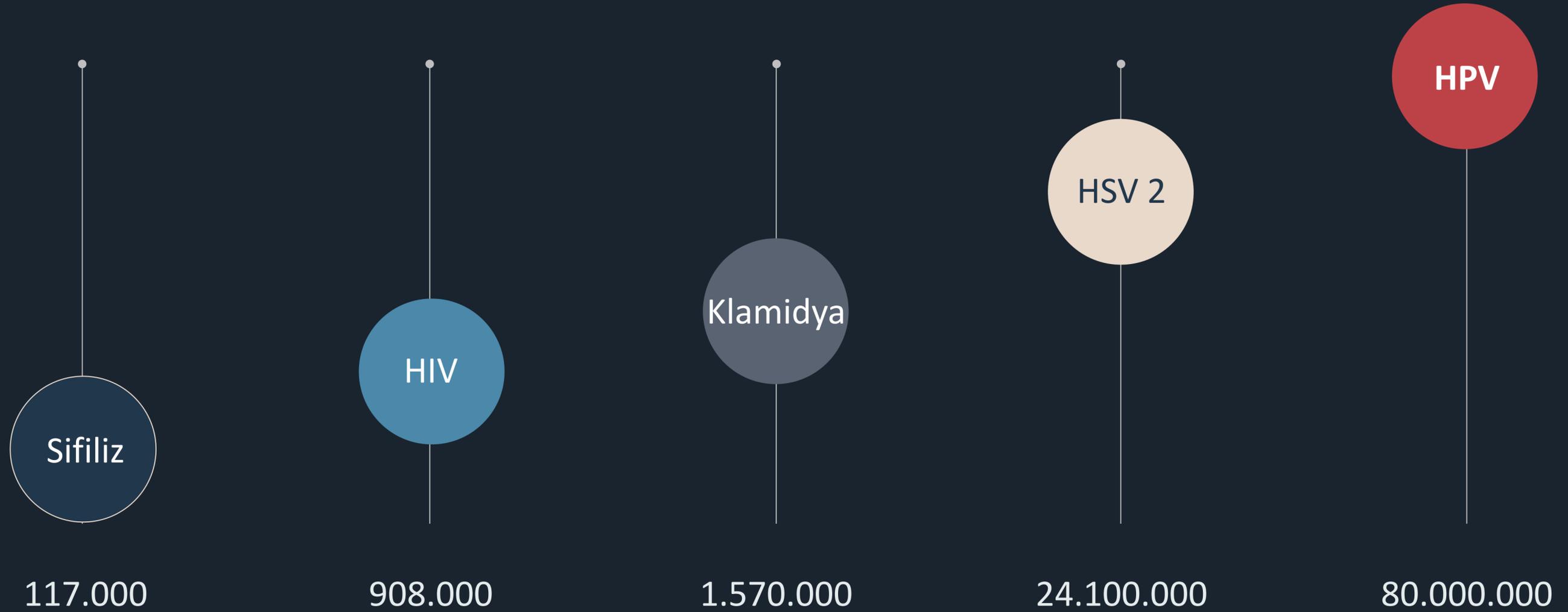


# CYBH – Yıllık Veri







**İSTANBUL MEDENİYET ÜNİVERSİTESİ**  
**4. KADIN HASTALIKLARI VE DOĞUM GÜNLERİ**  
HPV ENFEKSİYONUNDAN SERVİKAL KANSERE  
9 Şubat 2020

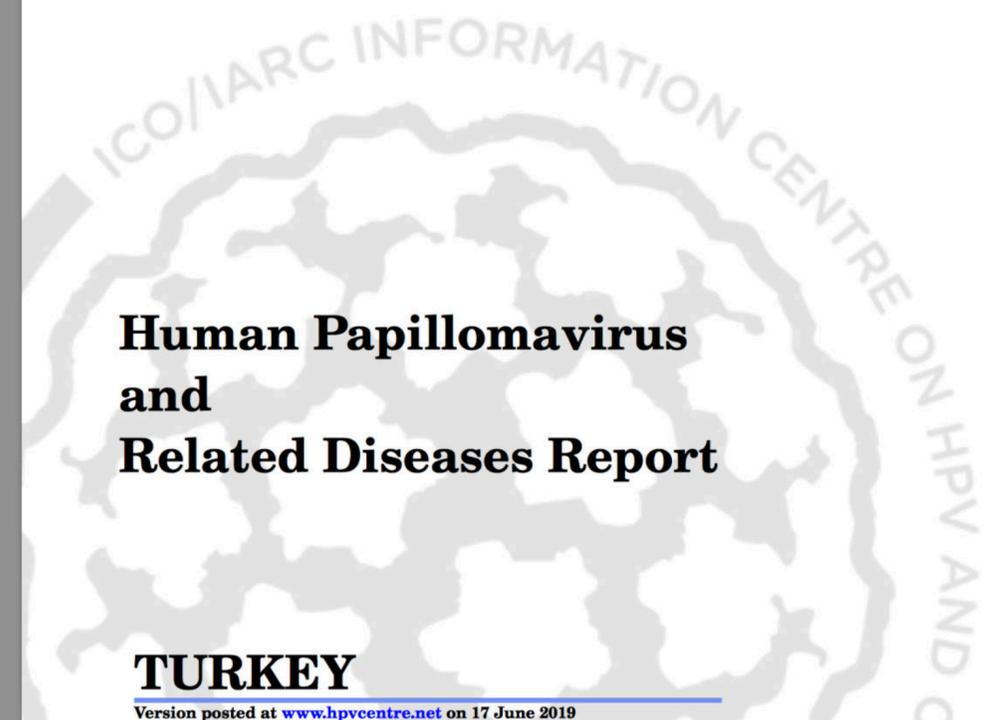
# HPV Enfeksiyonunun Doğal Seyri

Doç. Dr. İlker Kahramanoğlu

*Fotoğraflar, günlük pratiğimize tetkik-tedavi edilen hastalardan onam alınarak kullanılmıştır*

*Çıkar İlişkisi: Yok*

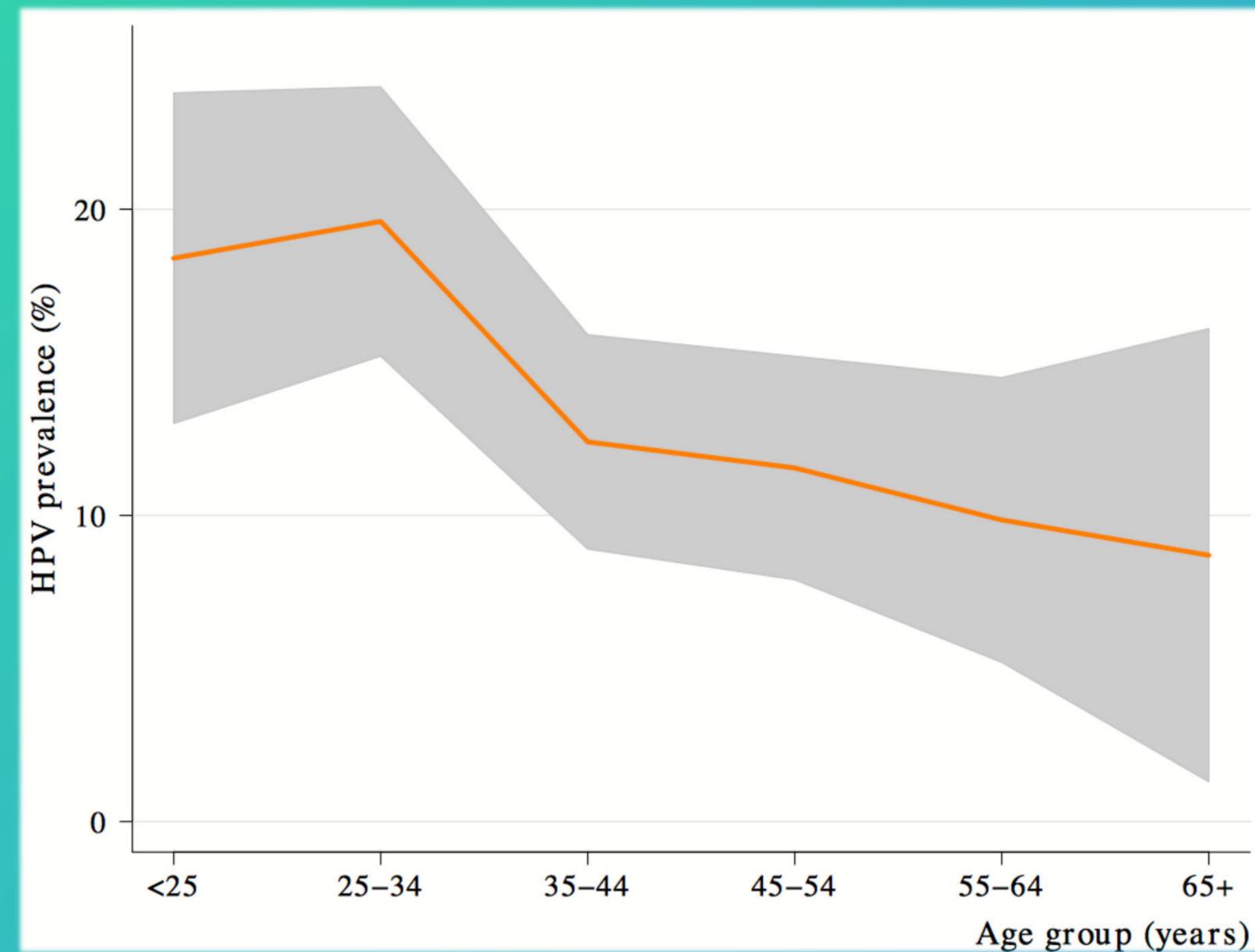
# Normal sitolojide HPV



**Human Papillomavirus  
and  
Related Diseases Report**

**TURKEY**

Version posted at [www.hpvcentre.net](http://www.hpvcentre.net) on 17 June 2019



Hipokrat

Dr Stern

zur  
Hausen

M.Ö. 400

1842

1951

1975

*Sigil*

*Seksüel aktivite ve serviks Ca*

*Serviks Ca'da virüs*

*HPV-serviks Ca ilişkisi*



## The Nobel Prize in Physiology or Medicine 2008

"for his discovery of human papilloma viruses causing cervical cancer"

"for their discovery of human immunodeficiency virus"



