

Supplemental Tables and Figures

Early Onset Cancer

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Supplemental Table 1. Ten-year average age-adjusted annual incidence rates per 100,000 (95% CI), 2014-2023

Early-onset (<50 years) cancers in the Case CCC catchment area, Ohio, and the United States

Cancer Type	Catchment Area	Ohio	U.S.
Female Breast	47.1 (45.8-48.4)	45.9 (45.2-46.7)	46.0
Prostate	3.9 (3.6-4.3)	3.6 (3.5-3.9)	3.7
Lung & Bronchus	4.1 (3.9-4.4)	4.3 (4.1-4.4)	2.9
Colorectal ¹	8.0 (7.6-8.3)	8.0 (7.8-8.2)	7.6
Obesity-related, excluding CRC	51.8 (50.9-52.7)	50.2 (49.7-50.7)	47.4
Obesity-related, excluding CRC & breast cancer	27.9 (27.2-28.6)	27.1 (26.7-27.5)	25.2
Melanoma	9.5 (9.1-9.9)	9.7 (9.5-10.0)	7.2
Thyroid	12.7 (12.2-13.1)	11.3 (11.0-11.5)	10.3
Stomach	1.0 (0.9-1.1)	1.1 (1.0-1.2)	1.3
Pancreas	1.3 (1.2-1.5)	1.4 (1.3-1.5)	1.3
Kidney & Renal Pelvis	5.0 (4.7-5.3)	5.4 (5.2-5.5)	4.7
Hodgkin & Non-Hodgkin Lymphoma	7.9 (7.5-8.2)	7.4 (7.2-7.6)	7.1

¹ Colorectal incidence excludes appendiceal cancers.

Supplemental Table 2. Ten-year average age-adjusted annual mortality rates per 100,000 (95% CI), 2014-2023

Early-onset (<50 years) cancers in the Case CCC catchment area, Ohio, and the United States

Cancer Type	Catchment Area	Ohio	U.S.
Female Breast	4.5 (4.1-4.9)	4.4 (4.2-4.6)	4.1
Prostate ²	-	0.1 (0.1-0.1)	0.1
Lung & Bronchus	2.0 (1.9-2.2)	2.1 (2.0-2.2)	1.3
Colorectal ¹	1.9 (1.7-2.1)	1.9 (1.8-2.0)	1.8
Obesity-related, excluding CRC	5.4 (5.1-5.7)	5.5 (5.3-5.6)	5.2
Obesity-related, excluding CRC & breast cancer	3.2 (2.9-3.4)	3.2 (3.1-3.4)	3.1
Melanoma	0.4 (0.4-0.5)	0.5 (0.5-0.6)	0.4
Thyroid ²	-	0.0	0.0
Stomach	0.3 (0.3-0.4)	0.3 (0.3-0.4)	0.5
Pancreas	0.8 (0.7-0.9)	0.8 (0.7-0.8)	0.7
Kidney & Renal Pelvis	0.4 (0.3-0.5)	0.4 (0.3-0.4)	0.3
Hodgkin & Non-Hodgkin Lymphoma	0.7 (0.6-0.8)	0.6 (0.5-0.6)	0.5

¹ Colorectal mortality includes appendiceal cancers in the supplied data.

² Catchment-area mortality rate not shown because the total number of deaths was 10 or fewer.

