



Georgia Department of Public Health

HIV Adherence & Resistance to Medications

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November 19, 2014



We Protect Lives.

Disclosure

I have **no** vested interests that relate to this presentation

Nor do I have any relationships with;

pharmaceutical companies

biomedical device manufacturers

and/or other corporations

Whose products or services are related to
pertinent therapeutic areas

Learning Objectives

Discuss Perceived and Actual Barriers to Care/Adherence

Challenges in care within healthcare systems

Barriers to receive, engage, and retain individuals in care

Guidelines

Optimal ARV regimen for treatment-naive
2 NRTIs + a drug from one of 3 drug classes:
NNRTI, boosted PI, or an INSTI

cognizant of interpreting statements

requires use of ARV regimens with at **least 2**,

preferably 3, active drugs from 2 or more drug classes

patients should receive 3 active drugs from 2 or more classes

multiple studies:

- dual therapy does not offer long-term HIV viral suppression
- all of the recommended regimens in the guidelines
- contain 3 medications from at least 2 classes of HIV medications
- do not recommend mono or dual therapy

Treatment Interruptions

Stopping Meds for a short time (<1 to 2 days)
medical/surgical procedures

Stopping medications for > 2 days

can place the client at risk for developing resistance

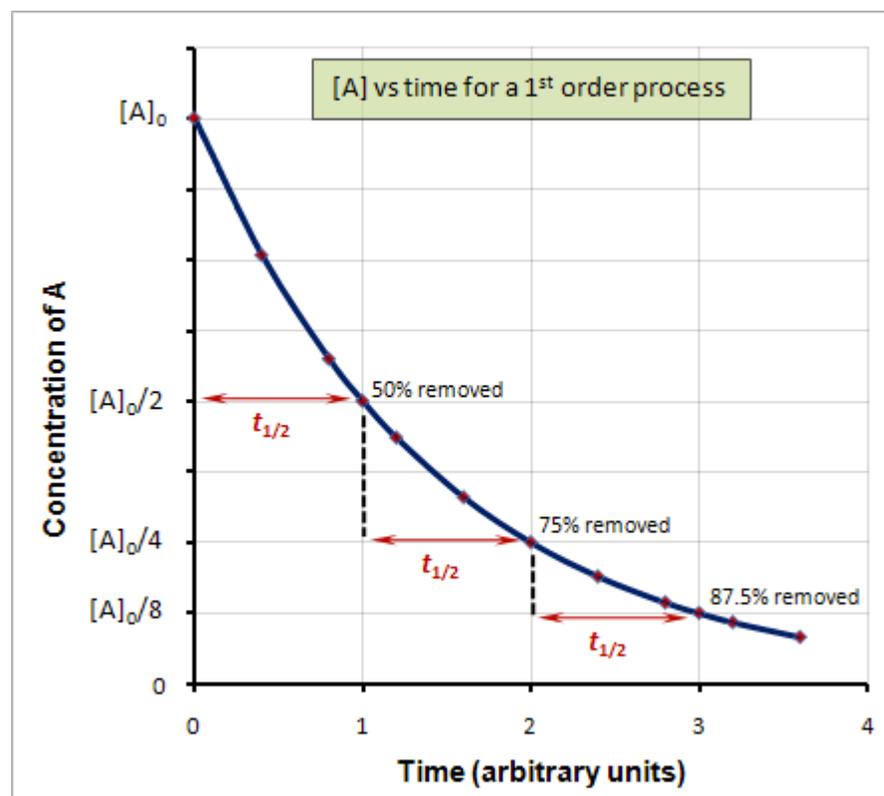
each component is metabolized at a different rate

stopping all drugs simultaneously

- may result in functional monotherapy

Half-Life

Handout Page 3



Additional Issues

ct adherence is key:

sustained HIV suppression

reduced risk of drug resistance

improved overall health

quality of life, and survival

decreased risk of transmission

critical determinant of long-term outcome

- Poor adherence:

- major cause of therapeutic failure

- Skipping medications

- easier for drug resistance

- limiting treatment options

- increased risk of transmission

- increased rate of hospitalization

- longer hospital stays

Challenges, Needs and Resources

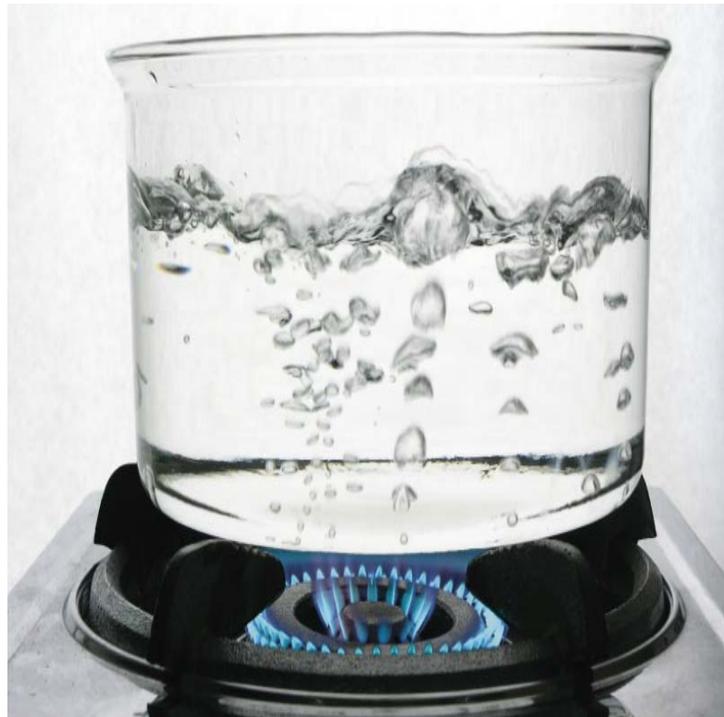
Internal and External Barriers

Education

Case Management

Delivering Standard of Care

Resources & Community Partners



Education

Stigma & Discrimination

Denial, fear, low self-esteem

Misinformation / Mixed

family, friends, church
providers, work, media

Lack of trust of the system

Legal issues

Title 16-5-60

- Hawthorne Effect
- STDs & safe sex
- Pharmacy issues
 - Understanding medications
 - Refilling medications
- Clinic policies
 - Calling for appropriate medical issues
 - Avoiding refilling ART i.e. ER
- Knowing one's health
 - CD4 / viral load

Case Management

Life 101"