© Klaus Rüschoff, Springer Medizin Verlag

**Harald zur Hausen**



Photo: Sakutin/SCANPIX

**Françoise Barré-Sinoussi**



Photo: Magunia/SCANPIX

**Luc Montagnier**

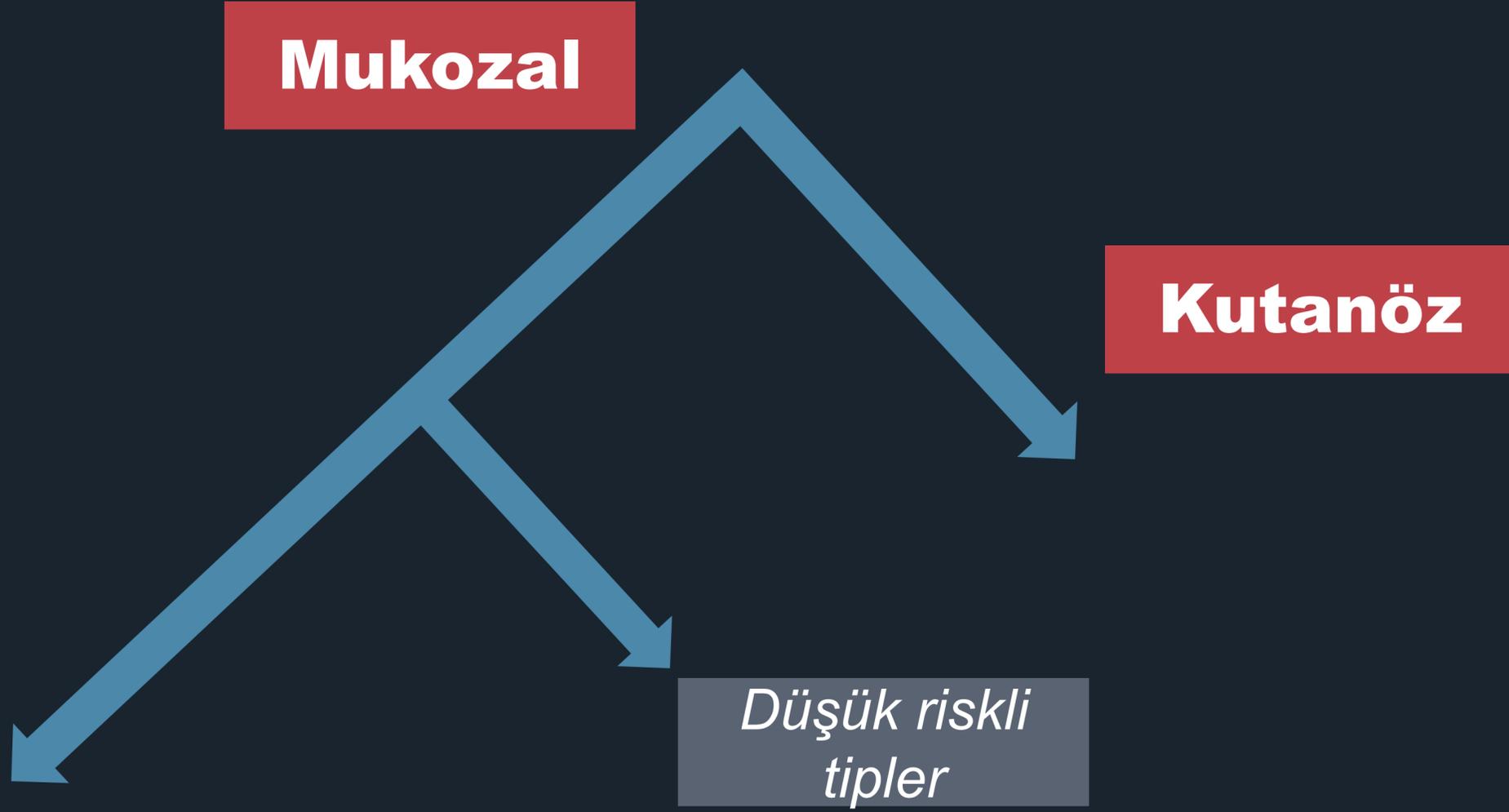
# HPV Sınıflaması

**Mukozal**

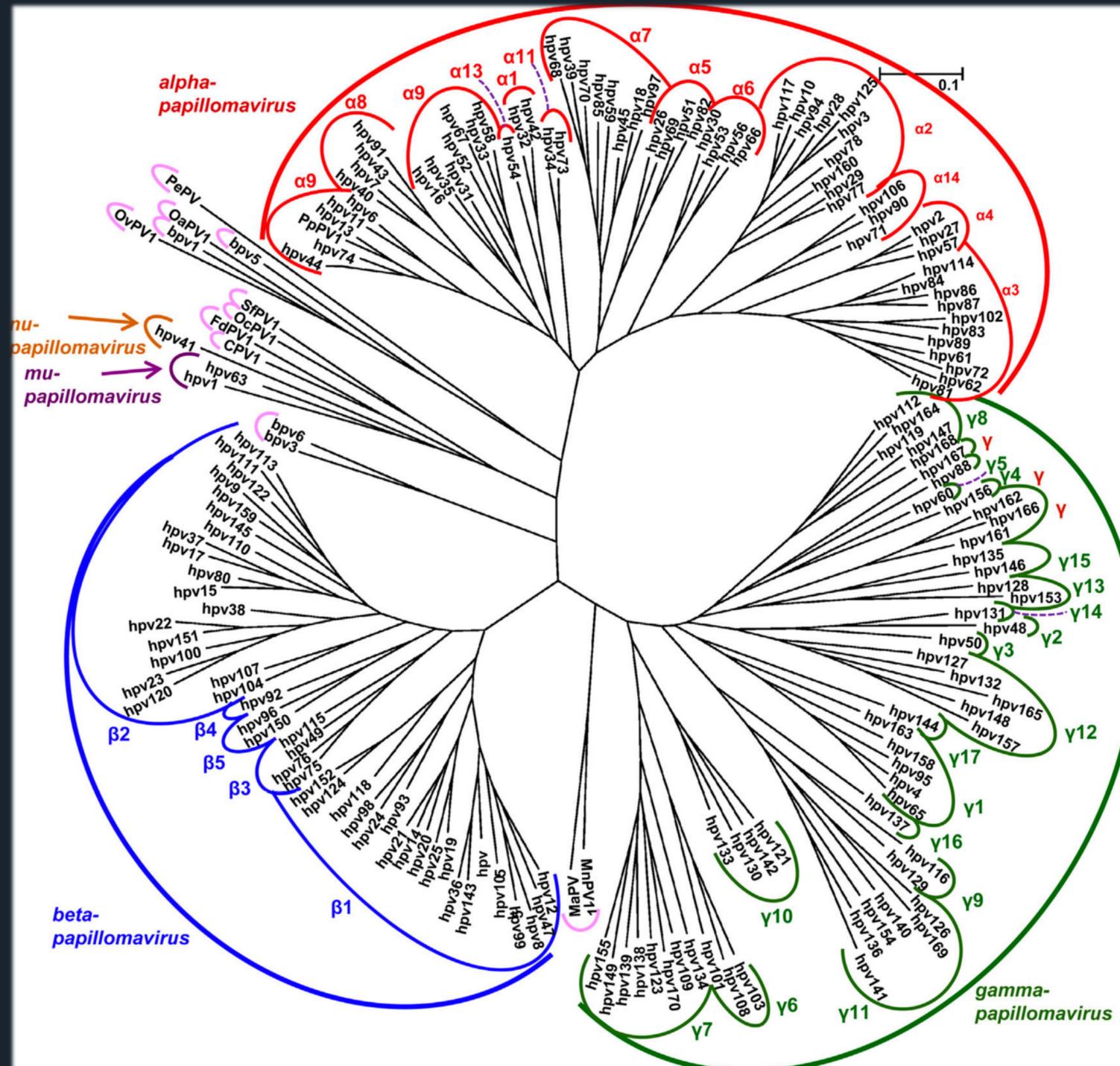
**Kutanöz**

*Yüksek riskli  
tipler*

*Düşük riskli  
tipler*



# Papillomaviridae Ailesi





**Palmo-plantar siğil**

***HPV 1,2,4***

*Insinga, Cancer Epidemiol,  
2008*



**Kondiloma akuminata**

***HPV 6,11***

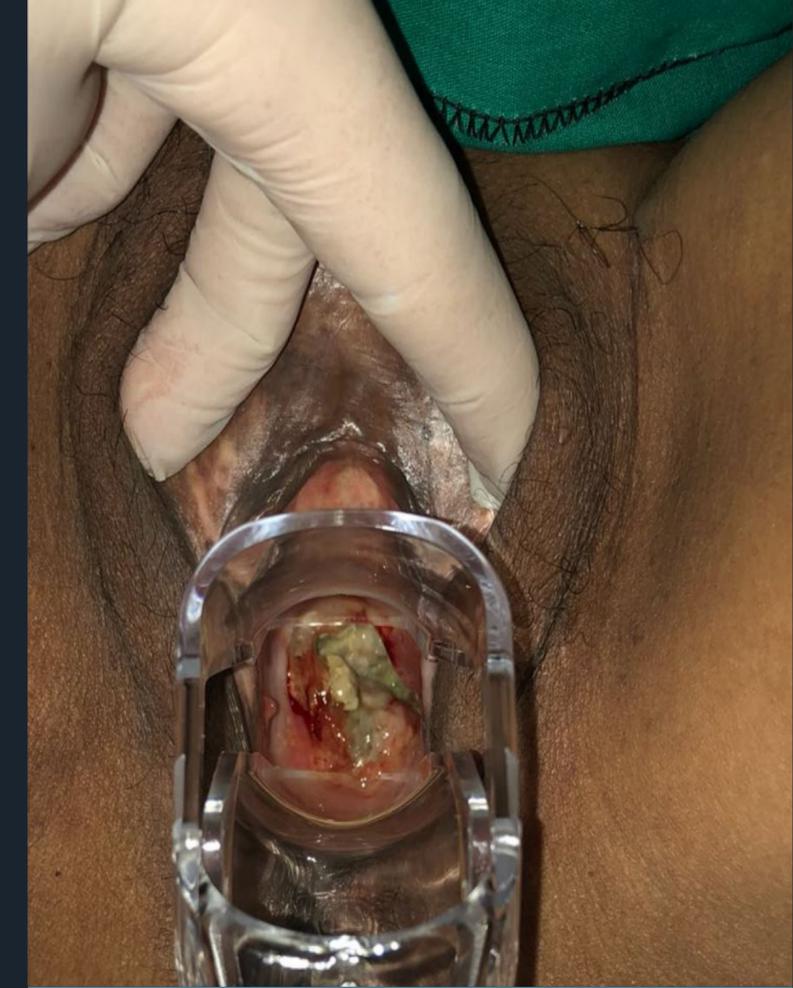
*Srodon, Am J Surg Pathol,  
2006*



**Respiratuar papillom**

***HPV 6,11***

*Insinga, Cancer  
Epidemiol, 2008*



**Vulva-Vajen-Serviks Ca**

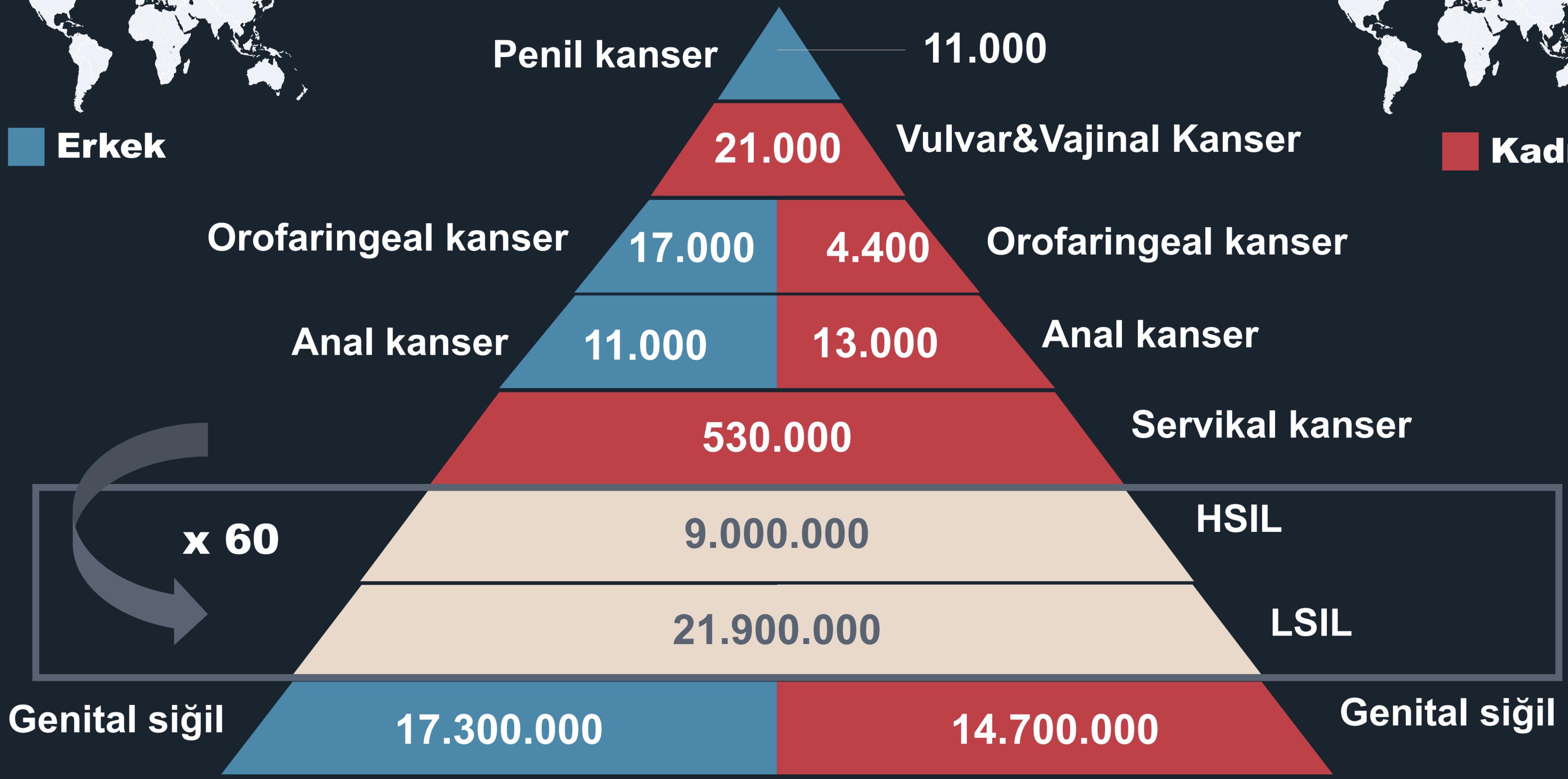
***HPV  
16,18,31,33,35,39,  
45,51,52,56,58,59***