Figure 1. Early Onset Kidney & Renal Pelvis Cancer Incidence Trends

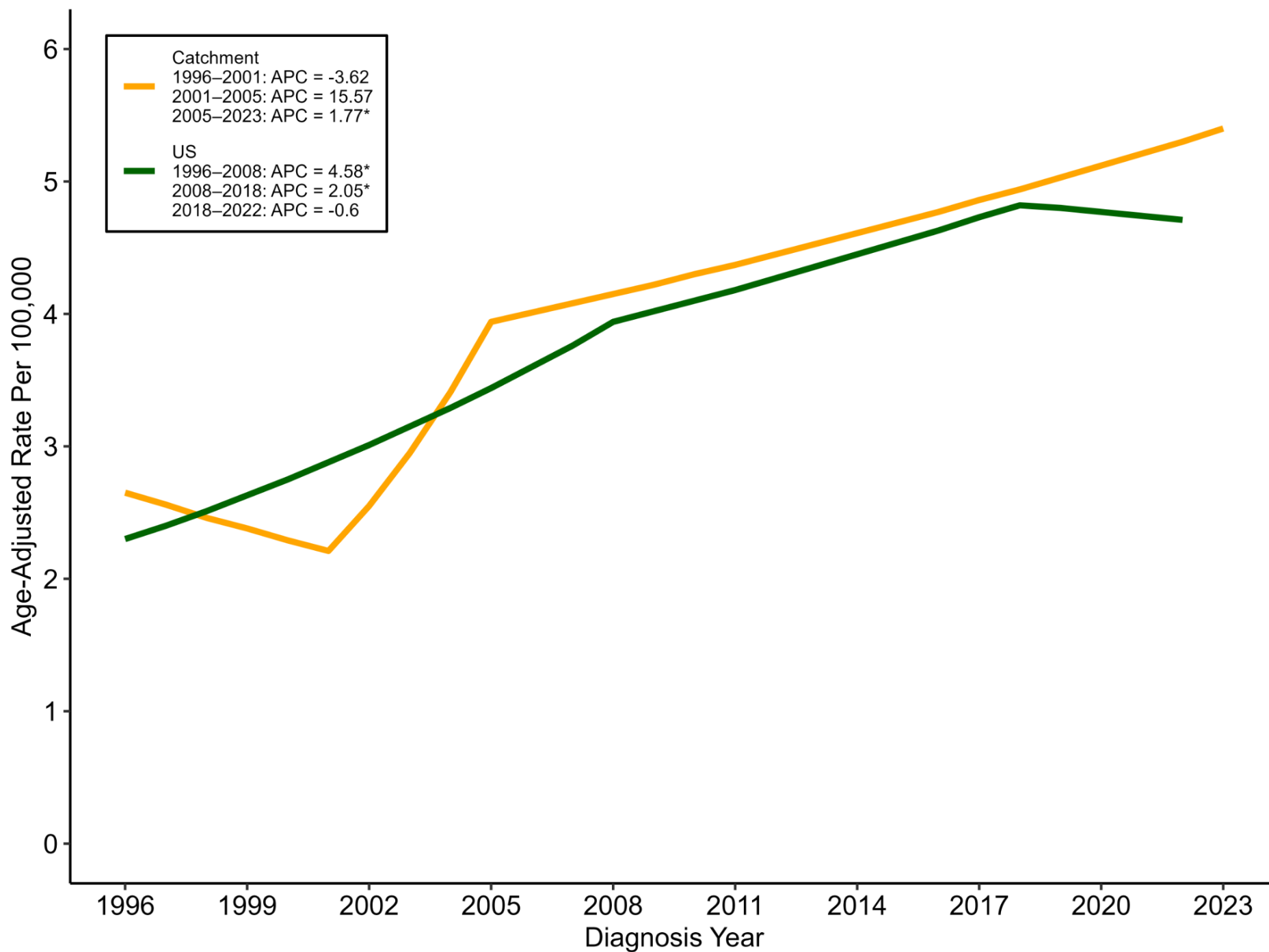


Figure 2. Early Onset Hodgkin & Non-Hodgkin Lymphoma Incidence Trends

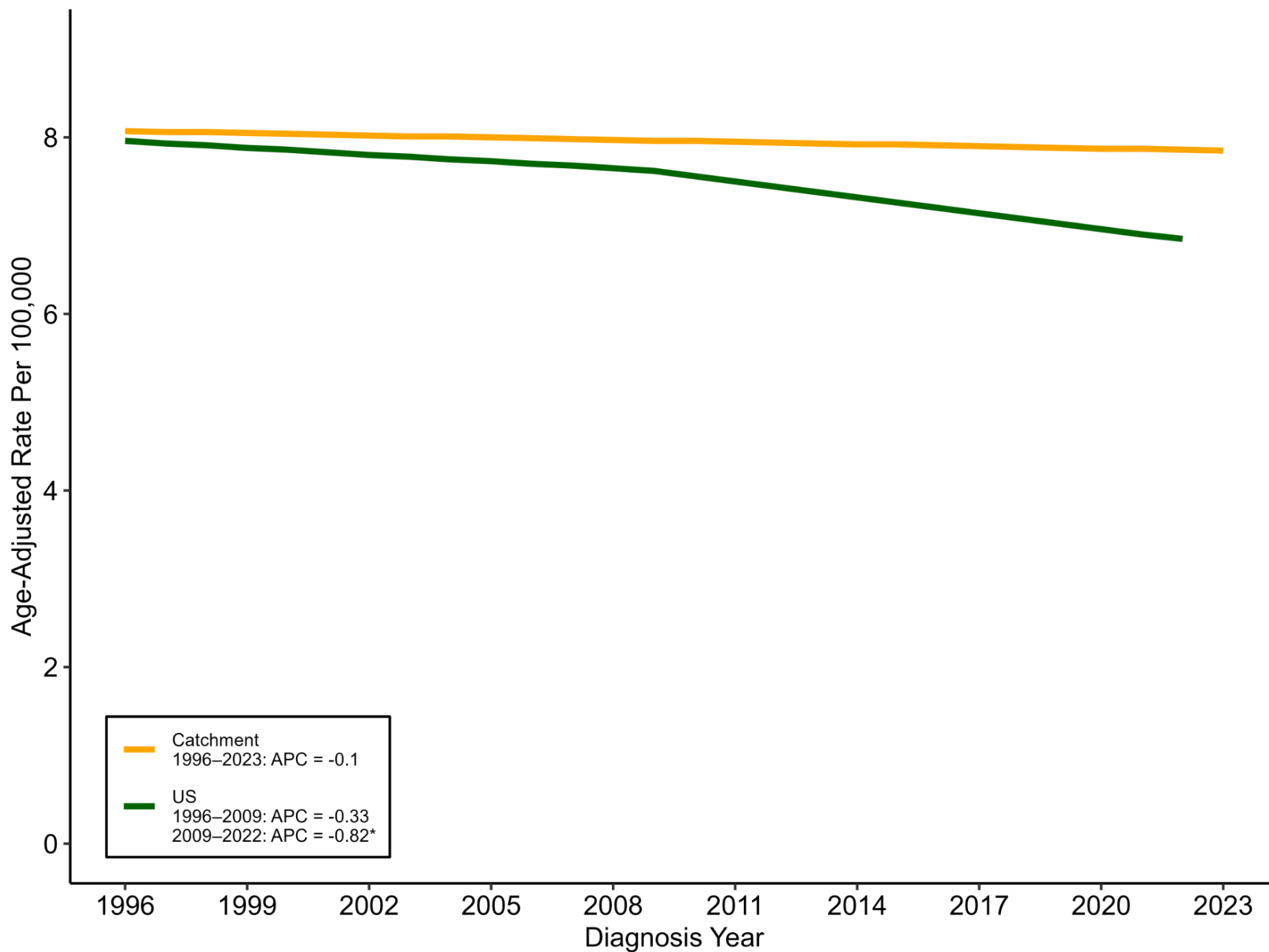


