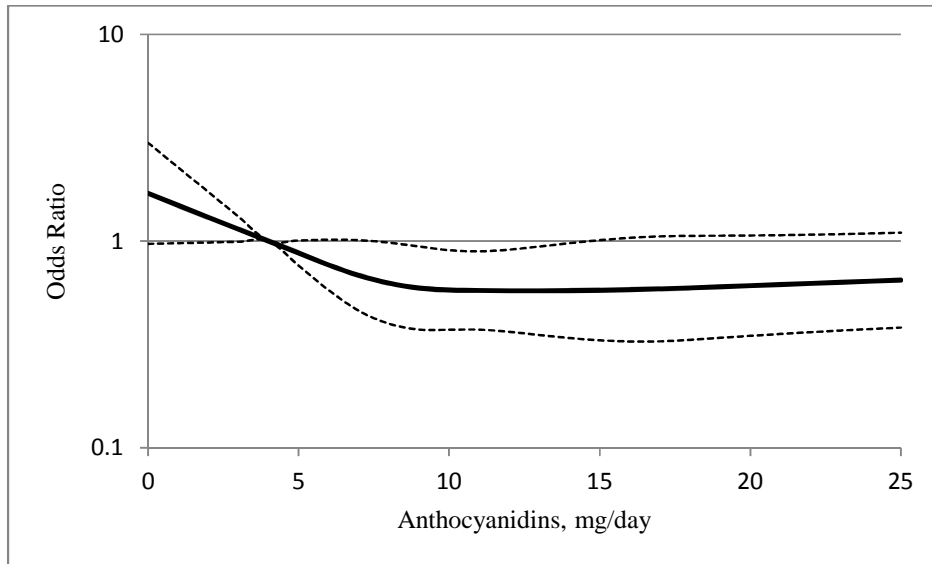


**Supplementary Table 1.** Distribution (n [%]) of Characteristics Among Barrett's Esophagus Cases and Controls with Information on Dietary Intake, Study of Reflux Disease, Western Washington State, 1997-2000.

Characteristic	Control subjects N=183	Barrett's Esophagus subjects N=170
<b>Age</b>		
20-39	25 (13.7)	22 (12.9)
40-49	46 (25.1)	42 (24.7)
50-59	55 (30.1)	53 (31.2)
60-80	57 (31.1)	53 (48.2)
<b>Sex</b>		
Male	113 (61.7)	100 (58.8)
Female	70 (38.3)	70 (41.2)
<b>Race</b>		
White	169 (92.9)	152 (91.6)
Other	13 (7.1)	14 (8.4)
Missing	1	4
<b>Education</b>		
≤ High School	32 (17.5)	43 (25.3)
Technical School	6 (3.3)	9 (5.3)
College or more	145 (79.2)	118 (69.4)
<b>Income level, US \$</b>		
<45,000	55 (31.4)	50 (32.5)
≥45,000-74,999	51 (29.1)	49 (31.8)
≥75,000	69 (39.4)	55 (35.7)
Missing	8	16
<b>Cigarette Use</b>		
Ever	89 (48.6)	109 (64.1)
Never	94 (51.4)	61 (35.9)
<b>Body Mass Index</b>		
<25 kg/m <sup>2</sup>	57 (31.1)	33 (19.4)
≥25 kg/m <sup>2</sup>	126 (68.9)	137 (80.6)
<b>Segment Length*</b>		
SIM		170 (100.0)
VBE		86 (50.6)
LSBE		48 (28.2)

\*Barrett's esophagus segment length categories are non-mutually exclusive groups. SIM: Specialized intestinal metaplasia (i.e., all cases), VBE: visible Barrett's esophagus (i.e., SIM with VBE), LSBE: long-segment Barrett's esophagus (i.e., SIM with VBE greater than two centimeters).

**Supplementary Figure 1.** Restricted quadratic spline graph of the adjusted odds ratios (represented by the solid line) and 95% confidence intervals (represented by the dotted lines) of the association between anthocyanidin intake and Barrett's esophagus, Study of Reflux Disease, Western Washington State, 1997-2000.



**Supplementary Table 2.** Sensitivity Analysis of Mean Intakes (mg/day) of Anthocyanidins (With and Without a Value for Bananas) Among Cases and Controls With Information on Dietary Intake, Study of Reflux Disease, Western Washington State, 1997-2000.