*IARC, 2007*



**Erkek**

**Kadın**



**x 60**

# Anogenital HPV



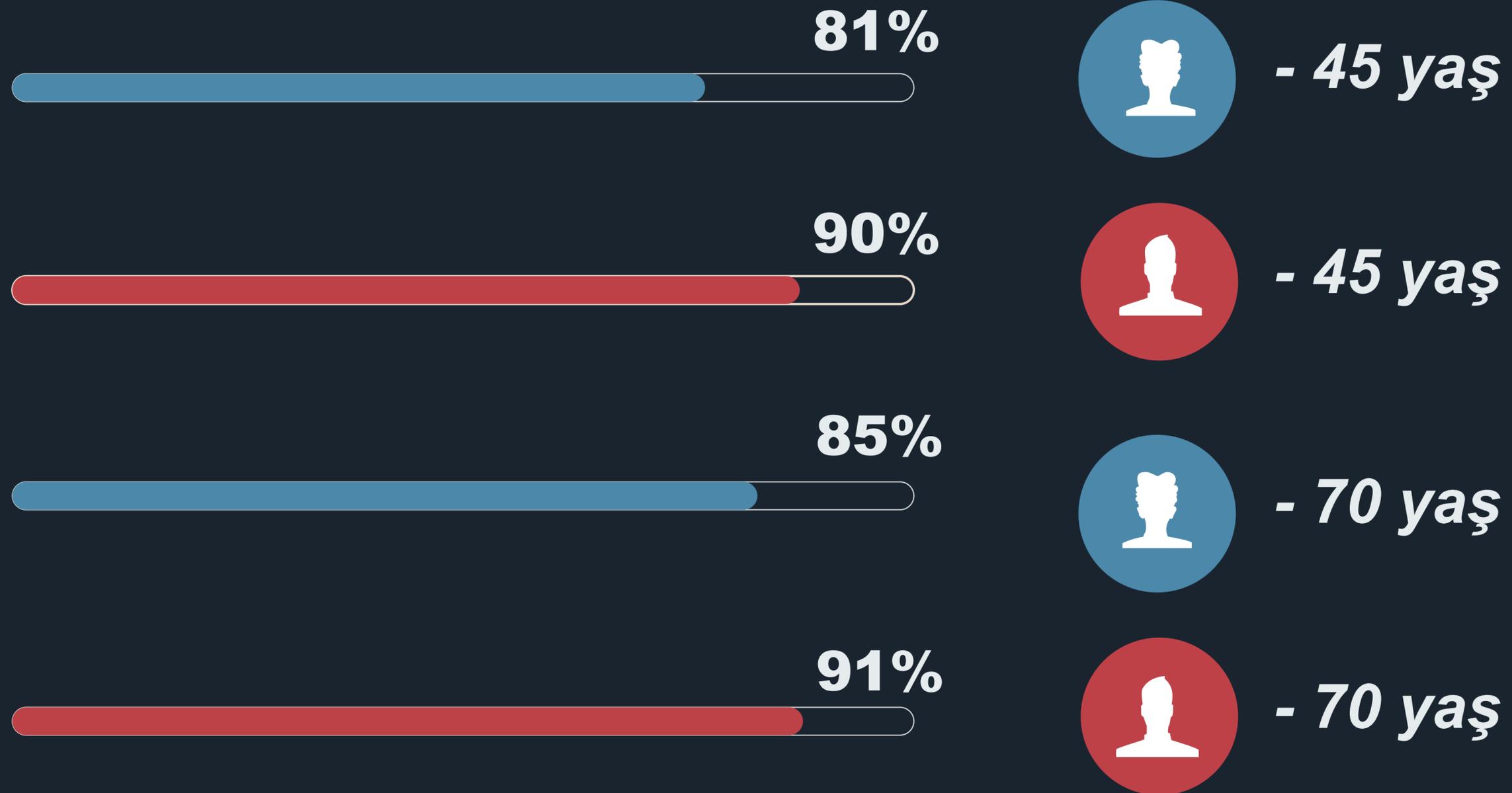
**En sık**



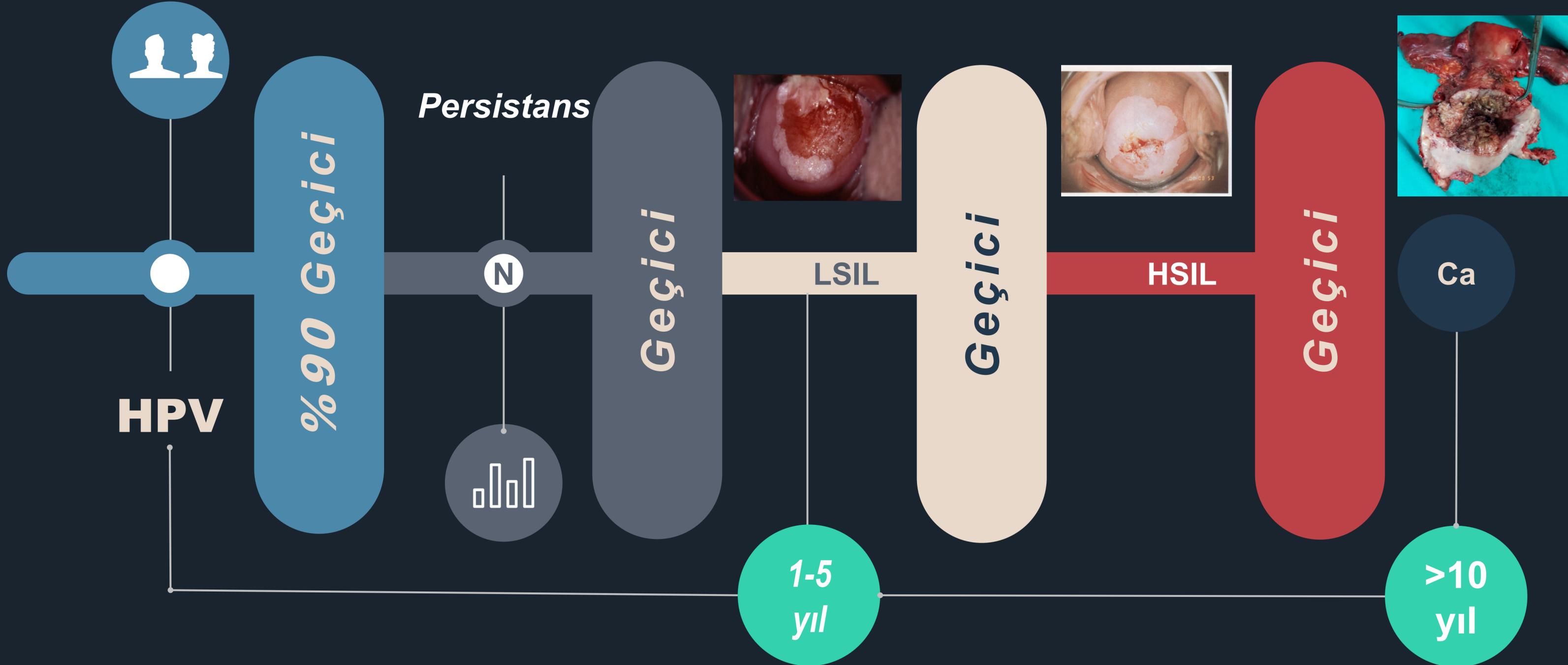
**> 40 tip**



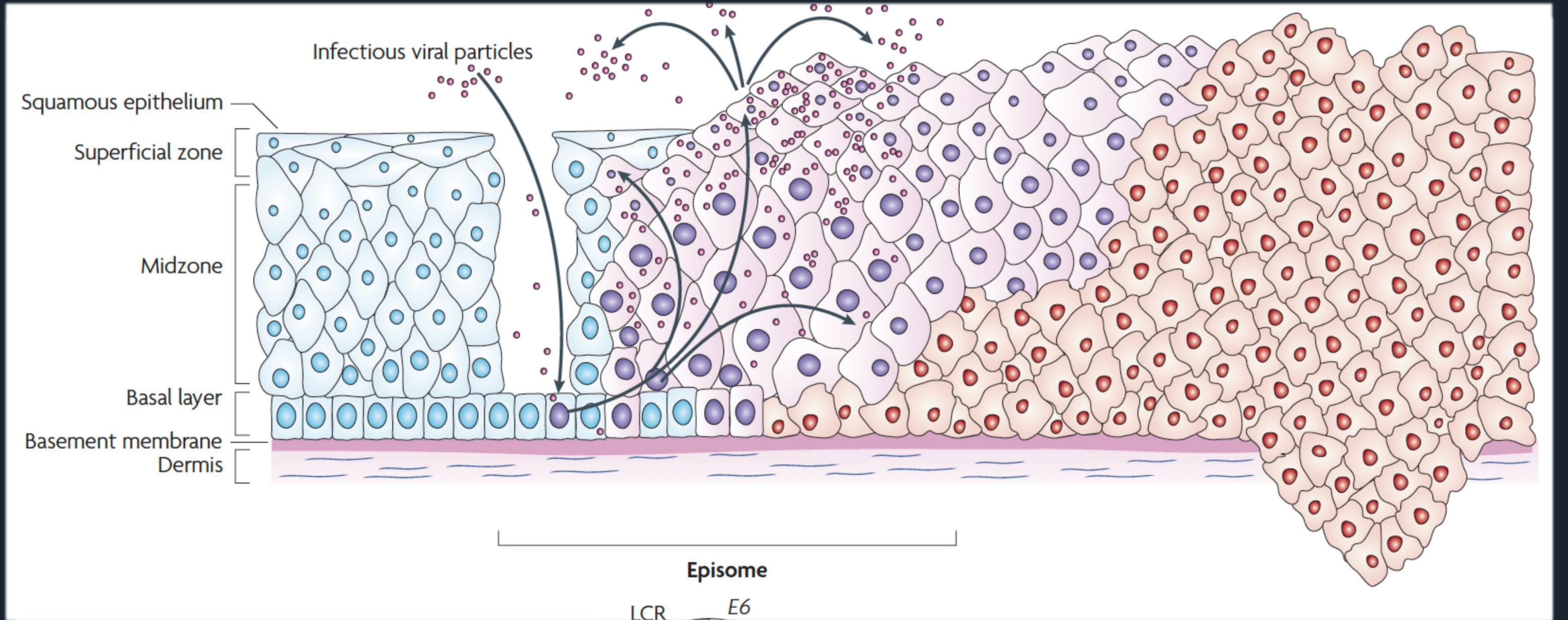
# HPV Bulaş İhtimali



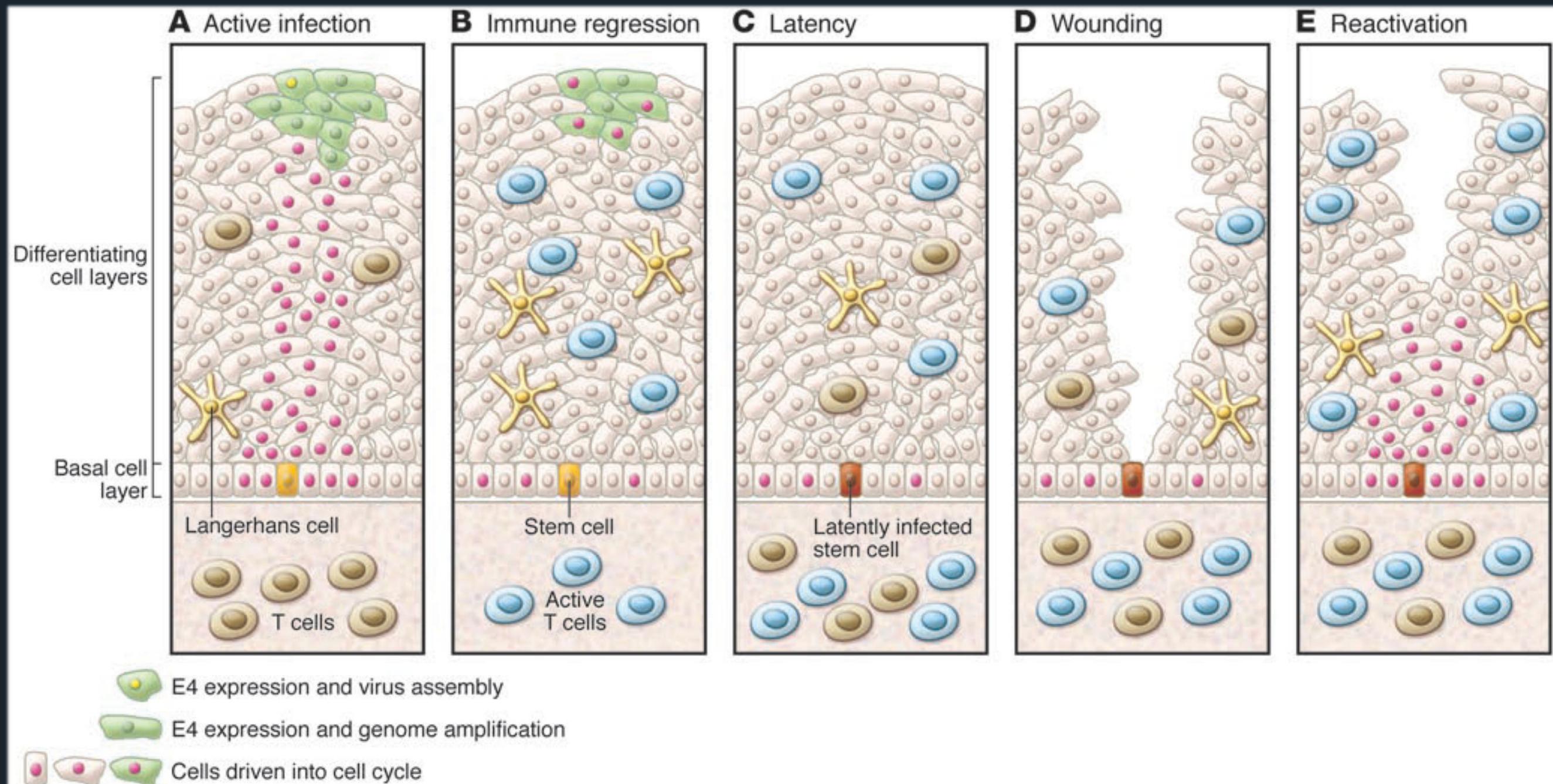
# HPV Enfeksiyonu

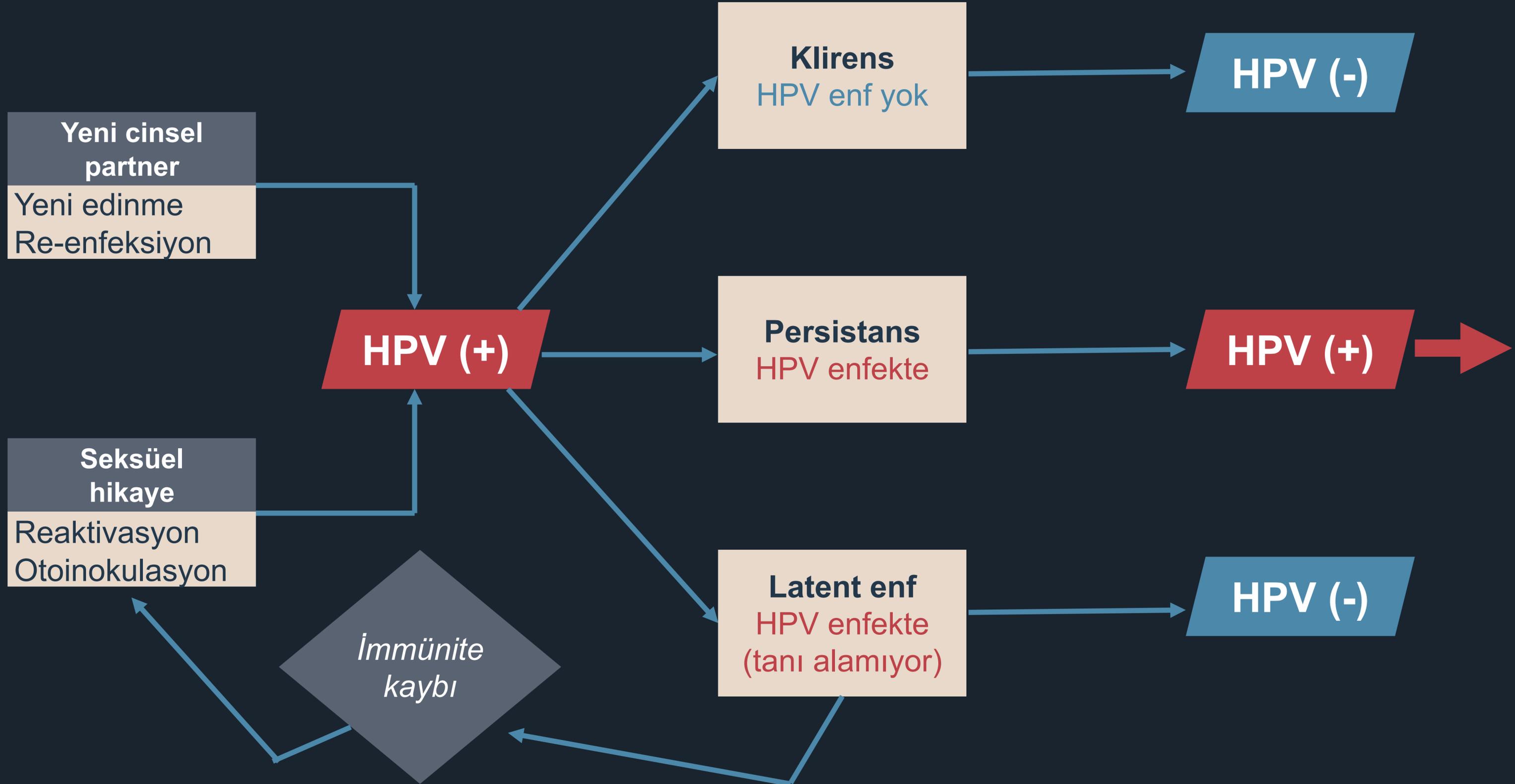