Figure 3. Early Onset Melanoma Incidence Trends

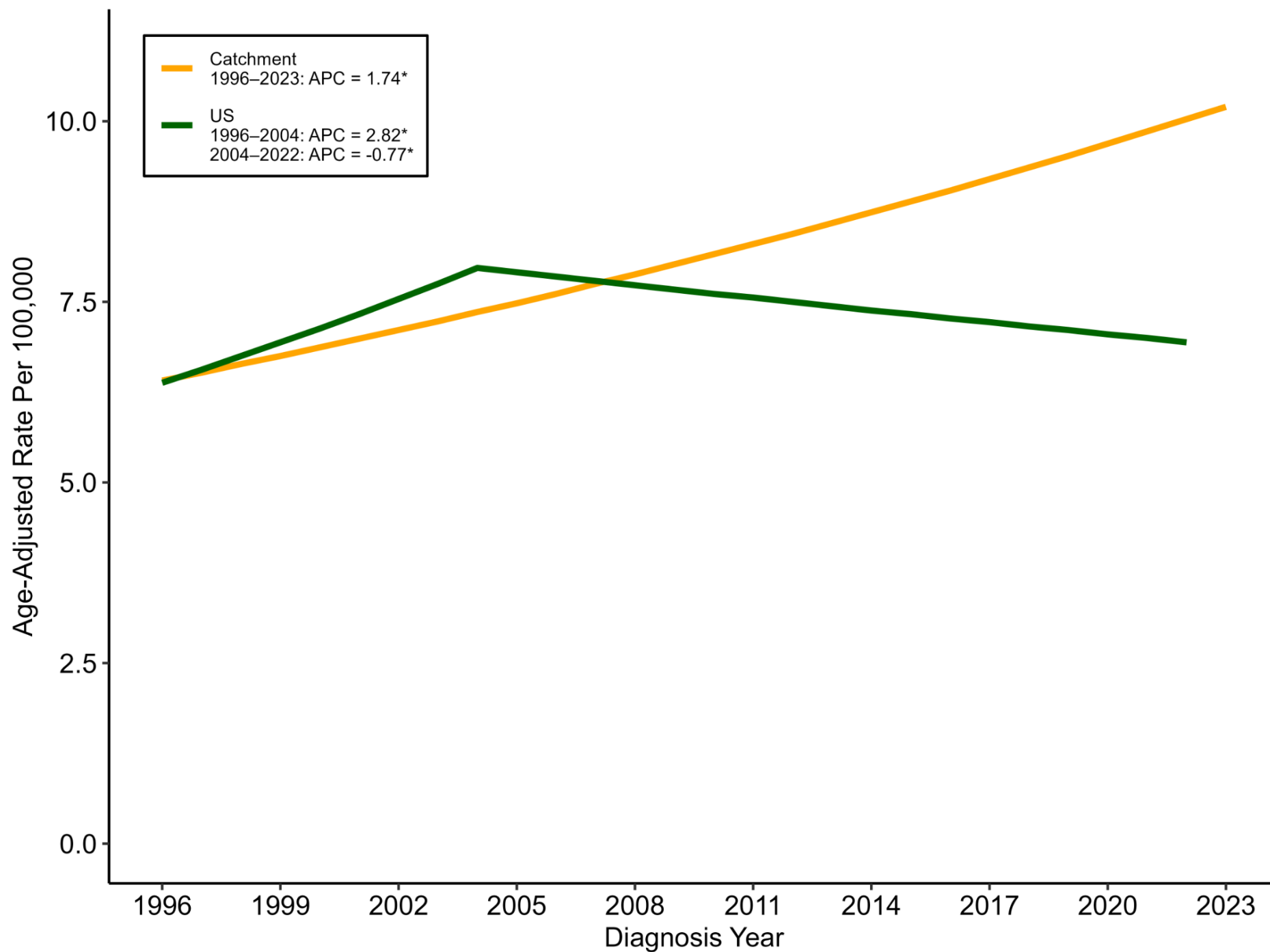


Figure 4. Early Onset Obesity-related Cancer Incidence Trends (excluding colorectal and breast cancer)

