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Epidemiology and vaccination acceptability

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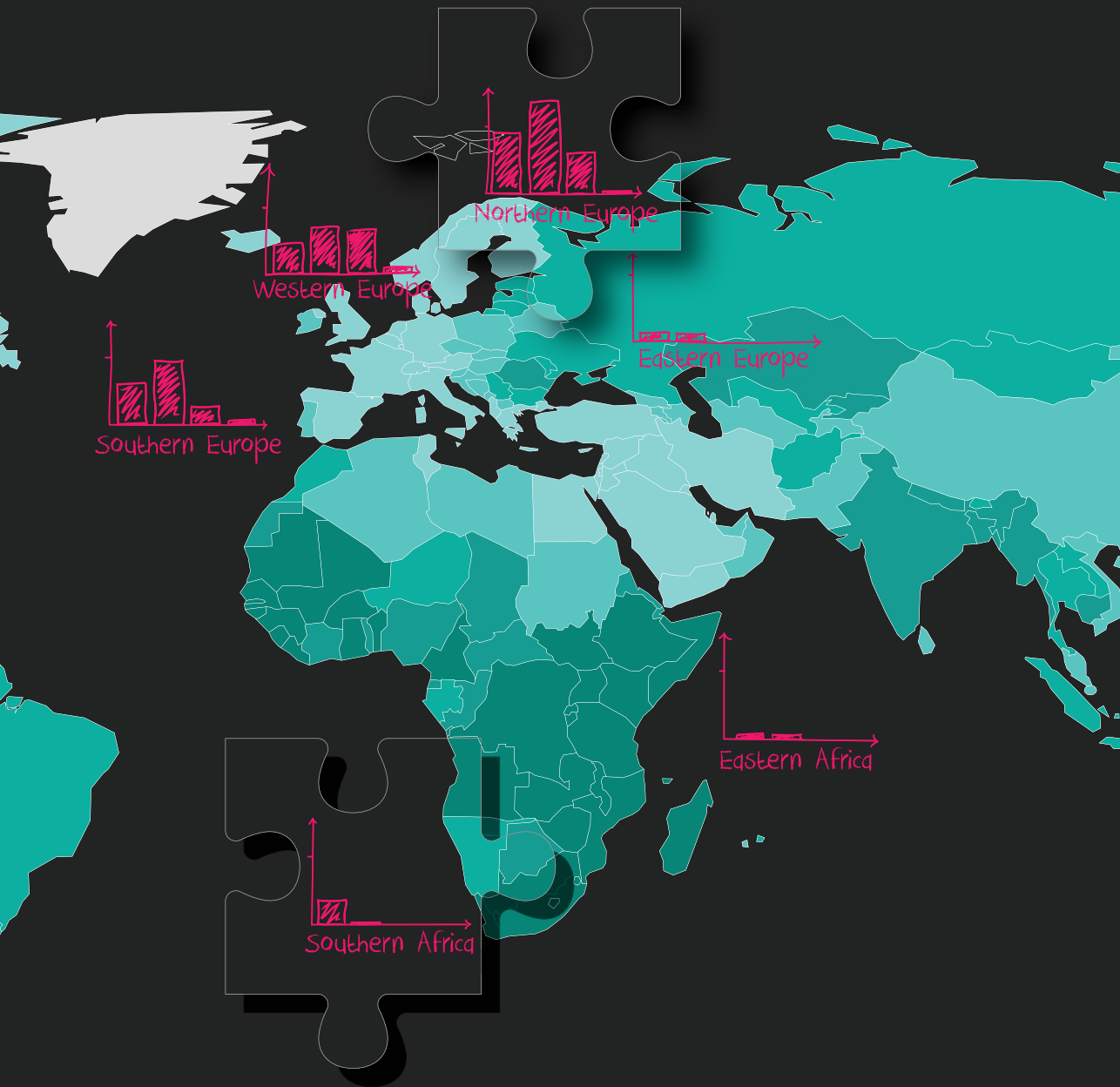
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HPV IN MINORITY POPULATIONS: epidemiology and vaccination acceptability

C.J. Alberts

**HPV in minority populations:
epidemiology and vaccination acceptability**

Catharina J. Alberts

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Cover: Janna Willemine Alberts

About the cover: The cover visualizes where the burden of HPV related diseases (cervical cancer) takes its highest toll, and to what degree primary prevention methods (HPV vaccination) are currently available and taken up. The color gradient on the map represents the age standardized mortality rate (from the lightest shade to the darkest shade: <2, 2.4-5.9, 5.9-9.8, 9.8-17.5, >17.5 per 100,000 women per year). The bar chart represents the HPV vaccination uptake among women (from left to right for the age group 10-14, 15-19, 20-24, 25-29 years, the tick on the vertical axis represents 50% full-course coverage).

The figures on the cover are adapted from:

Ferlay J, Soerjomataram I, Ervik M, Dikshit R, Eser S, Mathers C, Rebelo M, Parkin DM, Forman D, Bray, F. GLOBOCAN 2012 v1.0, Cancer Incidence and Mortality Worldwide: IARC CancerBase No. 11 [Internet]. Lyon, France: International Agency for Research on Cancer; 2013. Available from: <http://globocan.iarc.fr>, accessed on 18/09/2016.

Bruni L, Diaz M, Barrionuevo-rosas L, Herrero R, Bray F, Bosch FX, et al. Global estimates of human papillomavirus vaccination coverage by region and income level : a pooled analysis. Lancet Glob Heal. 2016;4: 453–463.

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**HPV IN MINORITY POPULATIONS:
EPIDEMIOLOGY AND VACCINATION ACCEPTABILITY**

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor

aan de Universiteit van Amsterdam

op gezag van de Rector Magnificus

prof. dr. ir. K.I.J. Maex

ten overstaan van een door het College voor Promoties ingestelde commissie,

in het openbaar te verdedigen in de Aula der Universiteit

op vrijdag 3 februari 2017, te 13:00 uur

door Catharina Johanna Alberts

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LIST OF ABBREVIATIONS

aOR	adjusted Odds Ratio
CDC	Centers for Disease Control and Prevention
CT	<i>Chlamydia trachomatis</i>
CI	Confidence interval
GEE	Generalized estimating equations
GGD	Geneeskundige en Gezondheidsdienst (Public Health Service)
GP	General Practitioner
HELIUS	Healthy Life In an Urban Setting
HIV	Human Immunodeficiency Virus
HPV	Human Papillomavirus
hrHPV	High-risk Human Papillomavirus
HSV-2	Herpes Simplex Virus-2
IDU	Injecting Drug Use
insMSM	men who have sex with men (MSM) reporting to have had only insertive (but not receptive) anal sex
IQR	Interquartile Range
LSP	Lifetime number of sexual partner
MFI	Median Fluorescence Intensity
MSM	Men who have Sex with Men
NIP	National Immunization Program
OR	Odds Ratio
Pap	Papanicolaou
PCR	Polymerase Chain Reaction
recMSM	MSM reporting receptive anal sex
RIVM	Rijks Instituut voor de Volksgezondheid en Milieuhygiëne (National Institute of Public Health)
SD	Standard Deviation
STD	Sexually Transmitted Disease
STI	Sexually Transmitted Infection
WHO	World Health Organization
WSM	Women who have Sex with Men