# Servikste HR-HPV Yaşam Döngüsü

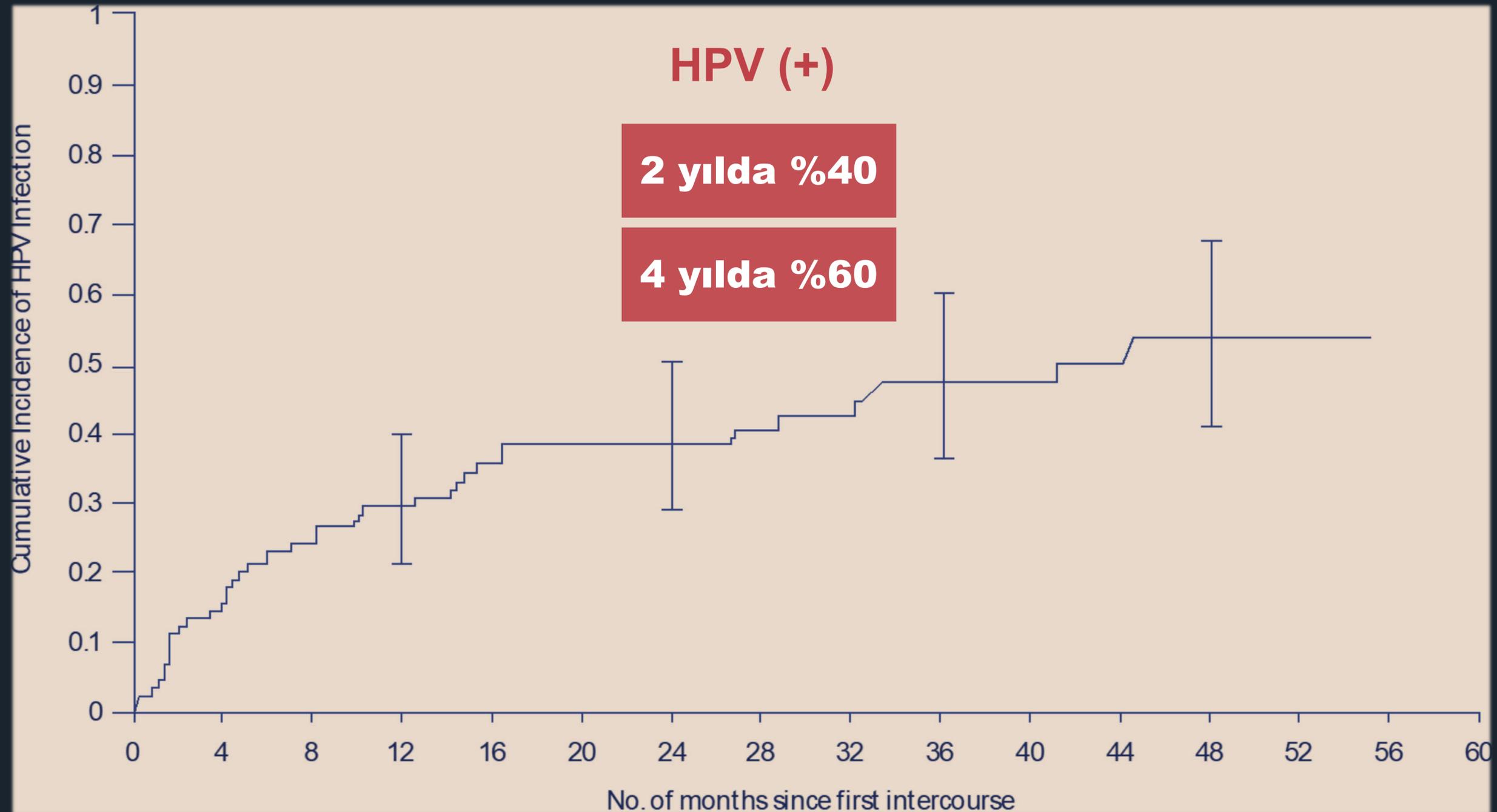


# Servikste Latent HPV

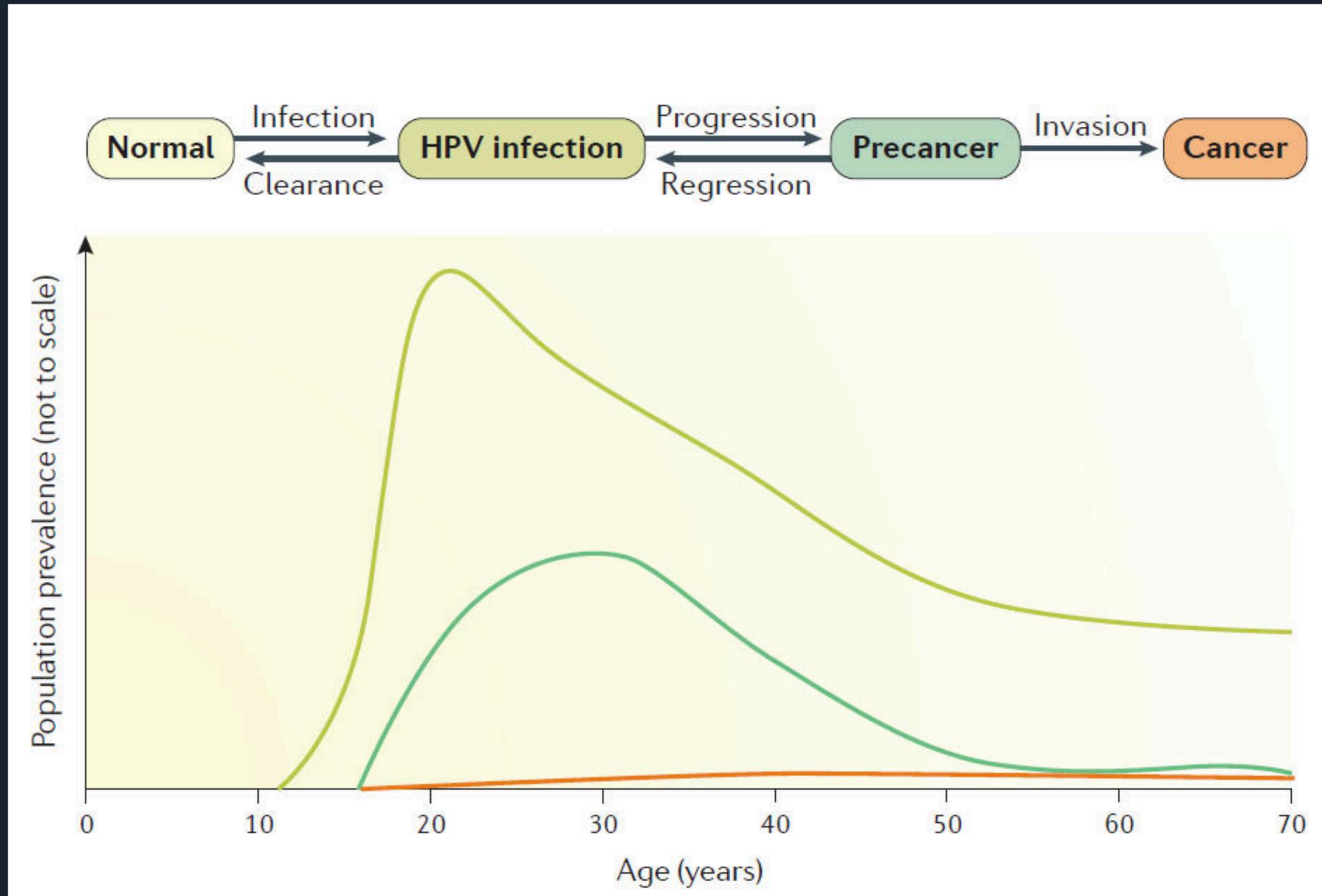




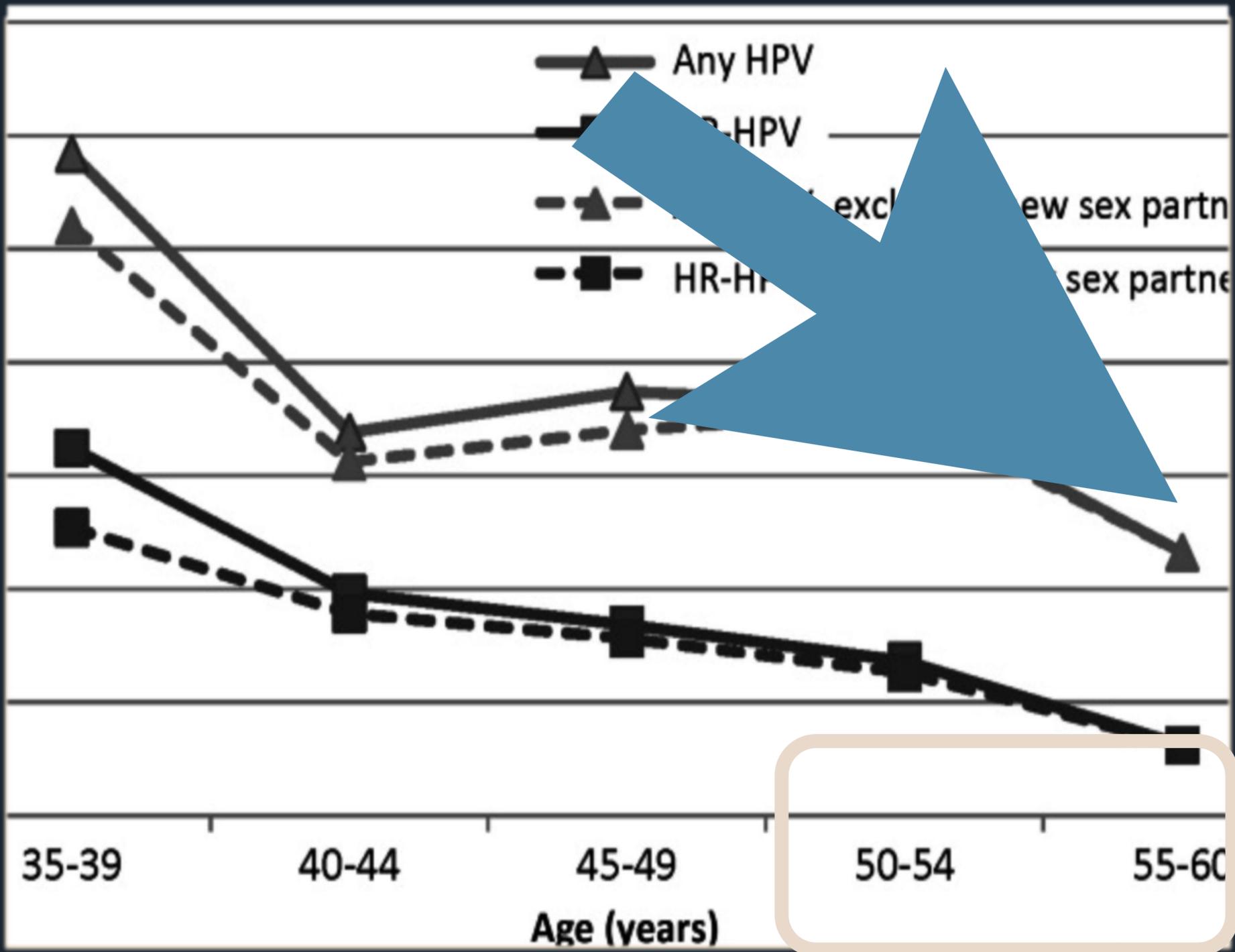
# İlk Cinsel İlişki



# ***‘HPV Enfeksiyonundan Servikal Kansere’***



# Artan yaş ve HPV



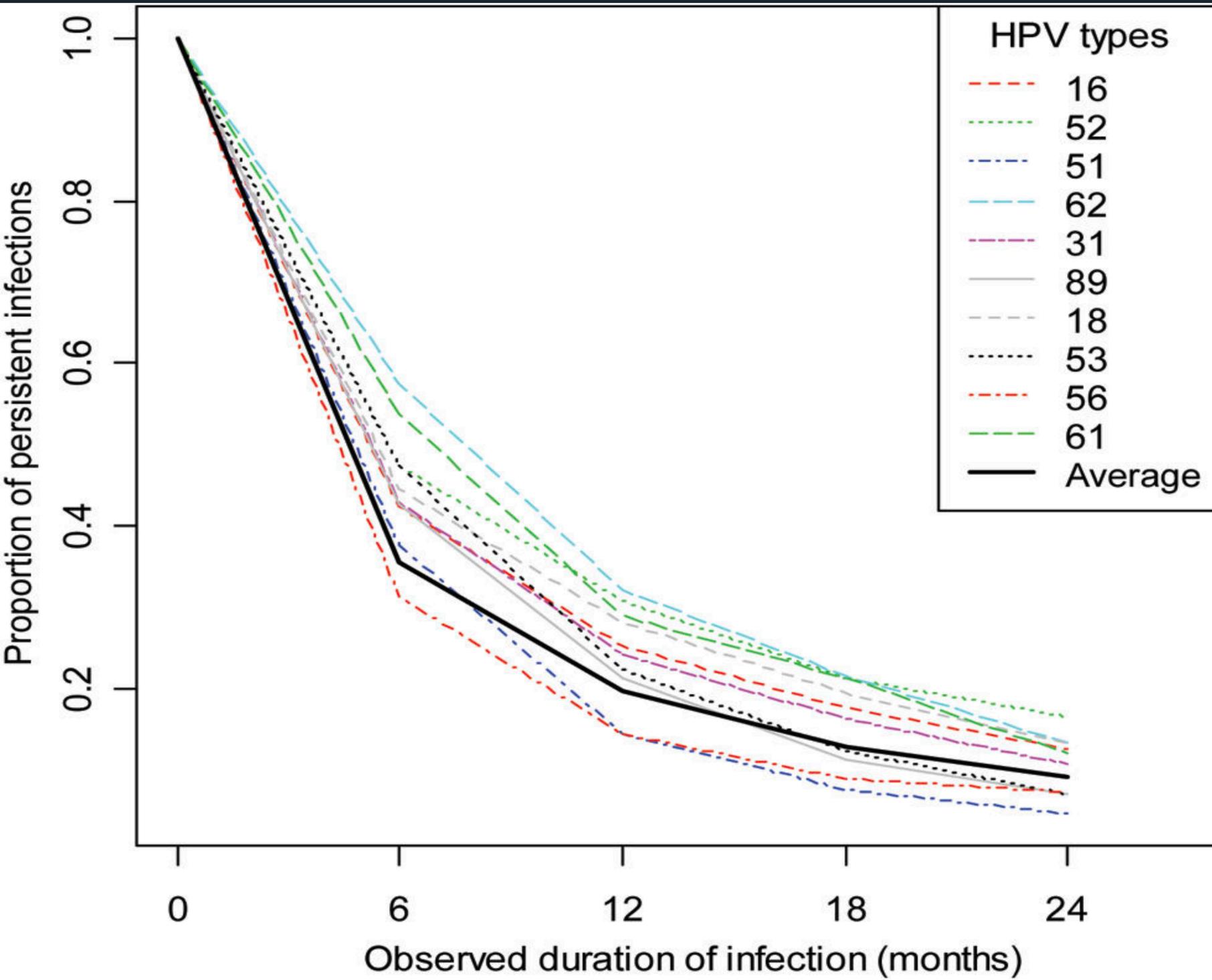
**Reaktivasyon**

n>800

HR-HPV (+)