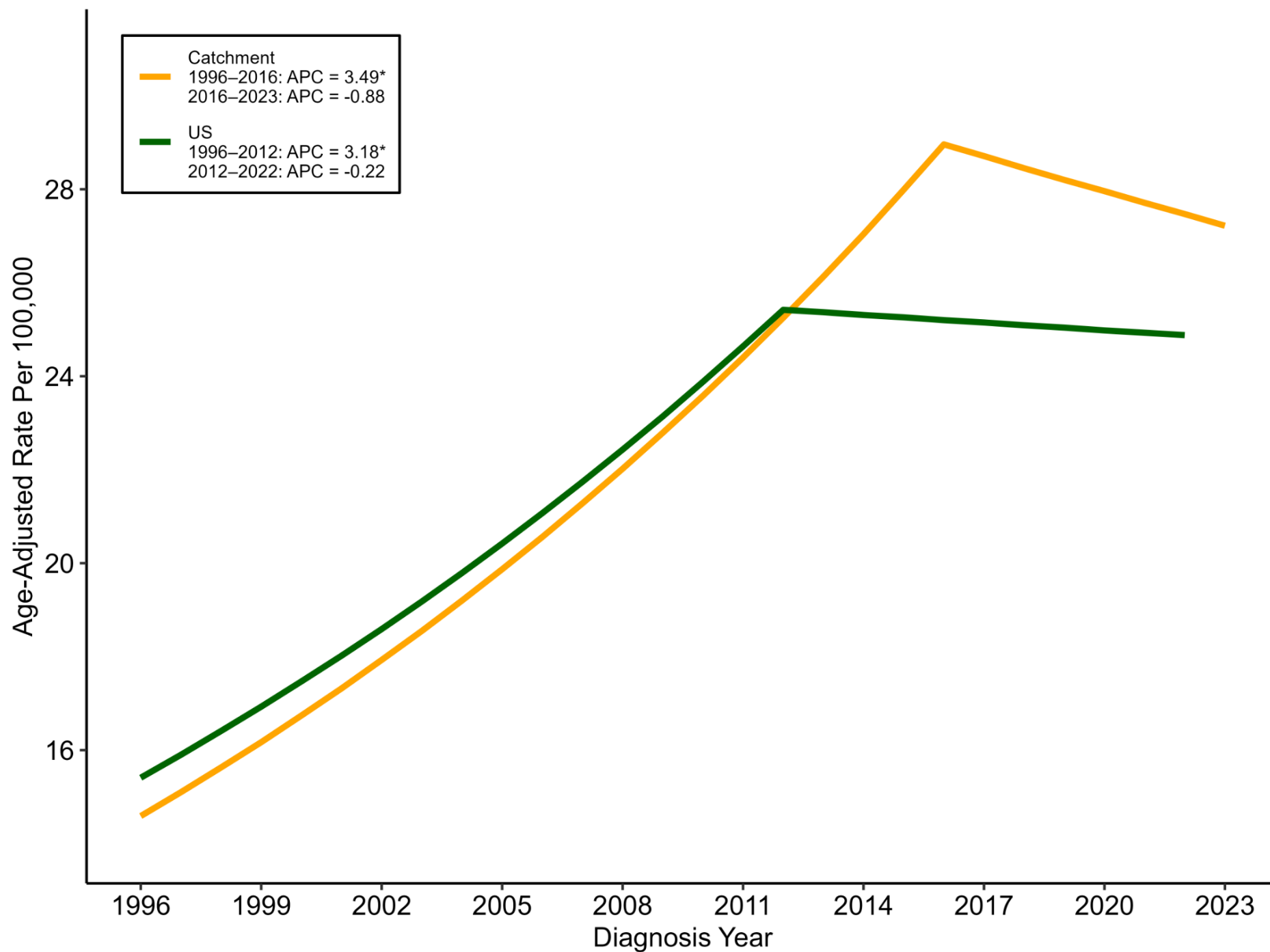


Figure 5. Early Onset Pancreatic Cancer Incidence Trends

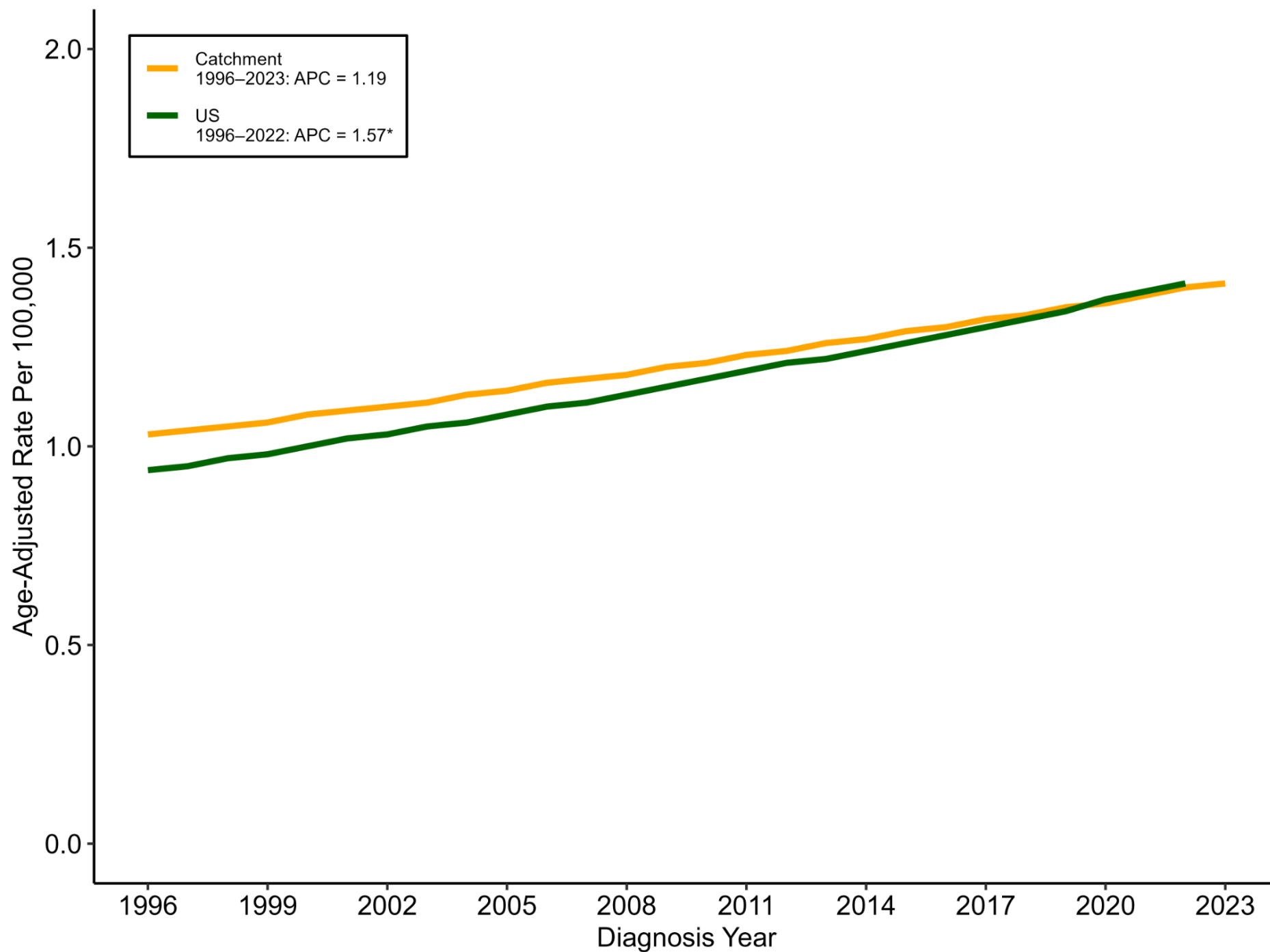


Figure 6. Early Onset Stomach Cancer Incidence Trends

