

**NRG Oncology/RTOG-0517 Data Dictionary**  
**NCTN/NCORP Data Archive**  
*(This is a single-observation-per-case dataset)*

**For patients excluded from analysis (analysis\_inclusion=0), there is no data in variables 6-13 and 26-67.**

**Note:**

1. Variables 14-25 Site(s) of bone metastases includes all the randomized cases.
2. There is a typo in published manuscript: Table 3 footnote- “breast cancer patients had 43 deaths out of 86 patients”. The correct statement should be –“breast cancer patients had 54 deaths out of 86 patients”.
3. In the Treatment Results section of the publication text on page 556, the 6 month compliance rate was rounded up to 64% from the 63.4% for the 6 month FACT-G compliance rate provided in the data.
4. Data can be used to approximate published study findings, but exact reproduction of previous manuscripts may not be possible in some cases (e.g., when data must be modified for de-identification purposes or have undergone further data cleaning).

#	Variable	Description	Format/Coding for categorical data
1	study	Study number	Character length 9
2	patid	De-identified patient ID	Character length 11
3	rx	Assigned treatment arm	1= Zoledronic Acid 2= Zoledronic Acid/Radiopharmaceuticals
4	analysis_inclusion	Indicator for inclusion in analysis	0=Excluded 1=Included
5	reason_for_exclusion	Reason excluded from analysis	Character length 1000 <i>Note: Blank for patients not excluded.</i>
6	qol_consent	QOL Consent	1=Yes 2=No
7	age	Age (years)	Continuous Age “ >= 90” are grouped under 999 <i>Note: variable in Table 1</i>
8	gender	Gender	1=Male 2= Female <i>Note: variable in Table 1</i>
9	race	Race	1=American Indian or Alaska Native 3=Black or African American 5=White <i>Note: variable in Table 1</i>
10	ethnicity	Ethnicity	1=Hispanic or Latino 2=Not Hispanic or Latino 9=Unknown <i>Note: variable in Table 1</i>
11	zubrod	Zubrod performance status	0=Fully active, able to carry on all predisease activities without restriction

#	Variable	Description	Format/Coding for categorical data
			1=Restricted in physically strenuous activity but ambulatory and able to carry work of a light or sedentary nature 2= Ambulatory and capable of all self-care but unable to carry out any work activities. Up and about more than 50% of waking hours <i>Note: variable in Table 1</i>
12	site	Primary disease site (stratification factor)	1=Breast 2=Lung 3=Prostate <i>Note: variable in Table 1</i>
13	nmets_bone	Number of bone metastases (stratification factor)	1: <=2 2: >2 <i>Note: variable in Table 1</i>
14	sternum	Site(s) of bone metastases: Sternum	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
15	spine	Site(s) of bone metastases: Spine	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
16	girdle	Site(s) of bone metastases: Girdle	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
17	ribs	Site(s) of bone metastases: Rib	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
18	extremity	Site(s) of bone metastases: Extremity	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
19	pubis	Site(s) of bone metastases: Pubis	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
20	sacrum	Site(s) of bone metastases: Sacrum	1=No

#	Variable	Description	Format/Coding for categorical data
			2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
21	pelvis	Site(s) of bone metastases: Pelvis	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
22	hip	Site(s) of bone metastases: Hip	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
23	femur	Site(s) of bone metastases: Femur	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
24	leg	Site(s) of bone metastases: Leg	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
25	other	Site(s) of bone metastases: Other	1=No 2=Yes “ “=Missing (Not Reported) <i>Note: variable in Table 1</i>
26	prior_therapy	Number of prior therapies	Continuous <i>Note: variable in Table 1</i>
27	sre_status	Patient SRE Status	0=Alive no SRE 1=SRE 2=Dead <i>Note: variable in Table 2</i>
28	type	Type of SRE	1=Pathologic bone fracture 2=Spinal cord compression 3=Surgery to bone 4=RT to bone <i>Note: variable in Table 2</i> <i>Note: Applicable only if sre_status = 1</i>
29	sre_months	Months from randomization to SRE	Continuous
30	survival_status	Survival status	0=Alive 1=Dead
31	survival_months	Months from randomization to death	Continuous