Partner > 5  
% 87

Yeni partner  
% 8



# Persistans

**6. ay**



**12. ay**



**18. ay**



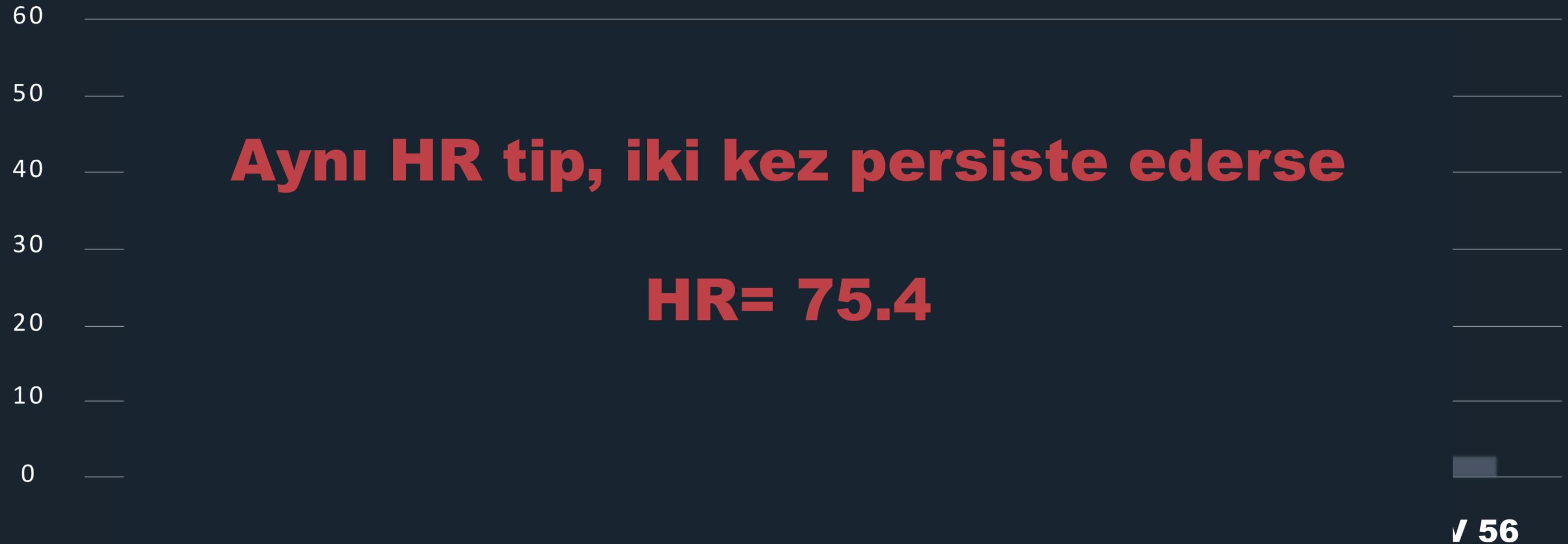
**24. ay**



# Persistans - HPV Tipleri

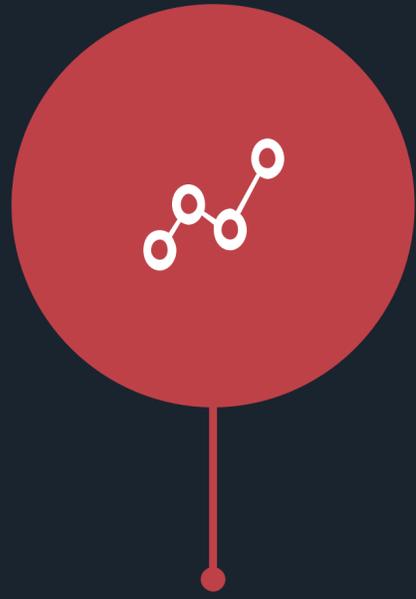
**8 yıl içinde CIN 3+**

*n= 874*



Chen, JNCI, 2011

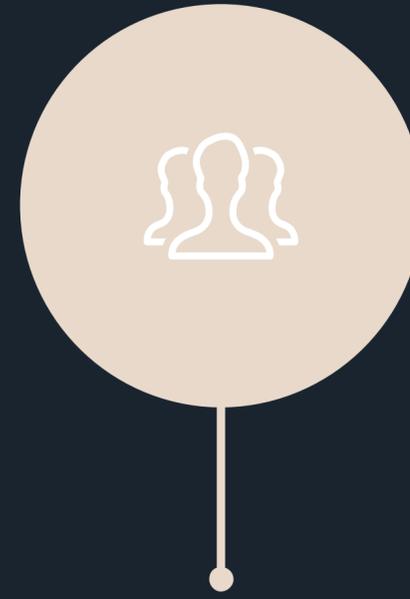
# Persistans Riskini Arttıran Faktörler



İmmüsupresyon



Sigara



CYBH



Vajen flora

# Persistans Riskini Arttıran Faktörler

RESEARCH

www.AJOG.org

GENERAL GYNECOLOGY

## Persistence and clearance of human papillomavirus infection: a prospective cohort study

Maria Inês Rosa, MD, PhD; Jandira M. G. Fachel, PhD; Daniela D. Rosa, MD, PhD;  
Lidia R. Medeiros, MD, PhD; Cristine N. Igansi, MD; Mary C. Bozzetti, MD, PhD



>3 partner

OR: 2.48 (1.1-5.4)

<21 yaş

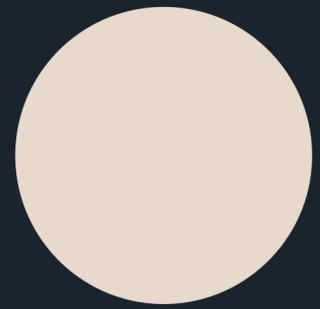
İlk ilişki

OR: 3.14 (1.4-6.8)