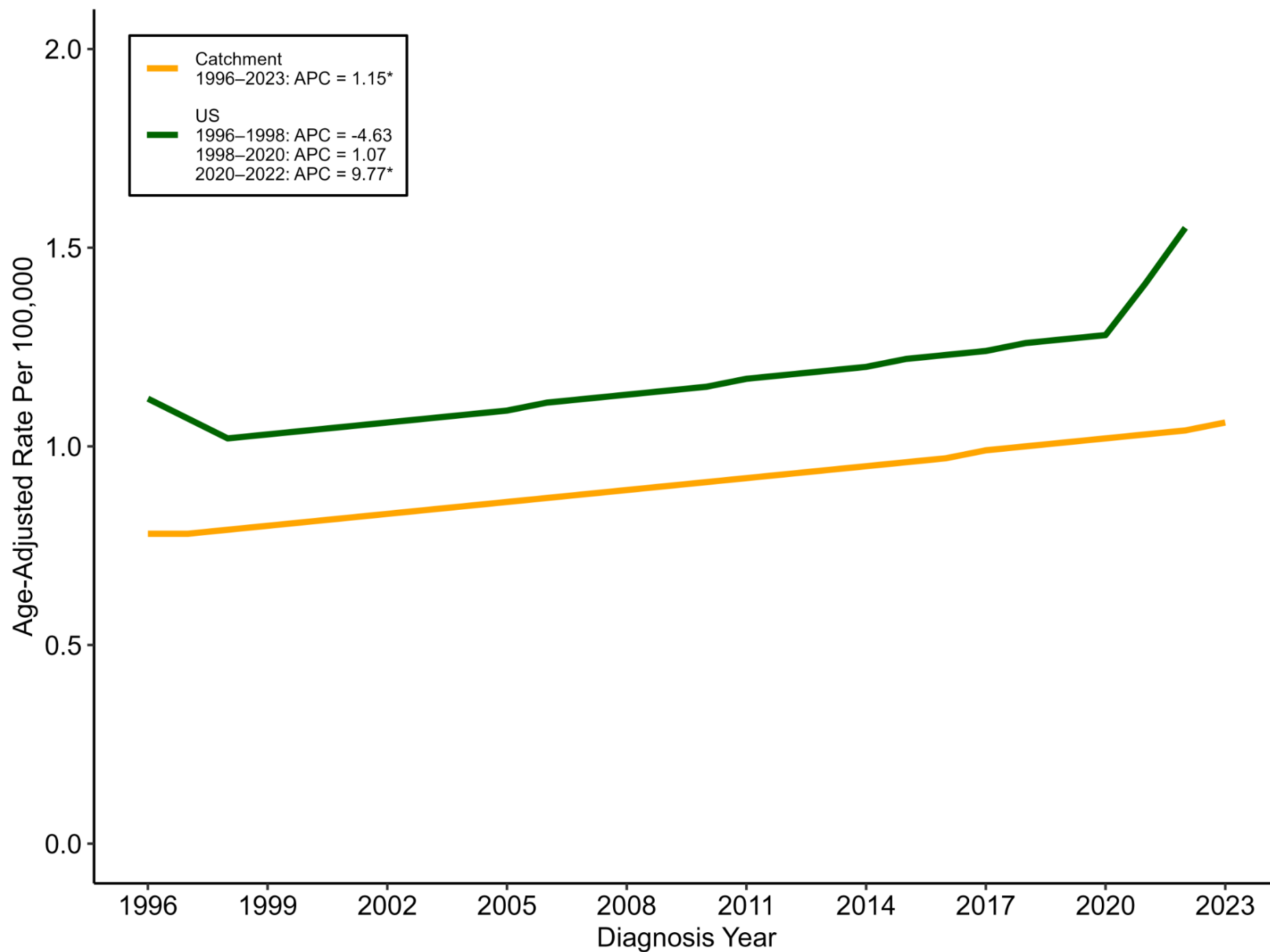


Figure 7. Early Onset Thyroid Cancer Incidence Trends

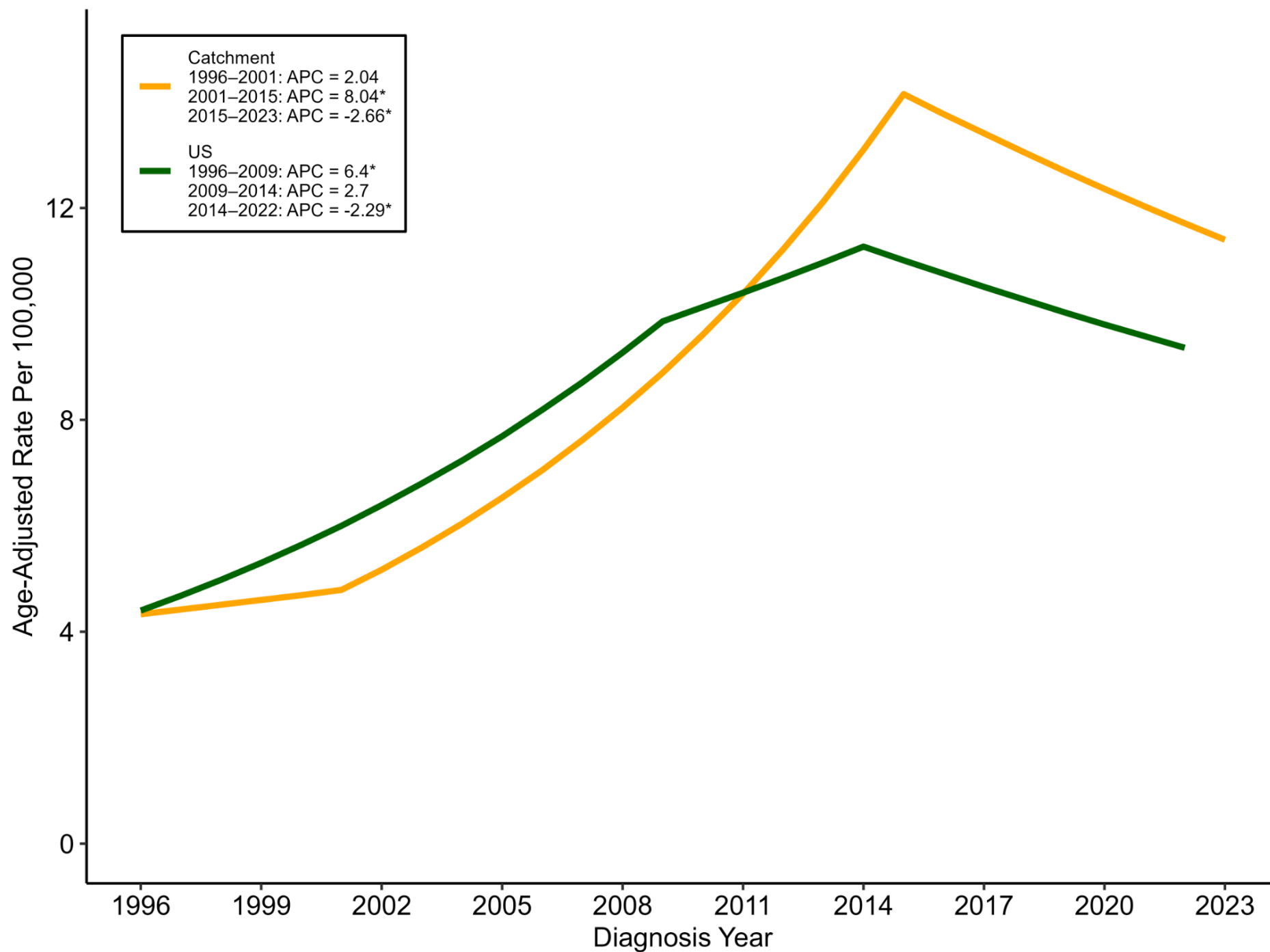


Figure 8. Early Onset Kidney & Renal Pelvis Cancer Mortality Trends

