

Tedavinin Geleceğinde Neler Var?

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Tarihçe



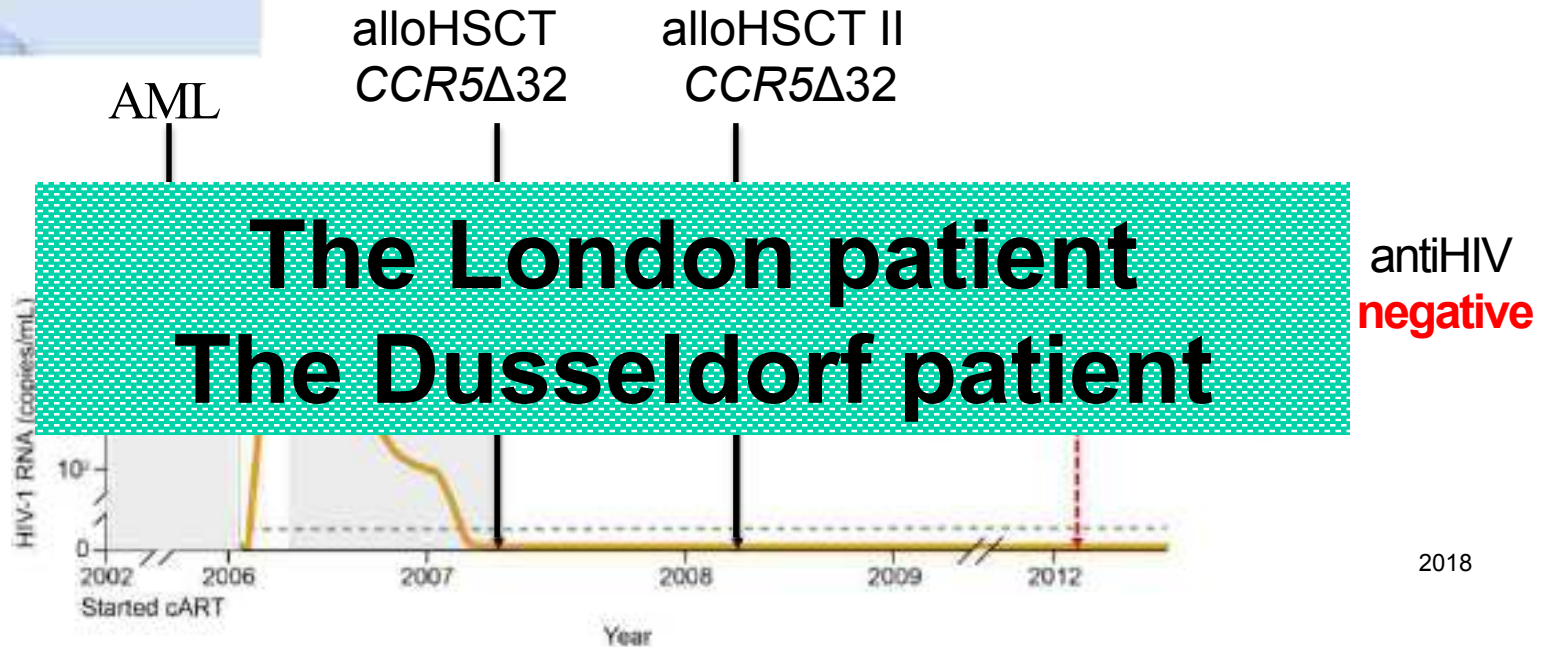
AIDS PANDEMIC

HIV can be Cured



Medical scientists dealing with my case are not really certain what actually cured me of HIV. I think it was the lack of C-C chemokine receptor type 5 (CCR5) protein in the donor stem cells, but . . . I realize I could be wrong.

—Timothy Ray Brown (1)

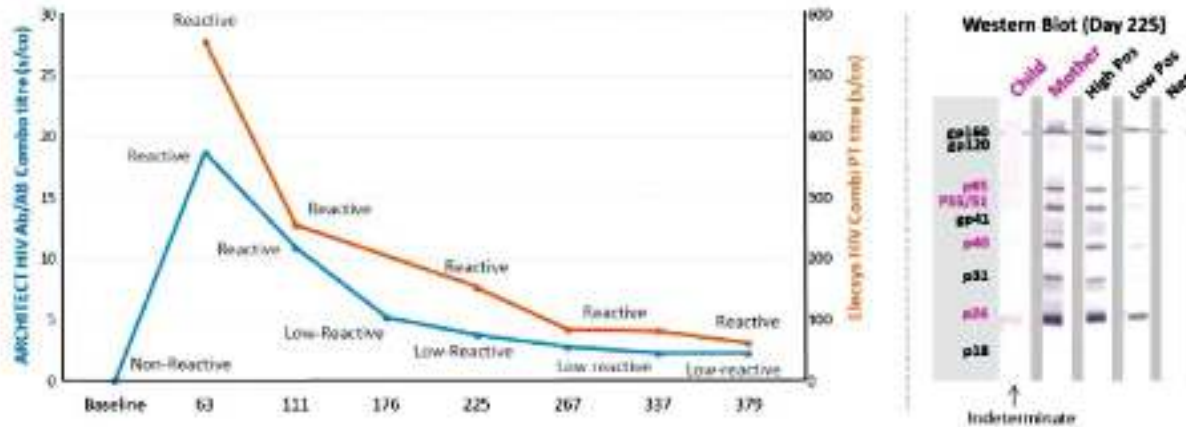


Gupta S et al 2019 *HIV-1 remission following CCR5 Δ 32/ Δ 32 haematopoietic stem-cell transplantation* Nature, March 5th