# Klirens

*n=800*

HPV 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68, 73, 82



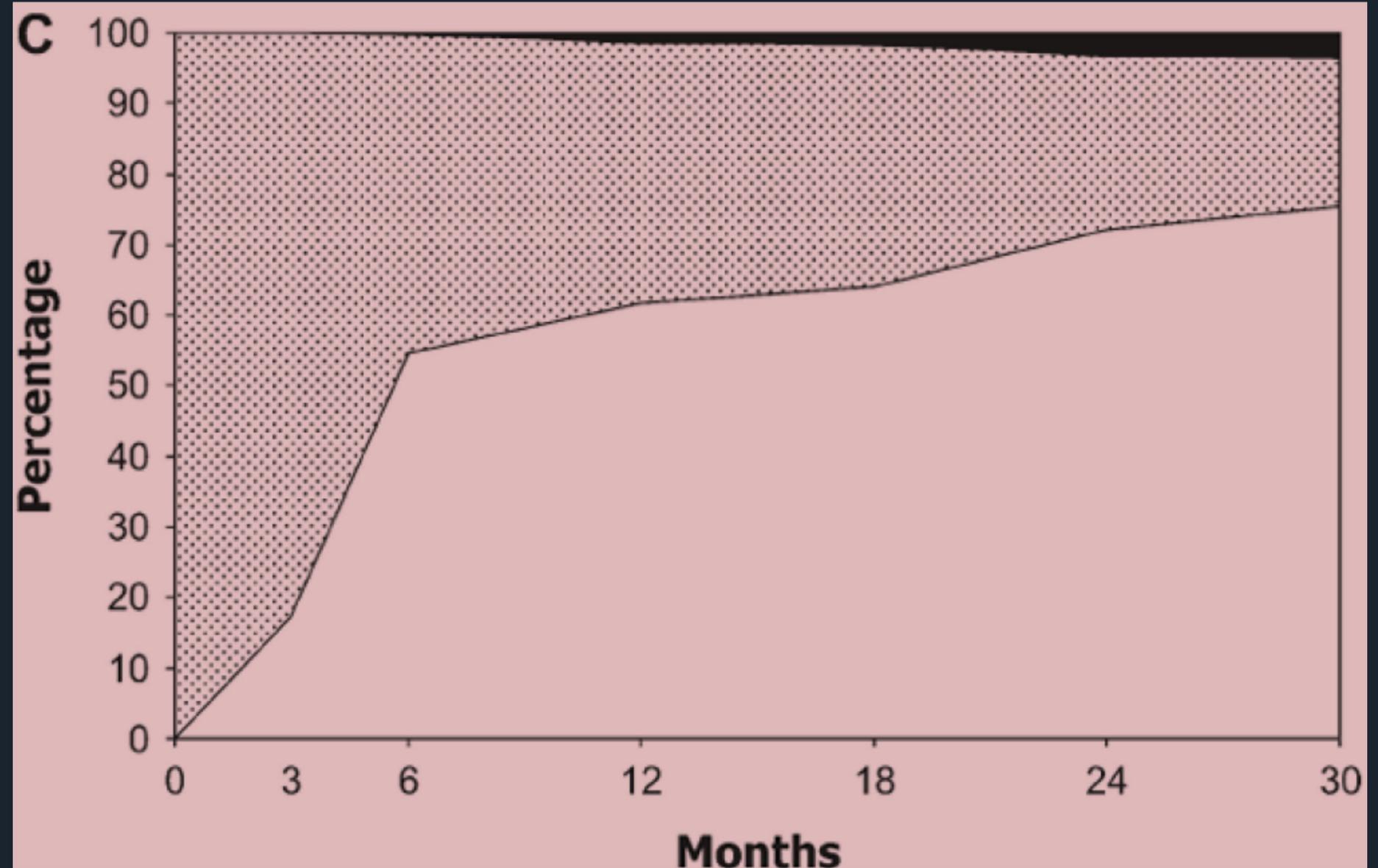
**Tüm yaşlar**



**<30 yaş**

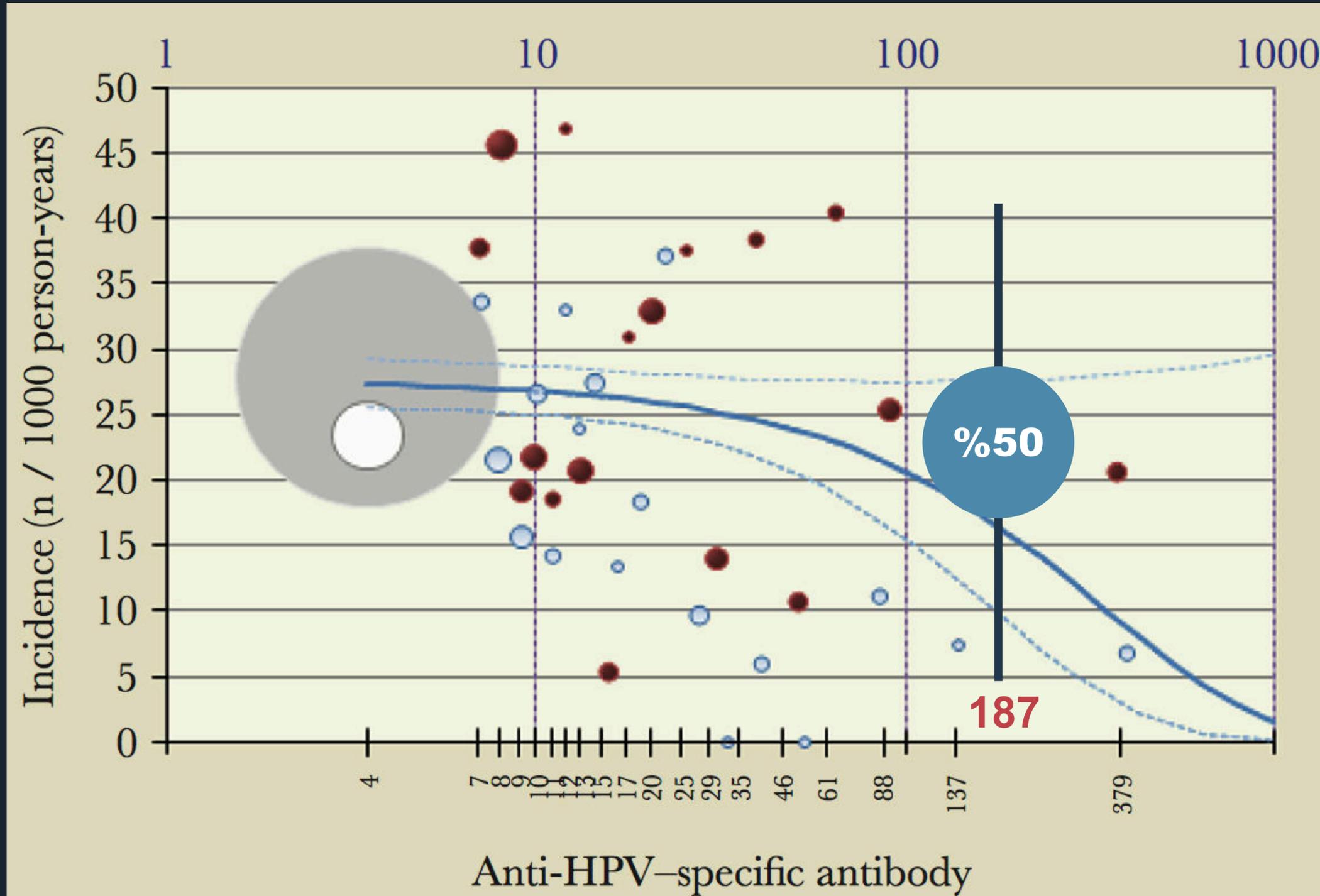


**>30 yaş**

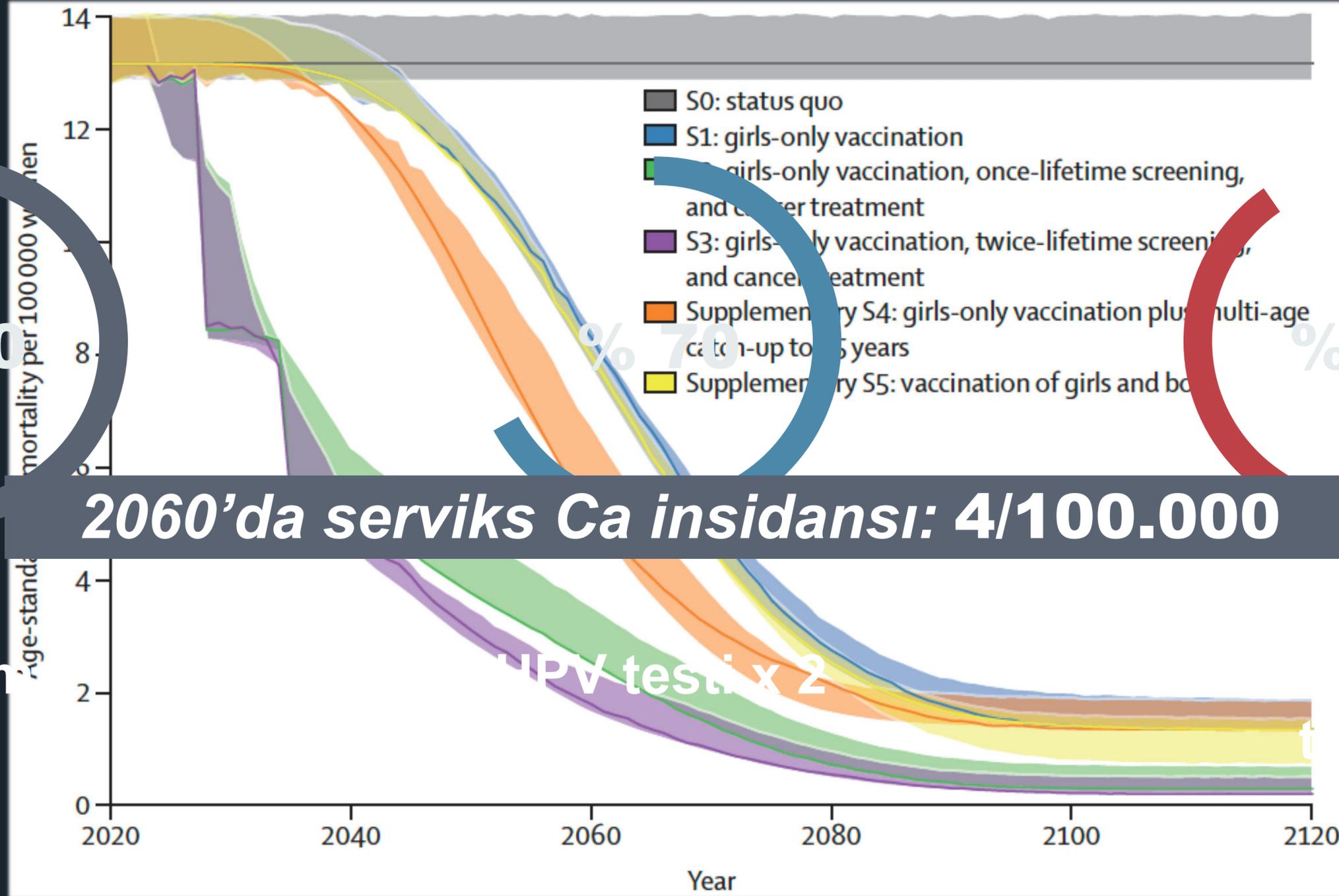


# HPV sonrası immünite

- Observed PATRICIA (seronegative, n=7336)
- Observed PATRICIA (seropositive, n=889)
- Observed CVT (seronegative, n=1906)
- Observed CVT (seropositive, n=715)



# WHO 90-70-90 Stratejisi



% 90

Aşılan

2060'da serviks Ca insidansı: 4/100.000

HPV testi x 2

% 90

kanser/kanser tedavisi

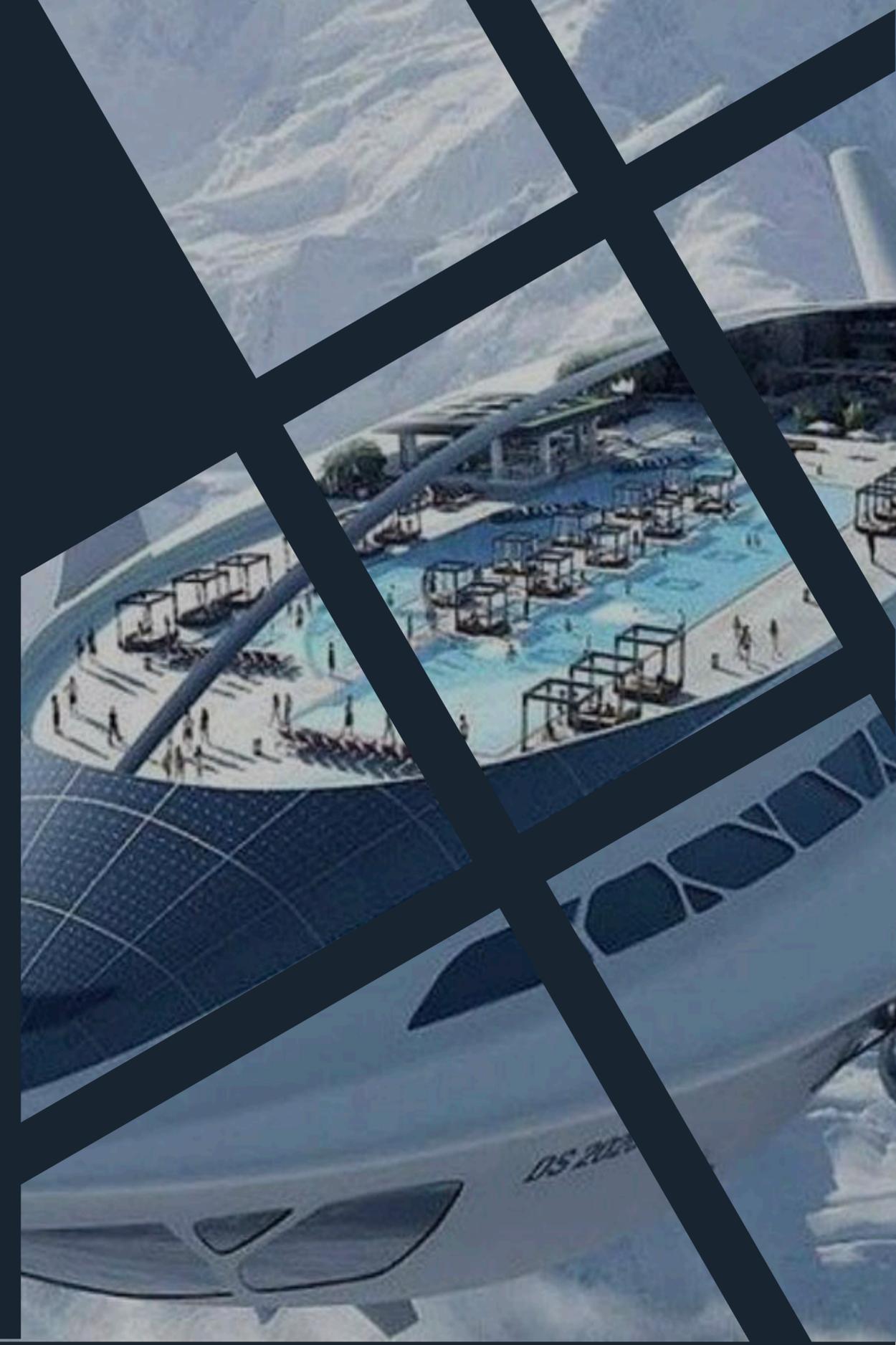
22 Studies found for: **natural history | hpv**

Also searched for **Human papilloma virus**. [See Search Details](#)

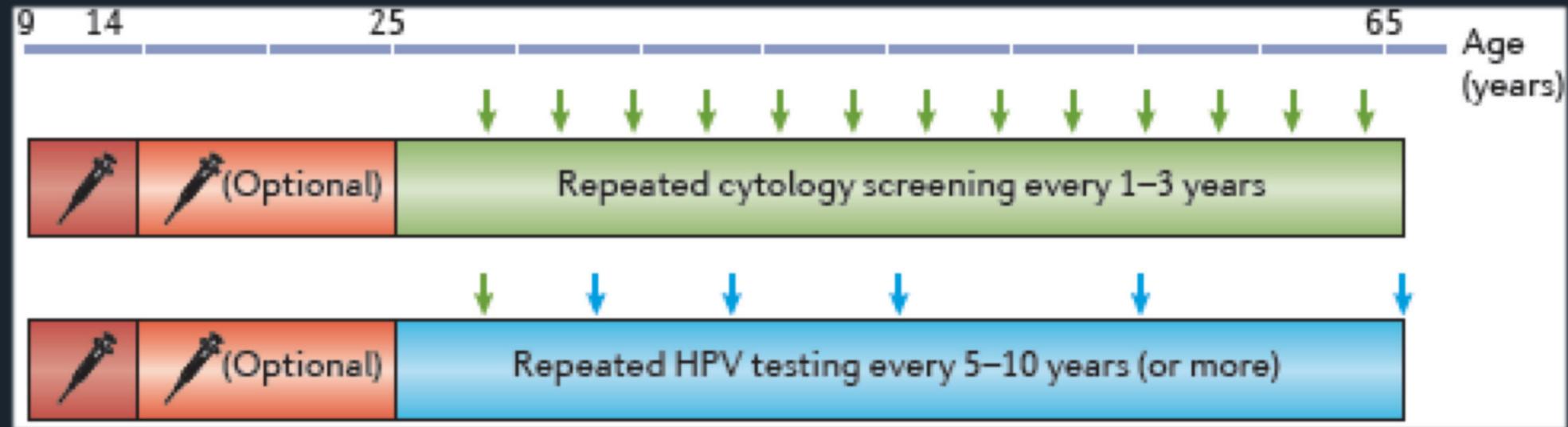
[Search Details](#)

Showing: 1-10 of **22** studies  studies per page

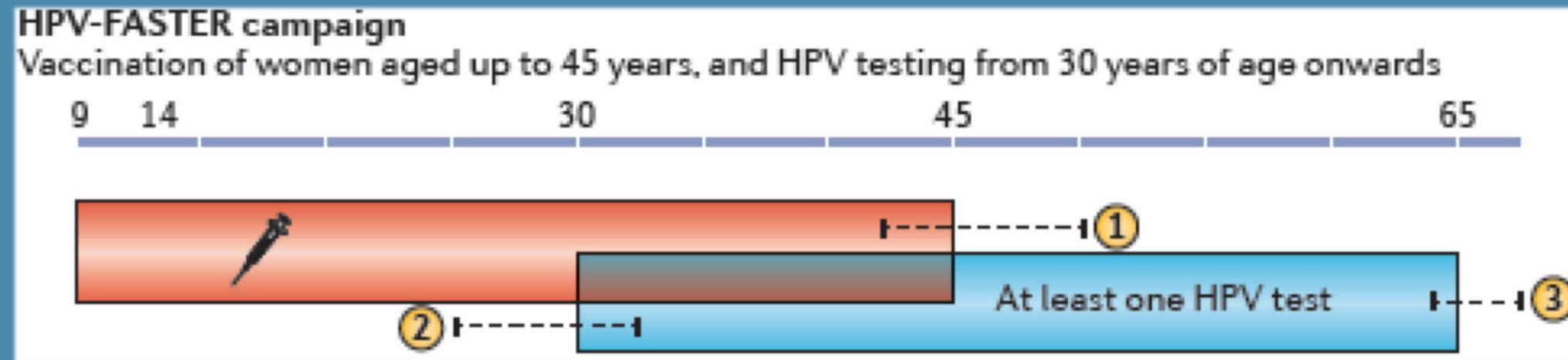
View	Saved	Status	Study Title	Conditions	Interventions
1	<input type="checkbox"/>	Active, not recruiting	<a href="#">Natural History of HPV Infection in Men: The HIM Study</a>	<ul style="list-style-type: none"> <li>Human Papillomavirus</li> </ul>	<ul style="list-style-type: none"> <li>Other: Cohort: 3000 men examined every 6 months for 4 years.</li> <li>Other: Pilot study: 150 men examined every 6 months for 4 years.</li> </ul>