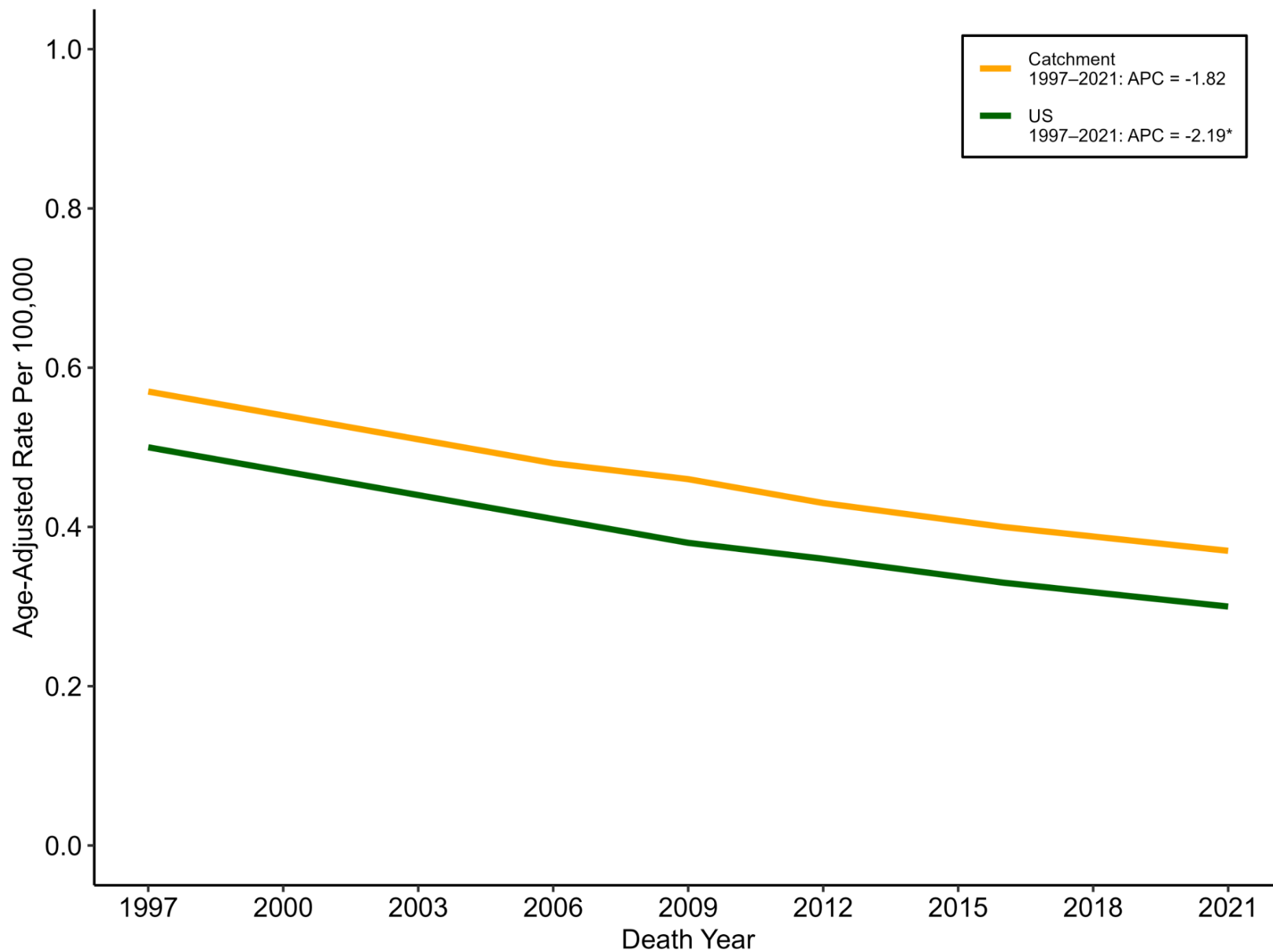


Figure 9. Early Onset Hodgkin & Non-Hodgkin Lymphoma Mortality Trends

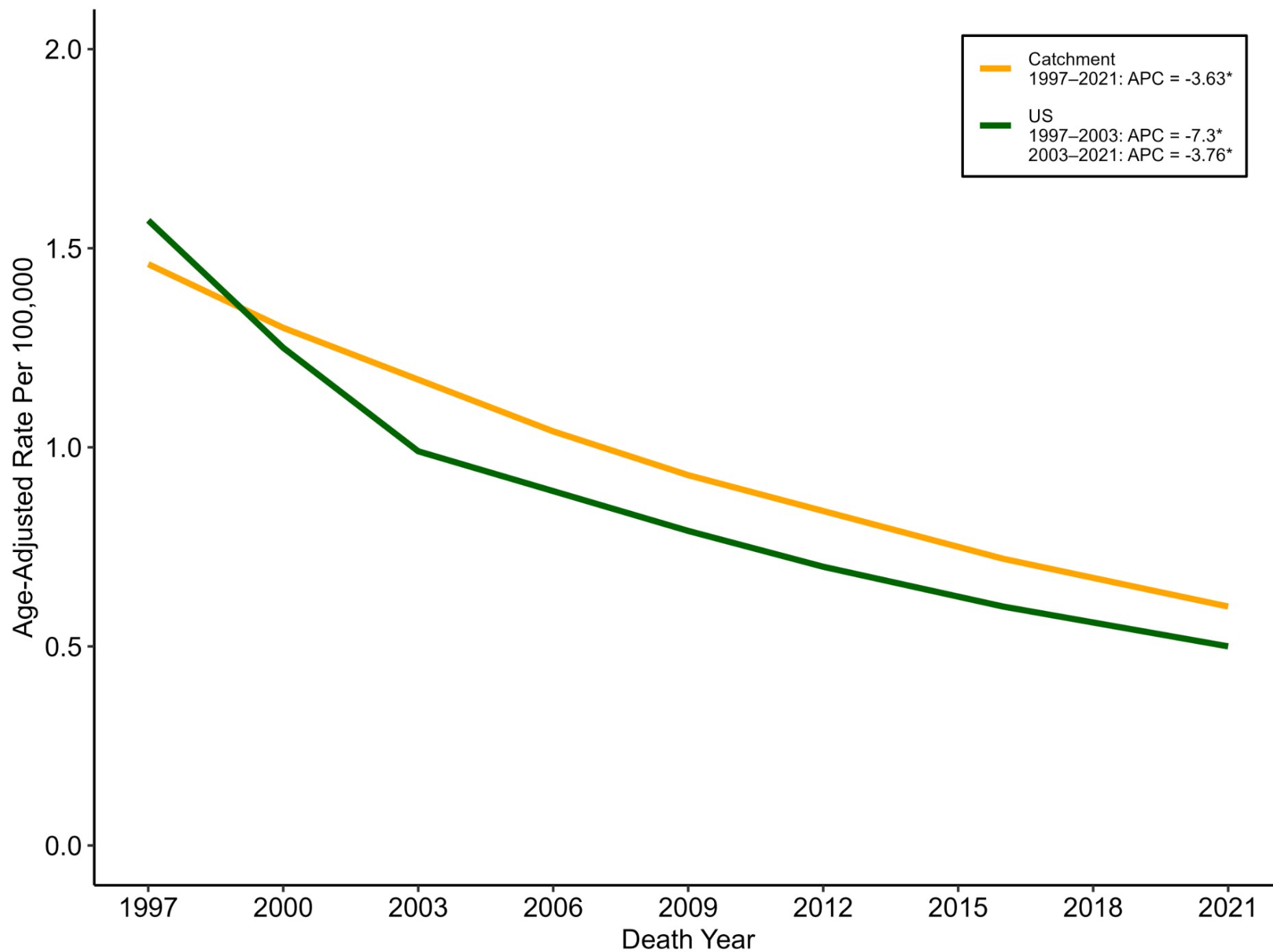