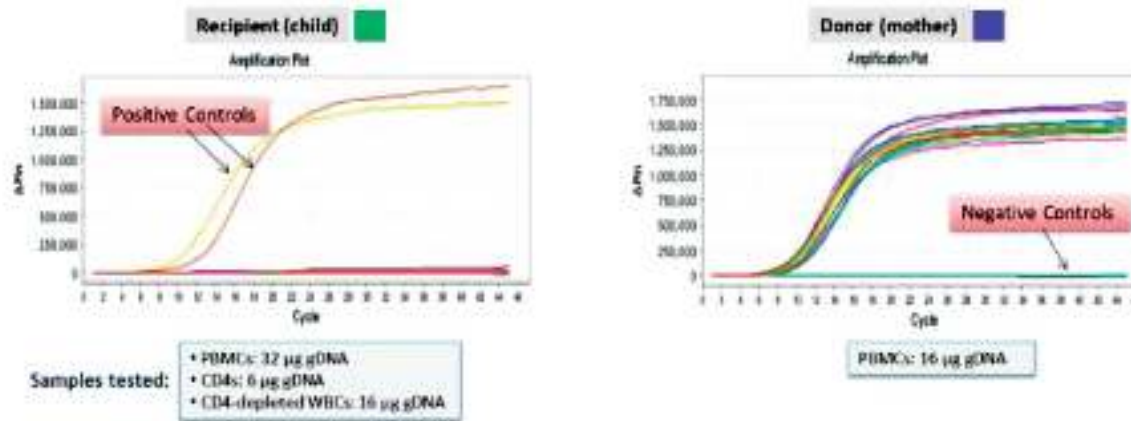
O. Jensen BE et al 2019 *Analytic treatment interruption after allogeneic CCR5-D32 HSCT for AML in 2013* CROI, Seattle March 3-7, #394

Aydınlık Bir Gelecek İçin Umut

(a) HIV-1 antibody/antigen detection by diagnostic immunoassays



HIV-1 DNA amplification by ultrasensitive nested PCR (Day 225)



Botha J et al 2018 *Living donor liver transplant from an HIV-positive mother to her HIV-negative child: opening up new therapeutic options* AIDS

Aydınlık Bir Gelecek İçin Umut 2

Annals of Internal Medicine

ORIGINAL RESEARCH

A Possible Sterilizing Cure of HIV-1 Infection Without Stem Cell Transplantation

Gabriela Turk, PhD*; Kyra Seiger, BSc*; Xiaodong Lian, PhD; Weiwei Sun, PhD; Elizabeth M. Parsons, BSc; Ce Gao, PhD; Yelizaveta Rassadkina, BSc; Maria Laura Polo, PhD; Alejandro Czernikier, MSc; Yanina Ghiglione, PhD; Alejandra Vellicce, MD; Joseph Varriale, MSc; Jun Lai, MSc; Yuko Yuki, DDM; Maureen Martin, MD; Ajantha Rhodes, BSc; Sharon R. Lewin, PhD; Bruce D. Walker, MD; Mary Carrington, PhD; Robert Siliciano, MD; Janet Siliciano, PhD; Mathias Lichterfeld, MD, PhD†; Natalia Laufer, MD, PhD†; and Xu G. Yu, MD, MSc†

Table. HIV-1 Reservoir Profiling Assays Performed on Cells From the Esperanza Patient

Assay	Cells, <i>n</i>	Cell Type	Intact Proviruses, <i>n</i>	Defective Proviruses, <i>n</i>	Replication-Competent Proviruses, <i>n</i>
Near-full-length individual proviral sequencing assay	1.188 billion	Peripheral blood mononuclear cells	0	7	-
Near-full-length individual proviral sequencing assay	503 million	Isolated mononuclear cells from placenta	0	0	-
Viral outgrowth assay	150 million	Resting CD4 ⁺ T cells	-	-	0

