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

## Introduction

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سانے فرم از ان کی در ایر ان اور اور ان مراب کے درانے اور ان ا ومان المناط والعادات ولأنبيا فالأساط عامان والأراد والبيان والمائم المنكرون و = رجاحے درجاد کی ہے۔ ا<u>ال</u>ر دانجان کی اس سے انجو اس سے , is a substitute of  $N_i$  and  $N_i$ 

## **Data and Methods**

Cancer incidence rates are based on surveillance data from the North American Association of Central Cancer Registries (NAACCR),6 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

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## **HPV-related Oropharynx**

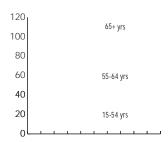
 $\langle \cdot \cdot \cdot \cdot \rangle = \langle \cdot \cdot \cdot \rangle$   $\langle \cdot \cdot \cdot \rangle = \langle \cdot \rangle = \langle$  $(A_{r_1}, A_{r_2}, A_{r_3}, A_{r_4}, A_{r_5}, A_{r_5}, A_{r_5}, A_{r_5}, A_{r_5}, A_{r_5})$  $\Delta = \Delta_{-1} = \sum_{i=1}^{n} M_i + \Delta_{i-1} = \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n}$ (x,y) = (x,y) = (x,y) + (x,y) + (x,y) = (y) + $(a_1, b_2, \ldots, b_n) = (b_1, b_2, \ldots, b_n) = (b_1, b_2, \ldots, b_n) = (b_1, \ldots, b_n) = (b_1, \ldots, b_n)$ 

 $\mathbf{A}_{i}$  ,  $\mathbf{A}_{i}$  $(90\%2 \ 39)$  , 9 , (5, -1)

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..., : D . 1999-2008, . , . , . , . H . -4.4%  $\sim \Delta \sim 2.5$  1.9%  $\sim 2.5$   $\sim \Delta \sim 1.5$ , \$ - \_ \_ \_ \_ \$ - , \_ 10 ( \_ . 1).I , \_ - , \_ \$ - , \_ \_ 5 - , \_ - \_ 5 15-64

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



HPV = human papillomavirus

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

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

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
lowa	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			

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3.8% · · · \_ ), A , \_ . 2.3 ( 100,000), 1999 ↑ 4.2 . 2008 (F | 2).  $\mu_1, \dots, \mu_{n-1}, \mu_{n-1}, \dots, \mu_{n-1}, \dots,$ 

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 $\ell_{2}, \ell_{2} \in F : \mathbb{R}^{2} \times \mathbb{R}^{2} = \mathbb{R}^{2} \times \mathbb$ . 12.5% . 1992-1995 \ 27.4% . 2001-2007 ( \_ 3).  $\cdots = 1 \quad 1 \quad \cdots \quad 1 \quad$ (1.6% , 1992-1995 , 2.5% , 2001-2007) , , <del>-</del> , · ·

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1995 \( 91.1\% \) - 3. \( \) 712(\( \) ()18(\( \) )51(\( \) -10(\( \) )1(\( \) \) \( \) \( \) \_1, \( \) -29(\( \) -35 \) . \( \) -

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