#	Variable	Description	Format/Coding for categorical data
32	fact_1mn_complete	FACT: 1 Month Compliance	1=Not completed 2=Completed <i>Note: Applicable only if qol_consent =1</i> <i>Note: Completed includes completion of at least 1: physical, social, emotional, functional or fact-g total</i>
33	fact_3mn_complete	FACT: 3 Month Compliance	1=Not completed 2=Completed <i>Note: Applicable only if qol_consent =1</i> <i>Note: Completed includes completion of at least 1: physical, social, emotional, functional or fact-g total</i>
34	fact_6mn_complete	FACT: 6 Month Compliance	1=Not completed 2=Completed <i>Note: Applicable only if qol_consent =1</i> <i>Note: Completed includes completion of at least 1: physical, social, emotional, functional or fact-g total</i>
35	fact_12mn_complete	FACT: 12 Month Compliance	1=Not completed 2=Completed <i>Note: Applicable only if qol_consent =1</i> <i>Note: Completed includes completion of at least 1: physical, social, emotional, functional or fact-g total</i>
36	change_PWB_mn1	Change in FACT: Physical Well-Being-1 Month	Continuous <i>Note: Applicable only if fact_1mn_complete =2</i> “ “=Missing (Not Reported)
37	change_SWB_mn1	Change in FACT: Social/Family Well-Being-1 Month	Continuous <i>Note: Applicable only if fact_1mn_complete =2</i> “ “=Missing (Not Reported)
38	change_EWB_mn1	Change in FACT: Emotional Well-Being-1 Month	Continuous <i>Note: Applicable only if fact_1mn_complete =2</i> “ “=Missing (Not Reported)
39	change_FWB_mn1	Change in FACT: Functional Well-Being-1 Month	Continuous <i>Note: Applicable only if fact_1mn_complete =2</i> “ “=Missing (Not Reported)
40	change_FACTG_mn1	Change in FACT-G Total -1 Month	Continuous <i>Note: Applicable only if fact_1mn_complete =2</i> “ “=Missing (Not Reported)
41	change_PWB_mn3	Change in FACT: Physical Well-Being-3 Month	Continuous <i>Note: Applicable only if fact_3mn_complete =2</i> “ “=Missing (Not Reported)
42	change_SWB_mn3	Change in FACT: Social/Family Well-Being-3 Month	Continuous

#	Variable	Description	Format/Coding for categorical data
			<i>Note: Applicable only if fact_3mn_complete =2</i> “=Missing (Not Reported)
43	change_EWB_mn3	Change in FACT: Emotional Well-Being-3 Month	Continuous <i>Note: Applicable only if fact_3mn_complete =2</i> “=Missing (Not Reported)
44	change_FWB_mn3	Change in FACT: Functional Well-Being-3 Month	Continuous <i>Note: Applicable only if fact_3mn_complete =2</i> “=Missing (Not Reported)
45	change_FACTG_mn3	Change in FACT-G Total -3 Month	Continuous <i>Note: Applicable only if fact_3mn_complete =2</i> “=Missing (Not Reported)
46	change_PWB_mn6	Change in FACT: Physical Well-Being-6 Month	Continuous <i>Note: Applicable only if fact_6mn_complete =2</i> “=Missing (Not Reported)
47	change_SWB_mn6	Change in FACT: Social/Family Well-Being-6 Month	Continuous <i>Note: Applicable only if fact_6mn_complete =2</i> “=Missing (Not Reported)
48	change_EWB_mn6	Change in FACT: Emotional Well-Being-6 Month	Continuous <i>Note: Applicable only if fact_6mn_complete =2</i> “=Missing (Not Reported)
49	change_FWB_mn6	Change in FACT: Functional Well-Being-6 Month	Continuous <i>Note: Applicable only if fact_6mn_complete =2</i> “=Missing (Not Reported)
50	change_FACTG_mn6	Change in FACT-G Total -6 Month	Continuous <i>Note: Applicable only if fact_6mn_complete =2</i> “=Missing (Not Reported)
51	change_PWB_mn12	Change in FACT: Physical Well-Being-12 Month	Continuous <i>Note: Applicable only if fact_12mn_complete =2</i> “=Missing (Not Reported)
52	change_SWB_mn12	Change in FACT: Social/Family Well-Being-12 Month	Continuous <i>Note: Applicable only if fact_12mn_complete =2</i> “=Missing (Not Reported)
53	change_EWB_mn12	Change in FACT: Emotional Well-Being-12 Month	Continuous <i>Note: Applicable only if fact_12mn_complete =2</i> “=Missing (Not Reported)
54	change_FWB_mn12	Change in FACT: Functional Well-Being-12 Month	Continuous <i>Note: Applicable only if fact_12mn_complete =2</i> “=Missing (Not Reported)
55	change_FACTG_mn12	Change in FACT-G Total -12 Month	Continuous