Sizce,

- Yeni ilaçlar
- Yeni yaklaşım
- İkisi de



The
New England
Journal of Medicine

VOLUME 373

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NUMBER 23

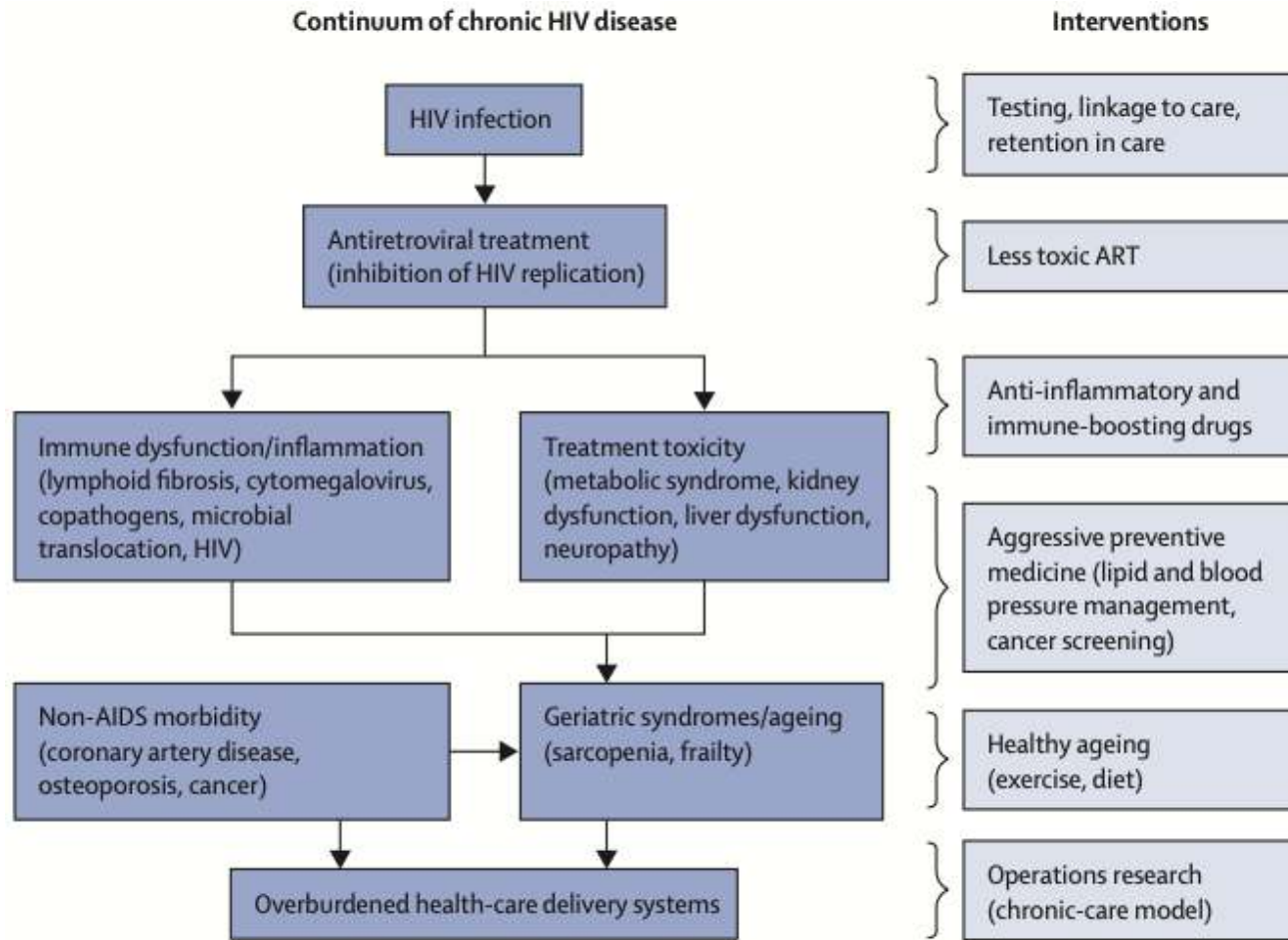
Ending the HIV-AIDS Pandemic — Follow the Science