Figure 10. Early Onset Melanoma Mortality Trends

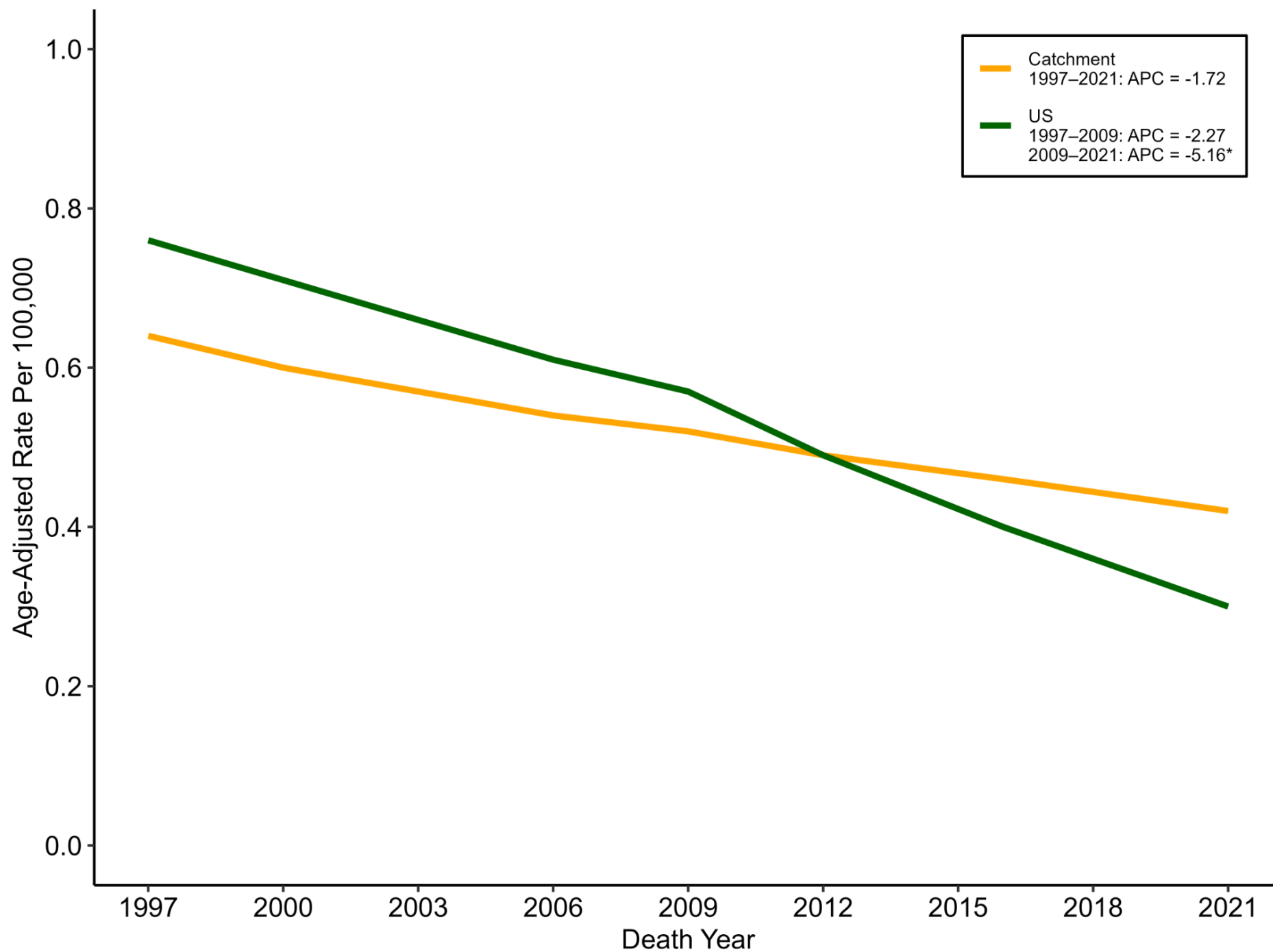


Figure 11. Early Onset Obesity-related Cancer Mortality Trends (excluding colorectal and breast cancer)