#	Variable	Description	Format/Coding for categorical data
			<i>Note: Applicable only if fact_12mn_complete =2</i> “ “=Missing (Not Reported)
56	bpi_1mn_complete	BPI: 1 Month Compliance	1=Not completed 2=Completed <i>Note: Applicable only if qol_consent =1</i> <i>Note: Completed includes completed scores of worst pain and/or interference</i>
57	bpi_3mn_complete	BPI: 3 Month Compliance	1=Not completed 2=Completed <i>Note: Applicable only if qol_consent =1</i> <i>Note: Completed includes completed scores of worst pain and/or interference</i>
58	bpi_6mn_complete	BPI: 6 Month Compliance	1=Not completed 2=Completed <i>Note: Applicable only if qol_consent =1</i> <i>Note: Completed includes completed scores of worst pain and/or interference</i>
59	bpi_12mn_complete	BPI: 12 Month Compliance	1=Not completed 2=Completed <i>Note: Applicable only if qol_consent =1</i> <i>Note: Completed includes completed scores of worst pain and/or interference</i>
60	change_worst_mn1	Change in BPI: Worst Pain -1 Month	Continuous <i>Note: Applicable only if bpi_1mn_complete =2</i> “ “=Missing (Not Reported)
61	change_inter_mn1	Change in BPI: Interference -1 Month	Continuous <i>Note: Applicable only if bpi_1mn_complete =2</i> “ “=Missing (Not Reported)
62	change_worst_mn3	Change in BPI: Worst Pain -3 Month	Continuous <i>Note: Applicable only if bpi_3mn_complete =2</i> “ “=Missing (Not Reported)
63	change_inter_mn3	Change in BPI: Interference -3 Month	Continuous <i>Note: Applicable only if bpi_3mn_complete =2</i> “ “=Missing (Not Reported)
64	change_worst_mn6	Change in BPI: Worst Pain -6 Month	Continuous <i>Note: Applicable only if bpi_6mn_complete =2</i> “ “=Missing (Not Reported)
65	change_inter_mn6	Change in BPI: Interference -6 Month	Continuous <i>Note: Applicable only if bpi_6mn_complete =2</i>

#	Variable	Description	Format/Coding for categorical data
			“ “=Missing (Not Reported)
66	change_worst_mn12	Change in BPI: Worst Pain -12 Month	Continuous <i>Note: Applicable only if bpi_12mn_complete =2</i> “ “=Missing (Not Reported)
67	change_inter_mn12	Change in BPI: Interference -12 Month	Continuous <i>Note: Applicable only if bpi_12mn_complete =2</i> “ “=Missing (Not Reported)