AS Fauci & HD Marston

*“...The science has spoken. There can now be
no excuse for inaction.”*



Yeni Bir Sistem Gerek



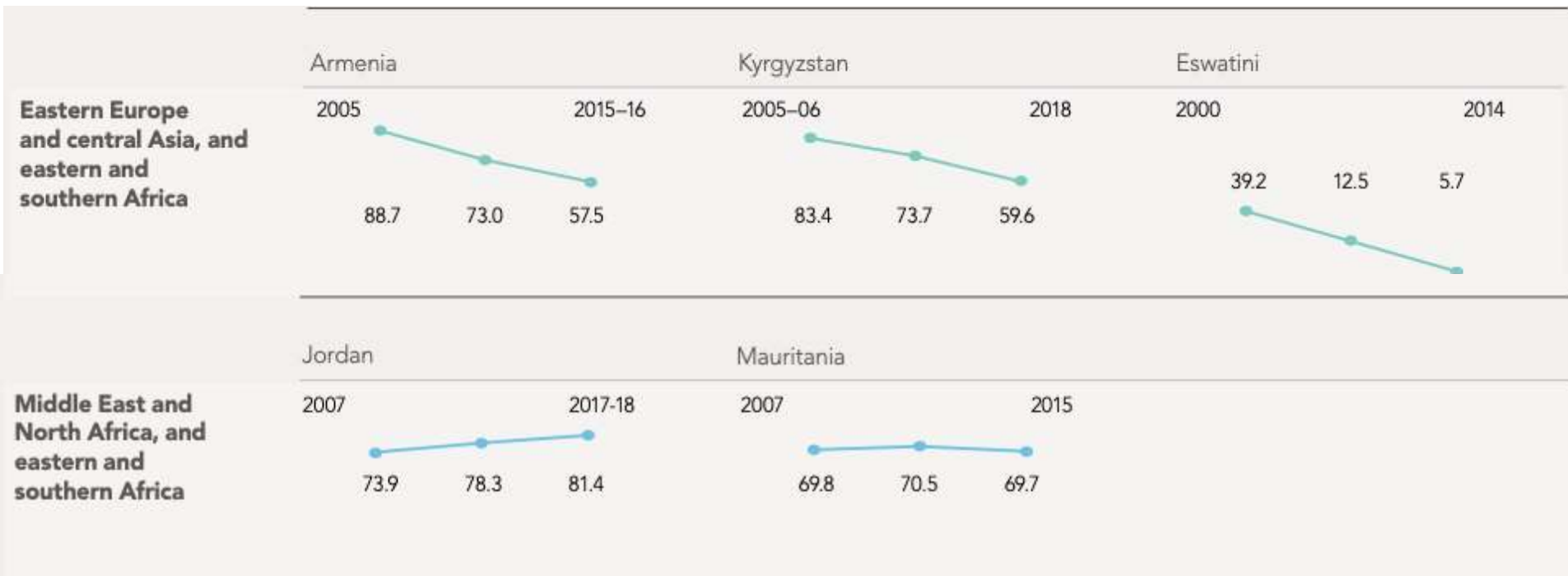
Omuz Omuza



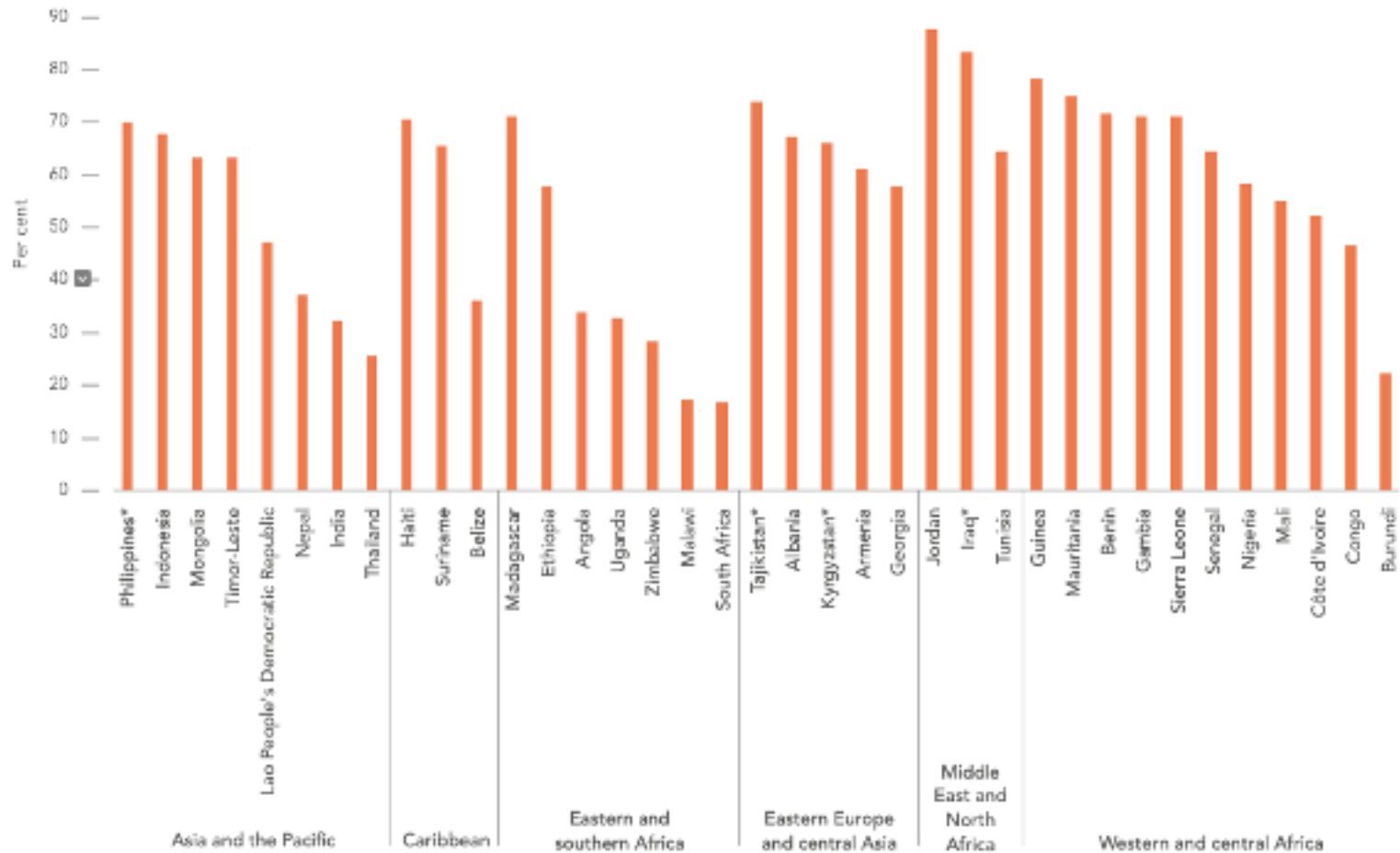
MARINE CORPS LOYALTY

NEVER LEAVE A WOUNDED BUDDY
LOYALTY TO DEPEND ON

Ayrımcılık: PLWH Manavdan Sebze Alır mısınız?