	Controls (N=183)			Cases (N=170)		
	Mean	Standard Deviation	Range	Mean	Standard Deviation	Range
Anthocyanidins	13.84	11.31	0.29-55.42	13.47	14.21	0.36-85.19
Anthocyanidins, Without Value for Bananas	11.80	10.67	0.18-52.97	11.78	13.15	0.36-79.93

**Supplementary Table 3.** Sensitivity Analysis of the Major Sources of Anthocyanidins (With and Without a Value for Bananas) Among a Community-based Sample of Control Participants Without Barrett’s Esophagus With Information on Dietary Intake, Study of Reflux Disease, Western Washington State, 1997-2000.

<b>Flavonoid/Phytoestrogen Class</b>	<b>Main FFQ* Line Item Sources (%)</b>
Anthocyanidins	Wine (31.2), bananas (14.8), fruit juice (11.3), fruit cocktail/applesauce (8.5), strawberries/kiwi (8.0), apples/pears (7.6), bean soups (5.5)
Anthocyanidins, Without Value for Bananas	Wine (36.6), fruit juice (13.3), fruit cocktail/applesauce (10.0), strawberries/kiwi (9.3), apples/pears (9.0), bean soups (6.4)

\*FFQ: Food frequency questionnaire.

**Supplementary 4.** Sensitivity Analysis of Adjusted\* Odds Ratios (OR) and 95% Confidence Intervals (CI) for the Association Between Anthocyanidin Intakes (With and Without a Value for Bananas) and Barrett’s Esophagus, Study of Reflux Disease, Western Washington State, 1997-2000.

Variable and intake (mg/day)	Controls (N=183)	Cases (N=170)	OR	95% CI
<b>Anthocyanidins</b>				
0-6.12	46	64	1.00	
6.13-9.82	45	24	0.33	0.17, 0.63
9.83-18.26	47	46	0.58	0.32, 1.06
≥18.27	45	36	0.59	0.31, 1.12
P for trend†			0.91	
<b>Anthocyanidins, Without Value for Bananas</b>				
0-4.68	45	54	1.00	
4.69-8.29	46	40	0.65	0.35, 1.19
8.30-15.26	47	42	0.62	0.33, 1.16
≥15.27	45	34	0.64	0.33, 1.22
P for trend†			0.90	

\*Adjusted for age (continuous), sex, body mass index (continuous), and kilocalories (continuous). †P-value for trend for continuous variable.

**Supplementary Table 5.** Sensitivity Analysis of Adjusted\* Odds Ratios (OR) and 95% Confidence Intervals (CI) for the Association Between Anthocyanidin Intakes (With and Without a Value for Bananas) and Barrett’s Esophagus Segment Length,<sup>2</sup> Study of Reflux Disease, Western Washington State, 1997-2000.

Variable and intake (mg/day)	Controls (N=183)	Clinical SIM†			Clinical VBE†			Clinical LSBE†					
		Cases (N=170)	OR	95% CI	P for trend‡	Cases (N=86)	OR	95% CI	P for trend‡	Cases (N=48)	OR	95% CI	P for trend‡
<b>Anthocyanidins</b>													
0-6.12	46	64	1.00			31	1.00			20	1.00		
≥6.13	137	106	0.49	0.30, 0.80	0.91	55	0.56	0.31, 1.02	0.45	28	0.44	0.21, 0.92	0.67
<b>Anthocyanidins, Without Value for Bananas</b>													
0-4.68	45	54	1.00			24	1.00			15	1.00		
≥4.69	138	116	0.64	0.39, 1.05	0.90	62	0.81	0.43, 1.52	0.33	33	0.69	0.32, 1.50	0.43

\*Adjusted for age (continuous), sex, body mass index (continuous), and kilocalories (continuous). †Barrett’s esophagus segment length categories are non-mutually exclusive groups. SIM: Specialized intestinal metaplasia (i.e., all cases), VBE: visible Barrett’s esophagus (i.e., SIM with VBE), LSBE: long-segment Barrett’s esophagus (i.e., SIM with VBE greater than two centimeters). ‡P-value for trend for continuous variable.