2 (14.3)	6 (10.9)	
Position						0.46
Research Scientist	2 (15.4)	2 (13.3)	0 (0.0)	0 (0.0)	4 (7.3)	
Postdoctoral Researcher	4 (30.8)	1 (6.7)	1 (7.7)	2 (14.3)	8 (14.5)	
Assistant Professor	4 (30.8)	8 (53.3)	10 (76.9)	8 (57.1)	30 (54.5)	
Associate Professor	3 (23.1)	3 (20.0)	1 (7.7)	2 (14.3)	9 (16.4)	
Professor	0 (0.0)	1 (6.7)	1 (7.7)	1 (7.1)	3 (5.5)	
Other	0 (0.0)	0 (0.0)	0 (0.0)	1 (7.1)	1 (1.8)	
Focus of research						0.12
Prevention	9 (69.2)	3 (20.0)	6 (46.2)	9 (64.3)	27 (49.1)	
Detection	0 (0.0)	1 (6.7)	1 (7.7)	1 (7.1)	3 (5.5)	
Diagnosis	0 (0.0)	2 (13.3)	1 (7.7)	0 (0.0)	3 (5.5)	
Treatment	1 (7.7)	3 (20.0)	4 (30.8)	4 (28.6)	12 (21.8)	
Survivorship	3 (23.1)	6 (40.0)	1 (7.7)	0 (0.0)	10 (18.2)	
Local Mentor for D&I research						0.2

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	<b>2014 Cohort</b> <b>(n = 13)</b> <b>N (%)</b>	<b>2015 Cohort</b> <b>(n = 15)</b> <b>N (%)</b>	<b>2016 Cohort</b> <b>(n = 13)</b> <b>N (%)</b>	<b>2017 Cohort</b> <b>(n = 14)</b> <b>N (%)</b>	<b>Total</b> <b>(n = 55)</b> <b>N (%)</b>	<b>P value<sup>a</sup></b>
No	2 (15.4)	3 (23.1)	3 (23.1)	7 (50.0)	15 (28.3)	
Yes	11 (84.6)	10 (76.9)	10 (76.9)	7 (50.0)	38 (71.7)	
Missing	0	2	0	0	2	

<sup>a</sup>P-value from Chi-square tests.

<sup>b</sup>Missing specified only within items which had missing data.

<sup>c</sup>Nationality was not assessed in the first cohort.

## Supplemental Digital Appendix 2

### Network Characteristics of Participants, Mentored Training in Dissemination and Implementation Research in Cancer

	2015	2016	2017	2018	2019
<b>Membership</b>					
<i>Discipline</i>					
Allied Health	22	36	44	46	47
Basic Science	3	1	0	1	2
Clinical	10	14	17	17	17
Social Science/Stats/Methods	3	4	7	4	2
<i>Role</i>					
Faculty	10	12	13	13	13
Fellows	28	43	55	55	55
<i>Total</i>	38	55	68	68	68
<b>Relationships</b>					
<i>Contact</i>					
Average Degree <sup>a</sup>	27.05	30.40	23.79	24.74	20.09
Isolates	0	0	0	0	1
Role Modularity <sup>b</sup>	-0.009	-0.042	-0.008	-0.012	0.039
Discipline Modularity <sup>c</sup>	-0.001	0.010	0.020	0.038	0.056
Degree Centralization <sup>d</sup>	0.284	0.454	0.664	0.635	0.521
Betweenness Centralization <sup>e</sup>	0.012	0.027	0.104	0.101	0.070
<i>Mentoring</i>					
Average Degree	7.95	9.64	8.41	11.32	7.88
Isolates	0	1	0	0	3
Role Modularity	-0.159	-0.135	-0.105	-0.159	-0.099
Discipline Modularity	0.062	0.060	0.030	0.028	0.059
Degree Centralization	0.457	0.388	0.358	0.574	0.431
Betweenness Centralization	0.269	0.280	0.369	0.379	0.245
<i>Collaboration</i>					
Average Degree	6.58	7.38	7.38	9.85	8.09
Isolates	3	3	2	0	3
Role Modularity	0.141	0.152	0.166	0.052	0.081
Discipline Modularity	0.030	0.030	0.051	0.039	0.056
Degree Centralization	0.440	0.454	0.471	0.817	0.614

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	2015	2016	2017	2018	2019
Betweenness Centralization	0.175	0.236	0.295	0.496	0.400

<sup>a</sup>The average number of connections.

<sup>b</sup>The pattern of connections between faculty and fellows; a measurement of whether connections tend to exist within categories (high values) or between them (low values); ranges from -0.5 to +1.

<sup>c</sup>The pattern between people from the allied health, basic science, clinical, and social science/statistics/methods disciplines; a measurement of whether connections tend to exist within categories (high values) or between them (low values); ranges from -0.5 to +1.

<sup>d</sup>The extent to which a network has one or a few individuals with many connections and everyone else has few connections; ranges from 0 to 1.

<sup>e</sup>The extent to which a network is dependent on one or a few individuals to keep everyone connected; ranges from 0 to 1.

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### Supplemental Digital Appendix 3

#### Patterns of Collaboration Over Time Among Participants, Mentored Training in Dissemination and Implementation Research in Cancer (Numbers Are Reported Ties for Each Network)

	2015	2016	2017	2018	2019
Types of collaboration					
Engaged in a joint research project	25	58	80	156	160
Published or wrote a scholarly manuscript	94	131	164	199	140
Engaged in joint grant writing	25	34	58	75	79
Co-taught a course or training	20	37	38	38	29
Presented research	14	33	25	42	41
Number of different types of collaboration					
1 type of collaboration	92	145	179	223	171
2 types of collaboration	21	38	45	75	58
3 types of collaboration	7	10	14	17	29
4 types of collaboration	2	8	11	14	10
5 types of collaboration	3	2	2	6	7