Ayrımcılık



HIV'le M¼cadelede Kazanılan Bařarılar

- Viroloji
- Epidemioloji
- Tanı
- Doğal Seyir
- Patogenez
- Aşı
- Tedavi
- Önleme
- Implementation

Bizi Bekleyen Sorunlar

- ART alan PLWH sayısı az
 - Test
 - Danışmanlık
 - (Akran) Destek
- Anahtar grupları içermiyor
 - Suçlayıcı & damgalayıcı çevre
 - Ayrımcılık korkusu
 - Cezalandırıcı yasalar



**LEAVE NO
ONE BEHIND**



Zero Tolerance to Discrimination



 **WORLD AIDS DAY**
1 DECEMBER 2017

EVERYBODY COUNTS

Universal Health Coverage in HIV means:

- leaving no one behind
- integrated care for HIV, TB, hepatitis and broader health
- access to good quality services
- affordable and long-term care for people living with HIV
- building stronger HIV response for stronger health systems

[#everybodycounts](#) [#myrighttohealth](#)

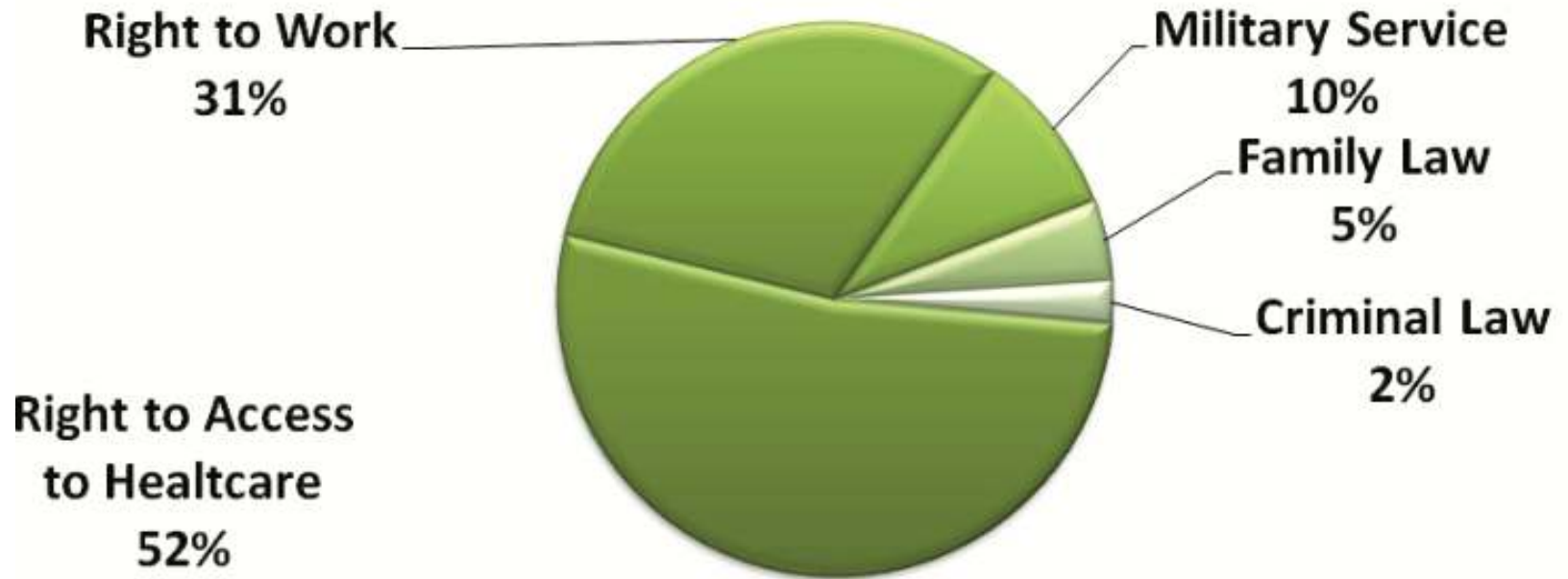


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What PLWH Want? Wording is Fundamental!

- **HIV infected** – Person/people living with HIV
- **HIV positive** – Person/people living with HIV
- **HIV virus** – Actually it is HIV
- **AIDS test** – HIV test
- **Zero new infections** – Zero new acquisitions
- **Prostitute** – Sex worker
- **Become infected** – Acquired, contracted, diagnosed
with

PLWH Haklarının Elinden Alınması 2020, n=42



PLWH Haklarının Elinden Alınması 2020, n=42



Cezalandırıcı Yaklaşımlar

■ Son 12 ayda %25

- 18-29 yaş arası %34
- Transgender kişilerde %41
- Persons of gay %25
- Biseksüel %31
- Diğer Yönelim %40
- Sabit hekimi olmayan %39
- Yoksulluk %28
- Evsiz %39
- Tevkif Edilme %37

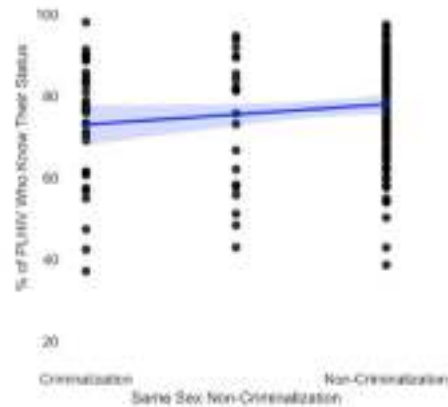
■ More likely

- Missed visits & medication.