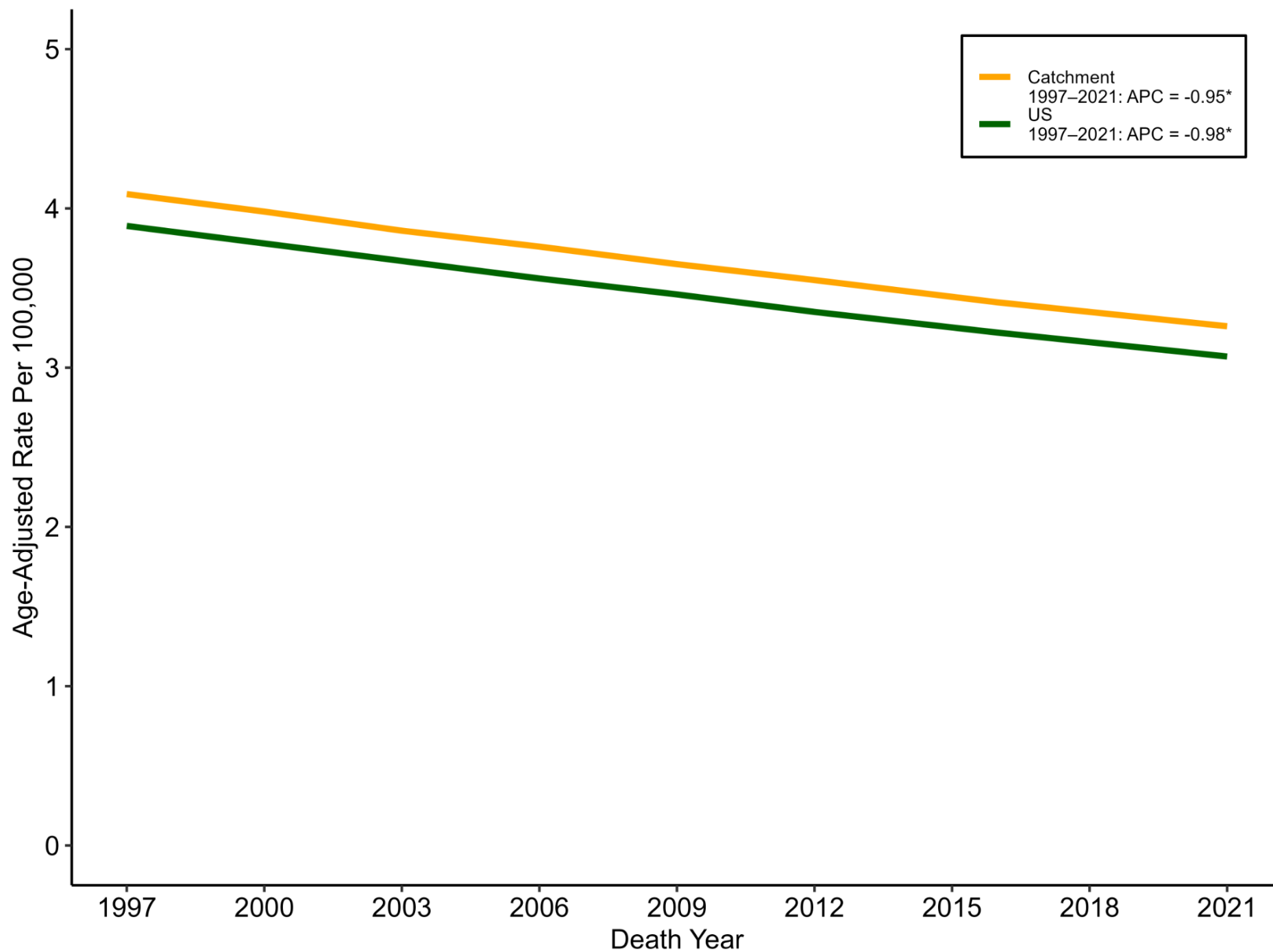


Figure 12. Early Onset Pancreatic Cancer Mortality Trends

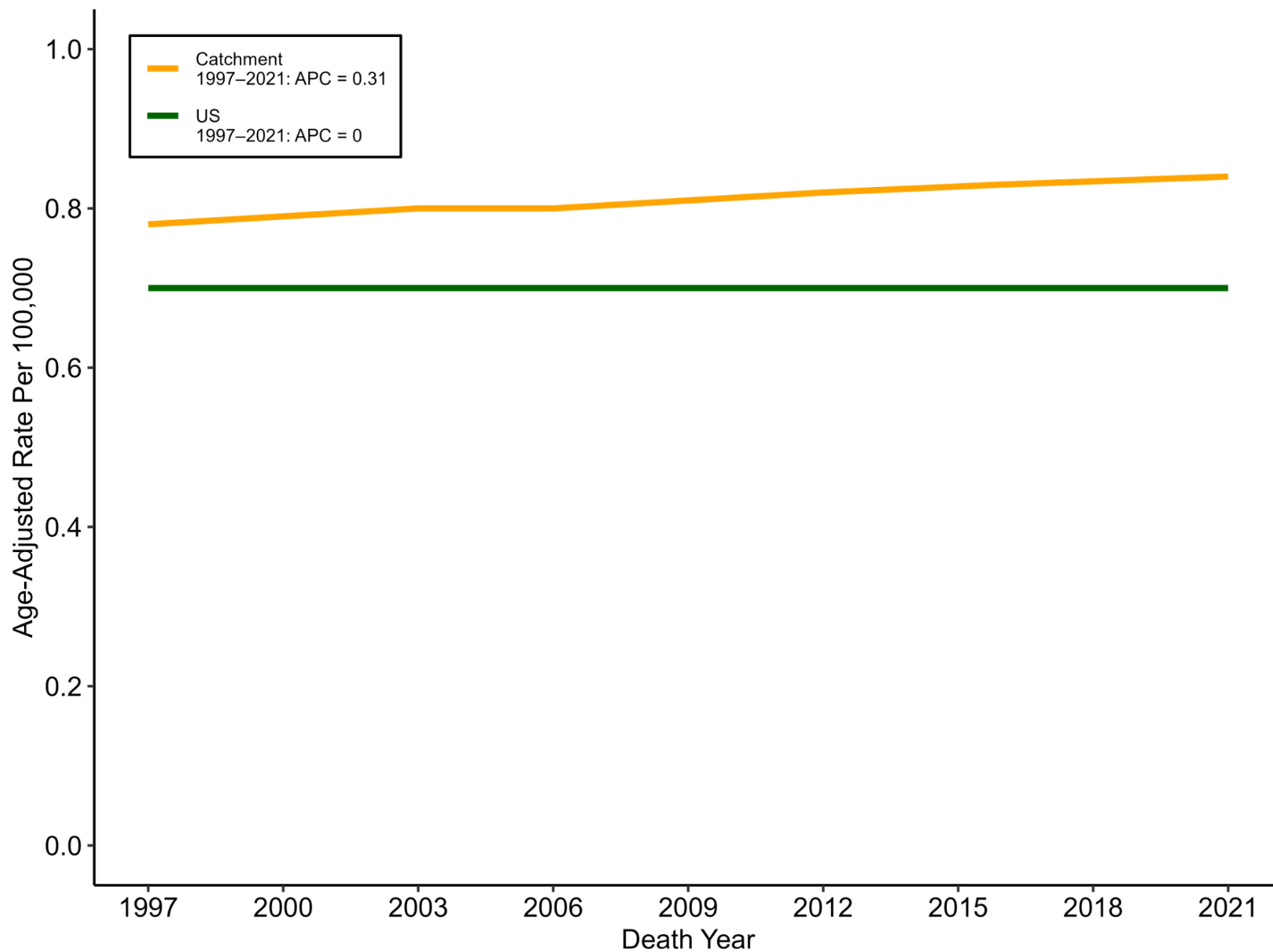


Figure 13. Early Onset Stomach Cancer Mortality Trends

