

# Cancers with Increasing Incidence Trends in the US: 1999-2008

## Introduction

1. D

2. C

3. M

4. A

5. F

6. 7% 2002 2003

D

(H)

N

## Data and Methods

Cancer incidence rates are based on surveillance data from the North American Association of Central Cancer Registries (NAACCR),<sup>6</sup> a compilation of population-based incidence data from the National Cancer Institute's Surveillance, Epidemiology and End Result program and the Centers for Disease Control and Prevention's National Program of Cancer

5

15

A

C

9

## HPV-related Oropharynx

I

M

O

(H)

H

M

H

8

A

(90% 2 39)

9

11

12

H

H

D

1999-2008,

H

4.4%

1.9%

(1)

I

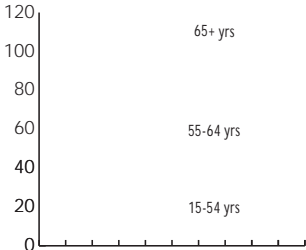
15-64

(F 1, A) B



Figure 1. Incidence Rates\* by Sex and Age for Cancers with Increasing Trends, 1999-2008.

Rates per 100,000 population



HPV = human papillomavirus

\*Age adjusted to the 2000 US standard population. Note the scale of the Y axis differs between cancer sites and genders.

Source: North American Association of Central Cancer Registries. Data are collected by cancer registries participating in NCI's SEER program and CDC's National Program of Cancer Registries.

American Cancer Society, Surveillance Research, 2012

**Table 2. Incidence Rates\* for Cancers with Increasing Trends by State and Sex, Ages 15 Years and Older, 2004-2008**

	HPV-related oropharynx		Esophageal adenocarcinoma		Pancreas		Liver & intrahepatic bile duct		Thyroid		Kidney & renal pelvis		Melanoma of the skin	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Alabama†	8.6	2.2	6.5	0.6	17.6	12.4	10.2	3.6	5.3	14.2	25.9	13.3	31.5	18.0
Alaska	7.6	1.2	7.3	1.7	17.2	14.3	14.0	6.0	7.2	22.0	26.4	15.6	14.4	12.9
Arizona	6.2	1.7	5.9	0.7	14.5	11.2	11.5	3.9	7.6	23.6	23.3	13.2	24.7	14.5
Arkansas	8.6	2.1	5.6	0.7	16.4	11.8	9.9	3.1	5.1	12.8	27.2	14.3	22.7	13.8
California	7.0	1.5	5.4	0.7	16.3	13.3	16.2	5.7	6.1	18.2	23.2	11.2	34.3	20.0
Colorado	6.5	1.3	7.4	0.9	15.0	12.8	10.5	3.8	7.4	21.4	22.5	11.5	32.3	23.5
Connecticut	7.8	1.5	7.9	1.1	20.6	14.9	13.2	3.6	9.8	29.2	26.4	13.7	37.9	25.8
Delaware	9.6	1.9	7.6	1.2	18.1	13.8	12.0	3.0	6.9	20.7	25.8	14.8	42.0	22.8
District of Columbia	8.9	3.3	4.3	0.6	19.7	12.9	17.3	4.7	7.4	15.9	21.9	10.5	15.7	7.2
Florida	9.7	2.2	6.4	0.8	16.7	12.5	12.3	3.8	6.4	18.9	24.0	12.3	30.3	17.9
Georgia	8.5	1.8	5.5	0.6	17.2	12.7	11.4	3.5	5.7	17.1	24.7	12.5	35.5	20.5
Hawaii	7.3	1.3	3.4	0.3	18.0	14.3	19.1	7.2	7.9	24.7	21.8	10.6	34.5	19.1
Idaho	7.6	1.5	8.1	1.0	16.4	13.5	8.1	2.9	7.9	28.9	22.9	12.8	38.1	23.6
Illinois	8.0	1.9	8.1	1.1	18.9	14.2	11.6	4.1	7.1	21.0	28.8	15.1	25.0	16.6
Indiana	8.1	1.8	9.3	1.1	17.0	12.7	9.5	3.4	6.0	18.1	28.3	15.9	26.6	18.1
Iowa	7.1	1.5	9.8	1.2	17.0	12.4	8.6	3.2	7.5	19.8	29.0	14.6	29.7	22.1
Kansas	6.9	1.2	7.0	0.8	15.9	12.2	8.2	2.9	8.2	24.5	25.4	13.7	31.7	22.7
Kentucky	8.8	2.1	8.4	1.0	16.6	13.1	9.8	3.7	7.1	2	3.73.7			

... ( ... ) ...