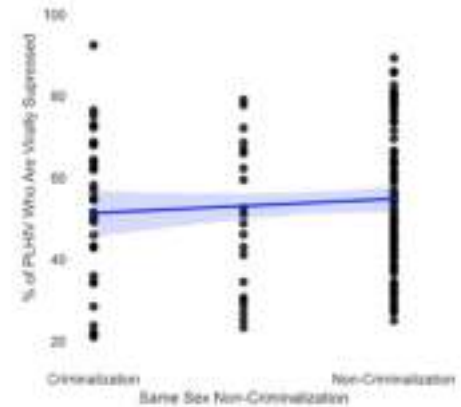
Criminalization: Barrier in the Care of PLWH

Same Sex Non-Criminalization

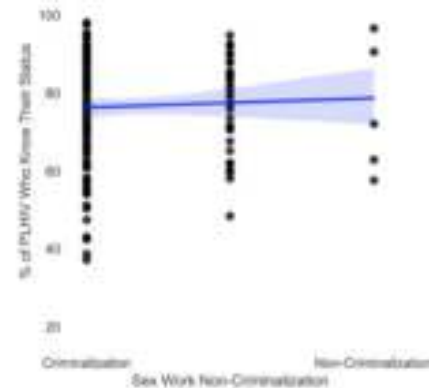
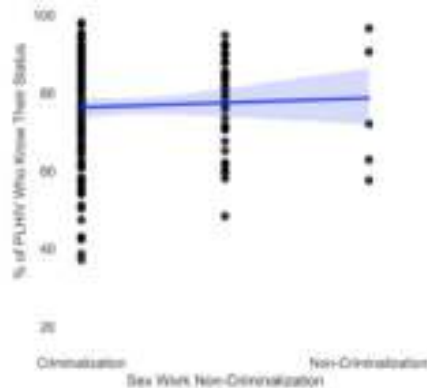
% of all PLHIV who know their status



% of PLHIV with suppressed viral load



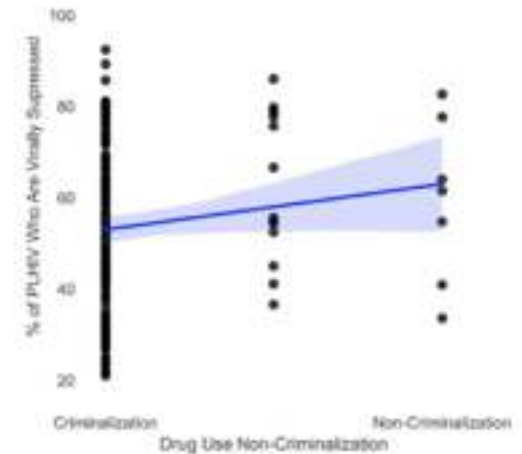
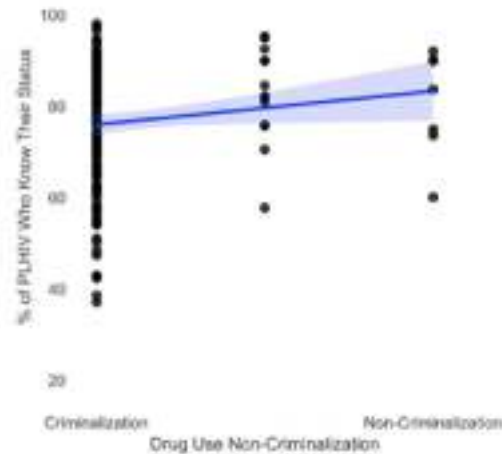
Sex Work Non-Criminalization



Kavanagh M et al 2021 *Law, criminalisation and HIV in the world: have countries that criminalise achieved more or less successful pandemic response?* BMJ Glob Health

Criminalization: Barrier in the Care of PLWH

Drug Use Non-Criminalization



Kavanagh M et al 2021 *Law, criminalisation and HIV in the world: have countries that criminalise achieved more or less successful pandemic response?* BMJ Glob Health

Zero Tolerance to Discrimination



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**EVERYBODY
COUNTS**

Universal Health Coverage in HIV means
leaving no one behind
[#everybodycounts](#) [#myrighttohealth](#)

Tam İyilik Hali İçin HIV RNA=0 Yetmez!