# Günümüzde servikal kanser önleme stratejisi



## HPV-FASTER sonrası planlanan



# Eve Götürülecek Mesajlar

1/ Prevelans

2/ Latent enfeksiyon

3/ Persiste HPV (-)'liği

4/ Primer ve sekonder korunma



**İSTANBUL MEDENİYET ÜNİVERSİTESİ**  
**4. KADIN HASTALIKLARI VE DOĞUM GÜNLERİ**  
HPV ENFEKSİYONUNDAN SERVİKAL KANSERE  
9 Şubat 2020

Teşekkürler

Doç. Dr. İlker Kahramanoğlu  
[ilkerkahramanoglu@gmail.com](mailto:ilkerkahramanoglu@gmail.com)  
00905334746497

# Human Papillomavirus Vaccination for Adults

## Updated Recommendations of the Advisory Committee on Immunization Practices (ACIP)

Lauren D. Oshman, MD, MPH; Andrew M. Davis, MD, MPH

January 13, 2020

### MAJOR RECOMMENDATIONS

- Clinicians should use shared decision-making to offer human papillomavirus (HPV) vaccination to adults aged 27 to 45 years who have not started or completed the vaccine series based on individual risk factors and likelihood of benefit.
- All males and females through age 26 years who did not start or complete routine vaccination by age 11 to 12 years should receive catch-up vaccination.