... : O ... 16 ...  
 ...<sup>18</sup> G ... B ...  
 ...<sup>19,20</sup> A ... B ...  
 ...<sup>21</sup> G ...  
 ...<sup>21</sup>

... : I ... (1.8% ...),  
 ... (2.1% ...), ... H ... (2.8% ...)  
 ... 1999-2008, ... ( ... 1). O ...  
 ... 55

(F ... 1,B) ... (F ... )





...: D ... 1999-2008, ...  
 ... A ... I ... A ...  
 ... 7.6 ( ... 100,000) ... 1999 ... 12.2 ... 2008 ( ... 1, F ... 1, F ... 2, F). ... 1995 ... 1998  
 ...<sup>52, 53</sup>  
 H ... 1999 ... 2008,  
 ...  
 ... ( ... 100,000) ... 2004-2008 ...  
 ... (26.2) ... (13.6),  
 A ... A ... A ... I ... A ... N ...  
 (28.5 ... 29.4, ... ) ... ( ... 1).  
 ...: ... 88.4% ... 1992-  
 1995 ... 91.1% ... 3. ... 712( ... )18( ... )51( ... )-10( ... )1( ... )

... -29( ... )-35 ...





17. C... MB, C... H, D... O... 1977-2005. *Br J Cancer* 2009;101(5): 855-9.

18. L... J, B... N... O. A... *Ann Intern Med* 1999;130(11): 883-90.

19. L... J, B... L... A, N... O... *N Engl J Med* 1999;340(11): 825-31.

20. K... JL, ... JC, K... LH. E... B... *Cancer Epidemiol Biomarkers Prev* 1997;6(5): 369-77.

21. B... M, L... J, F... J. E... I... *Cancer Epidemiology and Prevention. N... O...* 2006;697-706.

22. L... J. C... *Lancet Oncol* 2006;7(4): 347-9.

23. F... KM, C... MD, O... CL, G... L... 1999-2008. *JAMA* 2010;303(3): 235-41.

24. L... C, F... E... M, G... LC, M... AH. I... *Obesity (* ) 2007;15(1): 216-24.

25. ... KK, ... E... 2008. *Am J Gastroenterol* 2008;103(3): 788-97.

26. A... K, M... D... C... I... D, F... J... *Cancer Epidemiology and Prevention. N... O...* 2006;721-62.

27. B... G... A... E. A... *Br J Cancer* 2003;89(3): 519-23.

28. ... D... H... N, B... LM, ... B... A... ? *Epidemiology* 2003;14(1): 45-54.

29. L... M, G... K. L... I... D... J... *Cancer Epidemiology and Prevention. N... O...* 2006;763-86.

30. ... JF, A... GL, F... LA, H... J, B... B... *J Hepatol* 2006;45(4): 529-38.

31. D... F, B... M. A... B... C... *Int J Cancer* 1998;75(3): 347-54.

32. ... D... H... H... *The Health Consequences of Smoking: A Report of the Surgeon General*, GA, 2004.

33. ... M, G... BI, E... HB, ... *Clin Gastroenterol Hepatol* 2007;5(10): 1221-8.

34. ... M, G... BI, ... E... HB, D... JA, M, G... KA. M... EE... *Hepatology* 2011;54(2): 463-71.

35. A... GL, ... A... E, M... GM, K... L, A... MJ. ... C... 1999-2002. *Ann Intern Med* 2006;144(10): 705-14.

36. A... F... JF, K... J... M, F... C, B... B... N... 1998-2003. *Prev Chronic Dis* 2008;5(3): A74.

37. ... C... E, F... L, F... AE, B... B... H... B... *Epidemiol Rev* 2006;28: 112-25.

38. M... EE, M... H... F... AE, ... A... B... I... (ACI) ... *MMWR Recomm Rep* 2005;54(-16): 1-31.

39. M... EE, ... CM, F... AE, ... A... B... I... (ACI) ... II: ... *MMWR Recomm Rep* 2006;55(-16): 1-33; CE1-4.

40. L... A... D... B... C... ? *J Gastroenterol Hepatol* 2011;26(2): 221-7.

41. B... J... M... A... A... L... D... M... *Hepatology* 2011;53(3): 1020-22.

42. ... E... A... I... D... J... *Cancer Epidemiology and Prevention. N... O...* 2006;975-94.

43. ... -M... F... E, N... E... 14... ? *Cancer Causes Control* 2003;14(8): 787-9.

44. N... E, D... M... L... E... A... *Cancer Causes Control* 1999;10(2): 143-55.

45. D... L... HG. I... 1973-2002. *JAMA* 2006;295(18): 2164-7.

46. D... L, Q... M, H... M, ... HG. ? *Laryngoscope* 2010;120(12): 2446-51.

47. C... A, J... A, ... EM. I... 1988-2005. *Cancer* 2009;115(16): 3801-7.

48. E... L, ... K... E... 1980-2005. *Cancer Epidemiol Biomarkers Prev* 2009;18(3): 784-91.

49. A... -K... B... MH, ... MM, D... 1992-2006. *Thyroid* 2011;21(2): 125-34.

50. L... L, ... E, M, L... JK. *J Urol* 2006;176(6 (1): 2353-8.

51. M, L... J, L... L, ... B... I...

56.J \_ A,D \_ ,H\_ MA.