- Sağlık tam bir iyilik halidir
- ART şart ama yeterli değil
- Komorbiditelerin etkin yönetimi
- Sosyal destek
- Zihinsel iyilik
- Seksüel doyum

Sağlık Hizmeti Veren-Müşteri İletişimi Zorunlu

■ 1/3 PLWH U=U konusunda bilgilendirilmemiş

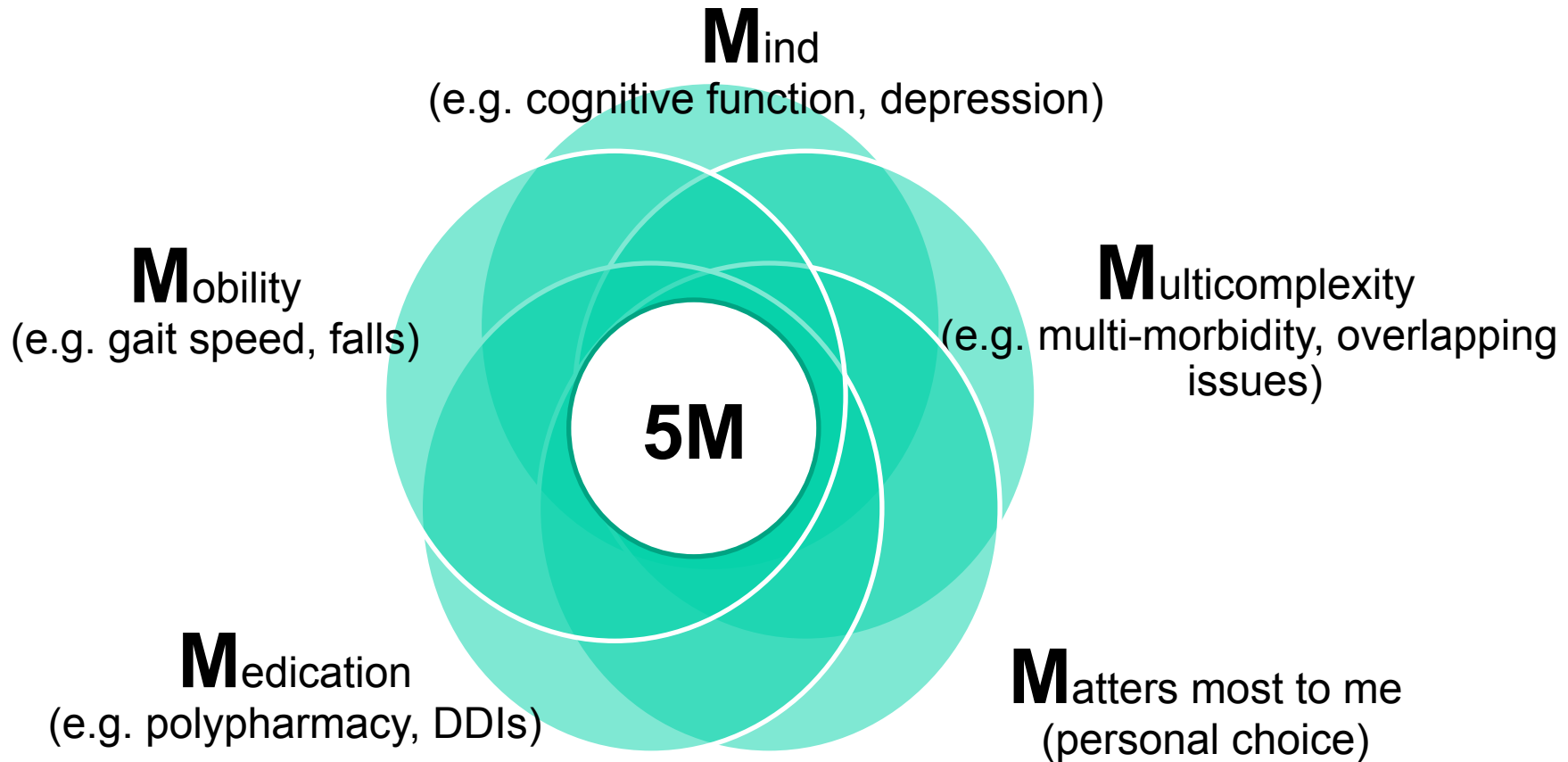
Sometimes, we do not tell them that their chances of infecting others is minimal because some will get loose

Calabrese SK et al 2021 Prioritising pleasure and correcting misinformation in the era of U=U
Lancet HIV