# 16 Yıl İinde CIN 3+ Gelişme Riski

*Persistans*



30-44 yaş

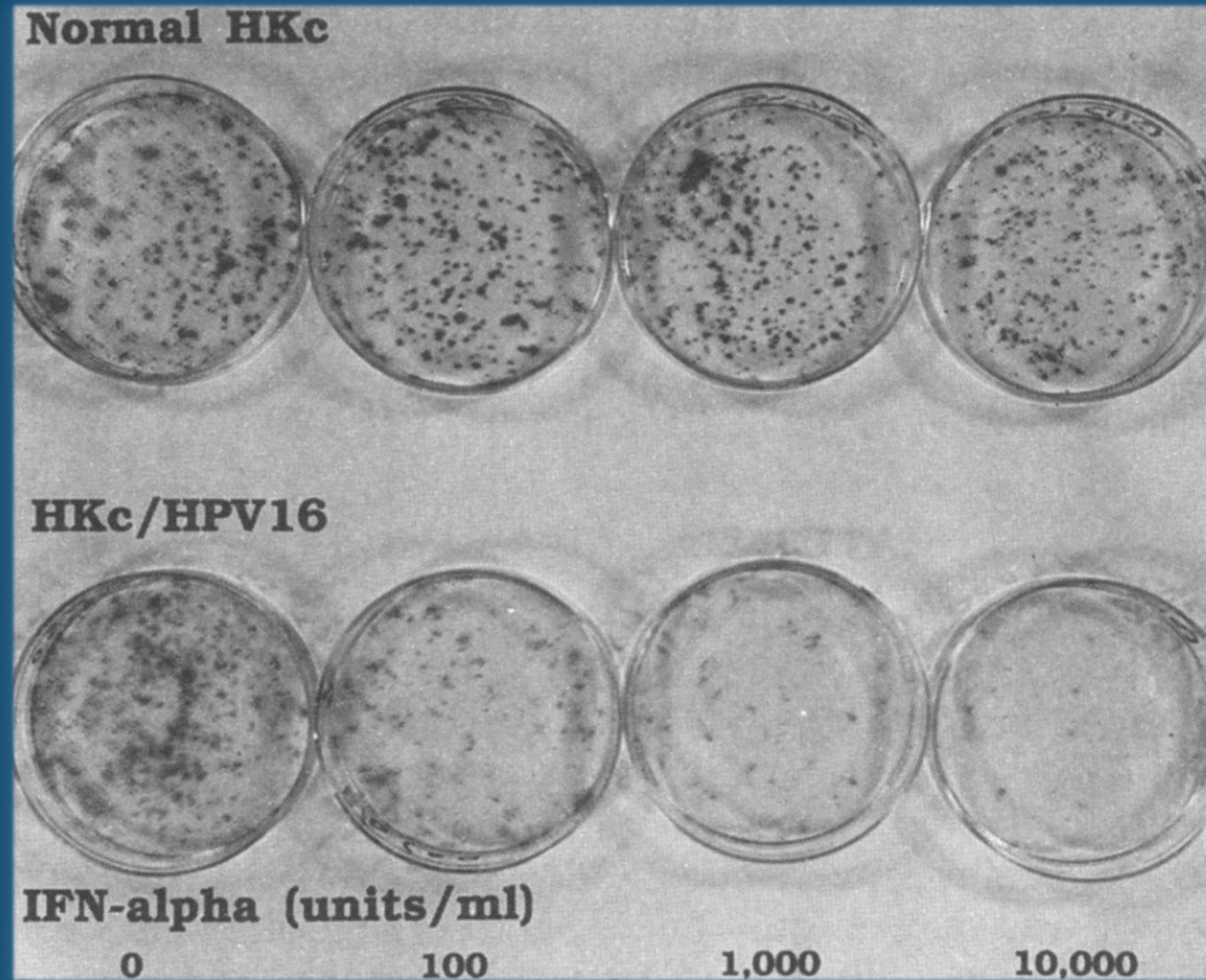


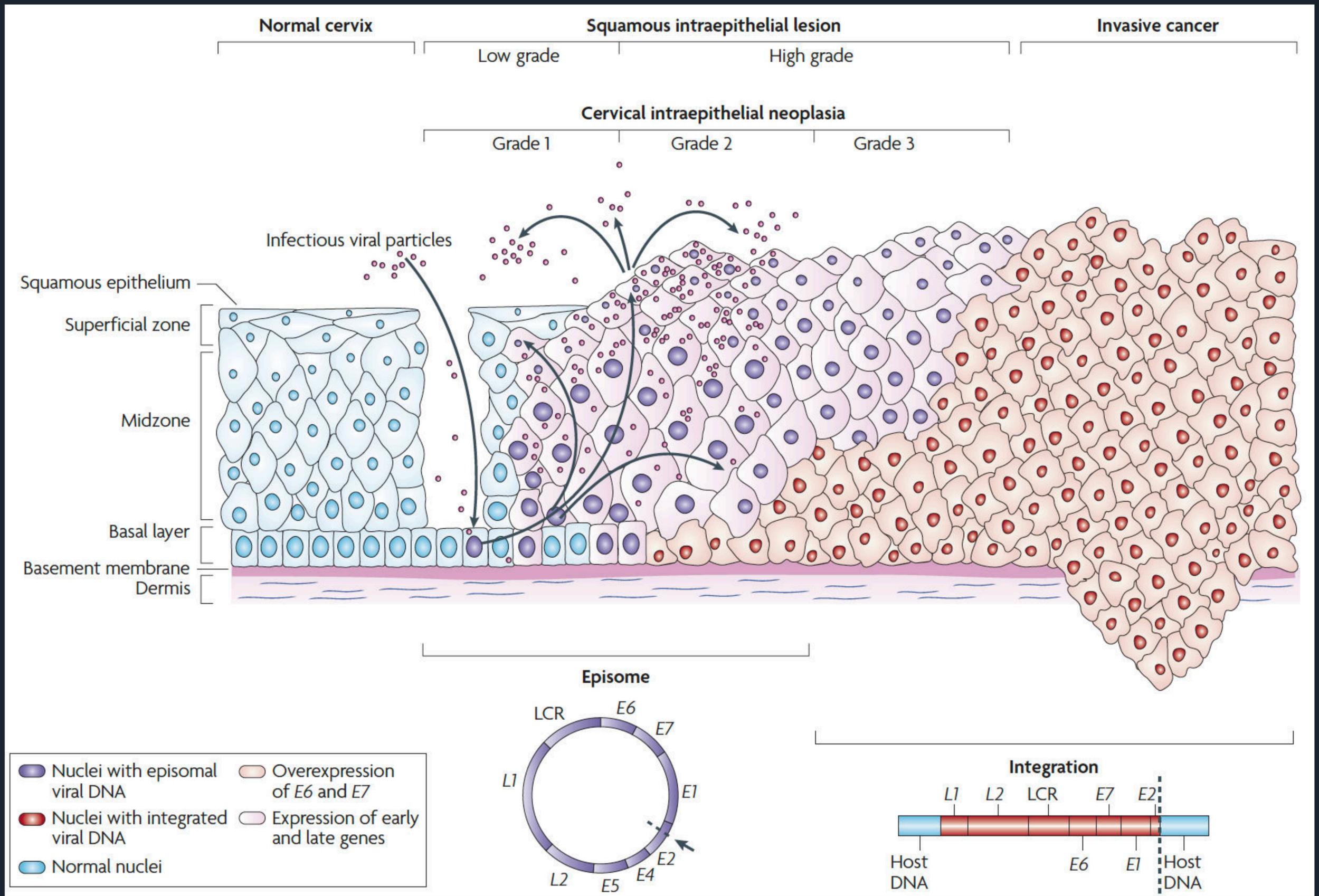
45-54 yaş



>54 yaş

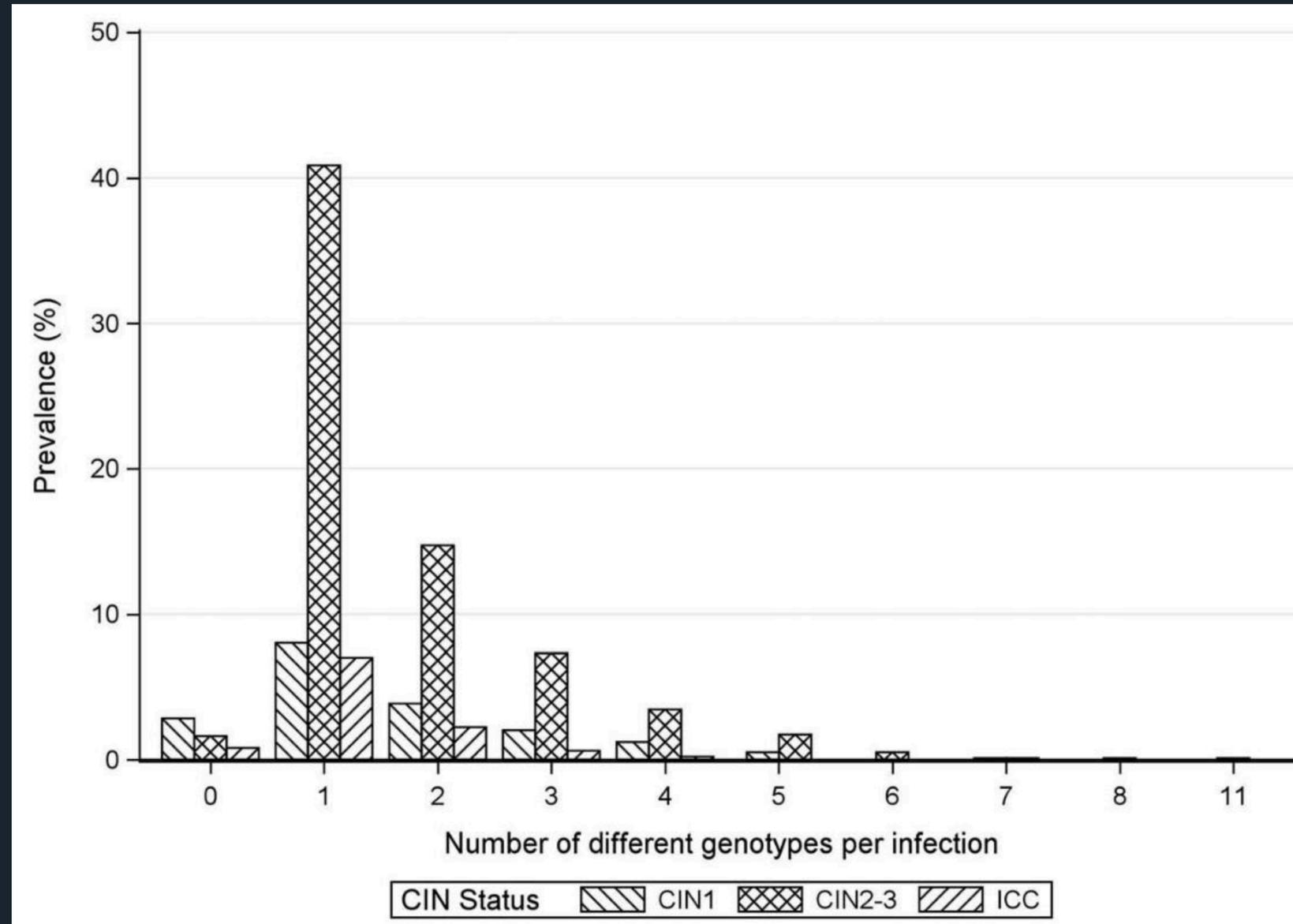
# Ölümsüzlükten Malignensiye





# Multipl HPV ile Enfeksiyon

*HPV ilişkili lezyonu olan 998 kadın*



# Cevaplanmamış Sorular

---

## Box 1. Open Questions about HPV Acute Infections

- Do some innate immunity evasion mechanisms lead to delayed clearance? [43]
- How common is immunological tolerance to HPVs?
- What role, if any, do natural B-cell responses play in clearance?
- Are there differences in immunological clearance mechanisms for different HPVs or for different infected cell types, tissue structures or anatomical sites?
- Are there long term effects after HPV infection clearance (immunological scarring)?
- How do HPV infections affect male and female fertility?
- How do HPV infection kinetics affect transmission? [112]
- Are HPVs infections structured in host tissues (the meta-population hypothesis)?
- What is the role of the microbiota in HPV infection clearance, persistence and progression to cancer? [113,114]