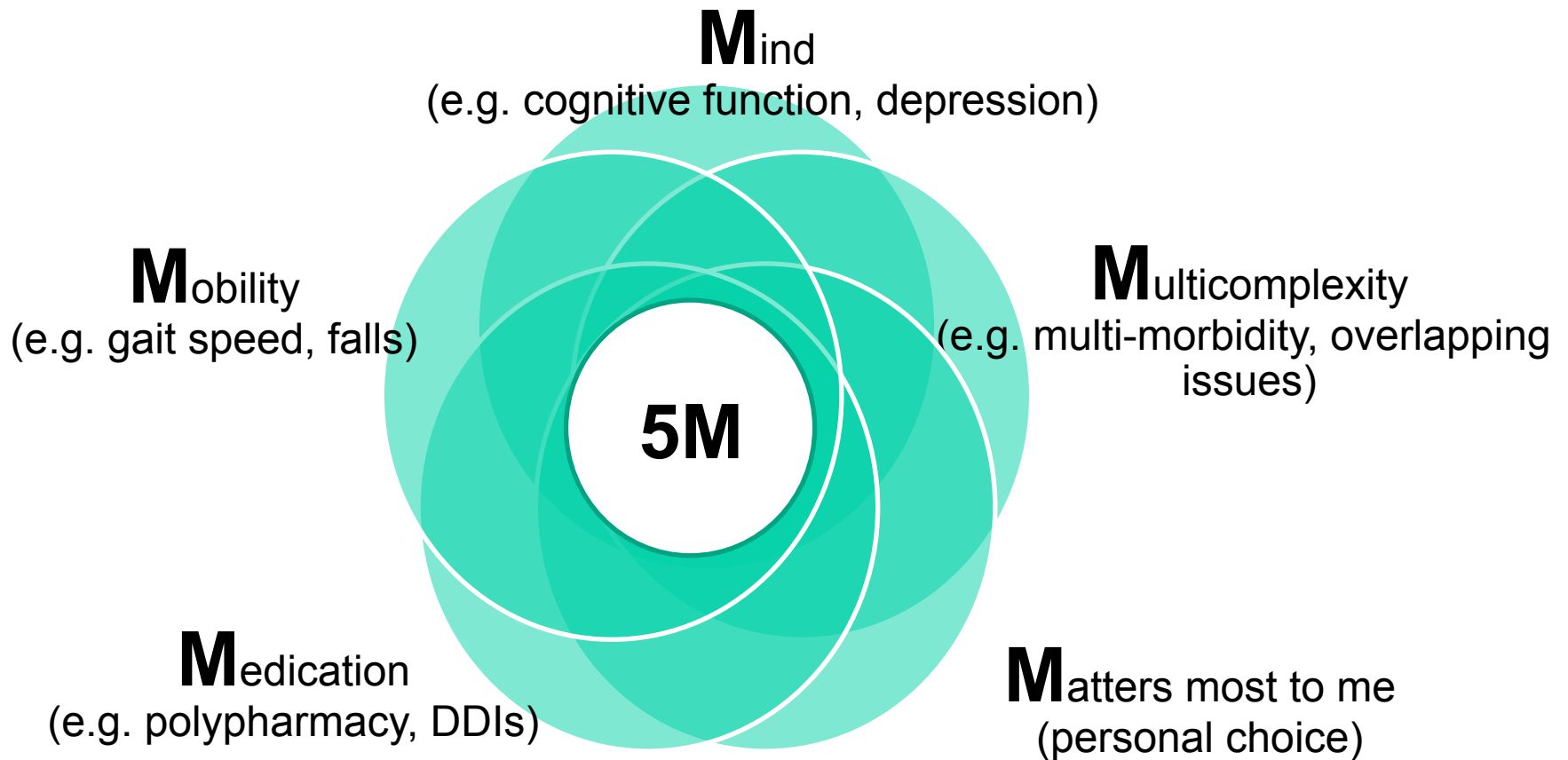
Ngure K et al 2021 *"I just believe there is a risk" understanding of undetectable equals untransmissible (U=U) among health providers and HIV-negative partners in serodiscordant relationships in Kenya. J Int AIDS Soc*



Geriatric PLWH Takibi



PLWH Takibi Yaklaşım



Multidiscipliner-Multitask Takım

Model Type	Overall Description	Institution Name	Location
Model 1: Outpatient referral/consultation	Referral to a geriatrician for recommendations to enhance a patient's care plan; HIV provider remains as primary provider	Positive Aging Consultation, University of Colorado	Aurora, Colorado
Model 2: Combined HIV/geriatric multidisciplinary clinic	A multidisciplinary team is incorporated into existing HIV/infectious disease clinics to provide a comprehensive assessment and evaluation of each patient; primary care providers are provided with full evaluation and recommendations from the multidisciplinary team	The THRIVE Program Comprehensive HIV and Aging Initiative of the Chronic Viral Illness Service, McGill University Hospital Center Chelsea and Westminster Hospital [11] Silver Clinic [12] Golden Compass Program, University of California; San Francisco/Zuckerberg San Francisco General Hospital [14, 16] Center for Special Studies, New York Presbyterian/Weill Cornell Medical Center [13, 15]	Baltimore, Maryland Montreal, Quebec, Canada London, United Kingdom Brighton, United Kingdom San Francisco, California New York City, New York
Model 3: Dually trained providers	An HIV provider with an invested interest in geriatric care performs assessments and provides recommendations Dually boarded provider: a single provider with both geriatric and HIV expertise in 1 clinical home	Age Positively Program, Massachusetts General Hospital Penn Community Practice and Penn Geriatrics, University of Pennsylvania Medical Center	Boston, Massachusetts Philadelphia, Pennsylvania

Özet

- ART'nin ferihstahi gelse;
 - Bu damgala(n)mayla bu iŖ bitmez
 - Kapsayıcı olmayan sistemler sorunu çözümez
- KarŖımızdaki insandır
 - Kulak vermek;
 - Hassasiyetlerine saygı göstermek gerek