Unstructured lifestyle

Lack of disclosure

Lack of support

Family, friends, church
Providers, work, media

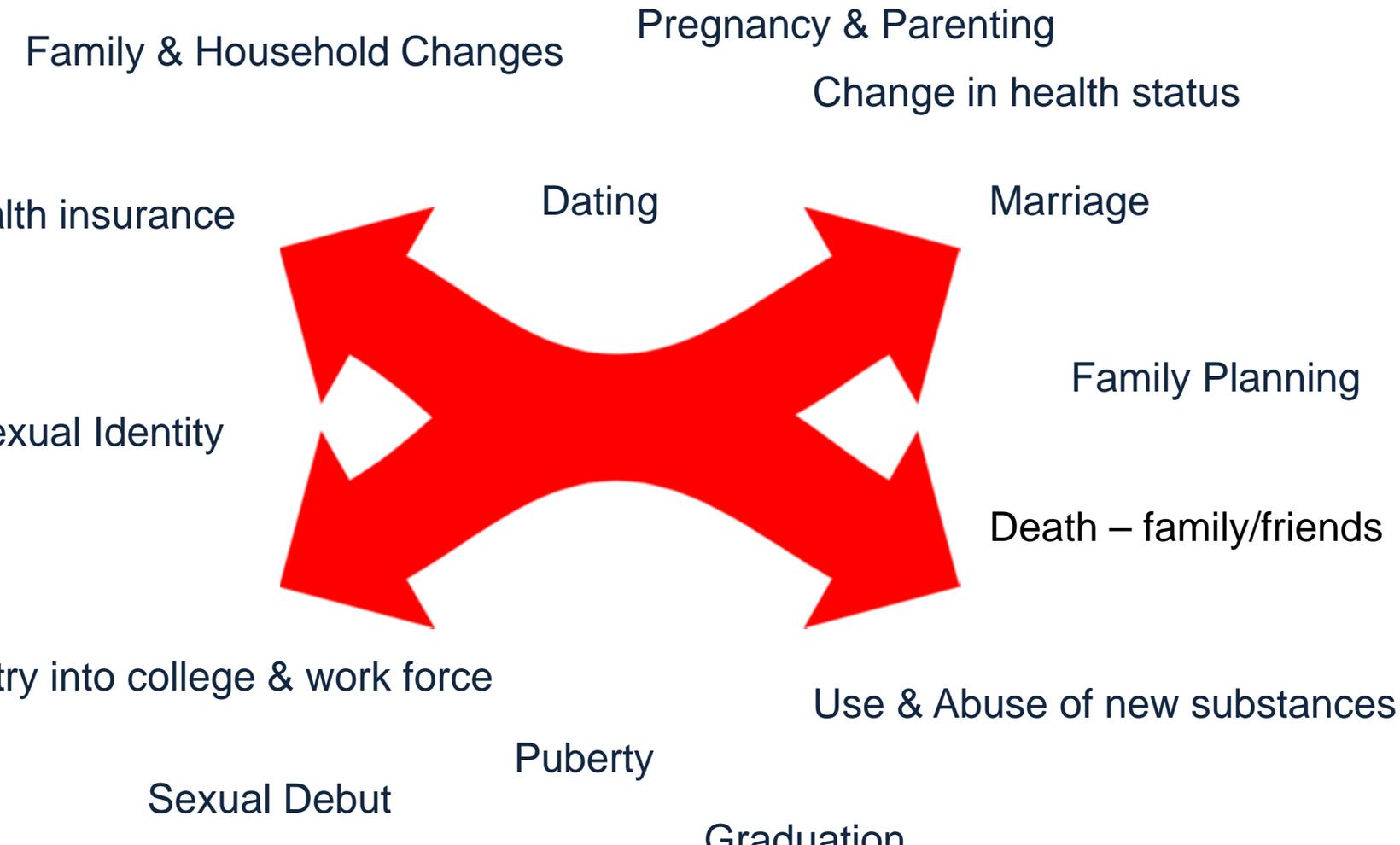
Lack of entitlements/insurance

Inconsistent access to care

Incarceration

- Transportation
- Housing
- Daily necessities
- Inaccessible clinics
 - Hours of operation
 - Travel for specialist
- Substance use & abuse
- Disbanding myths

Transition Spots in Life



Delivering Standard of Care

Cultural competency

Gender issues

Prostitution / Parthenon house

Sex education: mixed messages

family, friends, church

providers, work, media

Co-morbidities

Mental health

Discuss alternative care

Avoiding hydrogen peroxide

- Improving communication
 - Provider & client
 - Provider & provider
- Keeping abreast of guidelines
- Avoid filling other provider meds
- PEP
- PrEP
- Treatment as prevention
- TeleHealth

Resources & Community Partners

PUS

Health Inform Exchange

Source HUB

igent Care Clinics

ing

ention

Clients & Staff

ectronic Health Records

Can be a barrier

o announcements

NO HIV CARE

- www.panfoundation.org
- www.panfoundation.org/hiv-aids
- health.state.ga.us/programs/stdhiv/adap.asp
- www.rxassist.org
- www.needymeds.org
- www.goodrx.com
- www.rxoutreach.org
- www.publix.com/pharmacy/free-e-medications.do

Georgia DPH Resource HUB



ONE PLACE TO FIND HIV CARE

ga capus.com
Care and Prevention

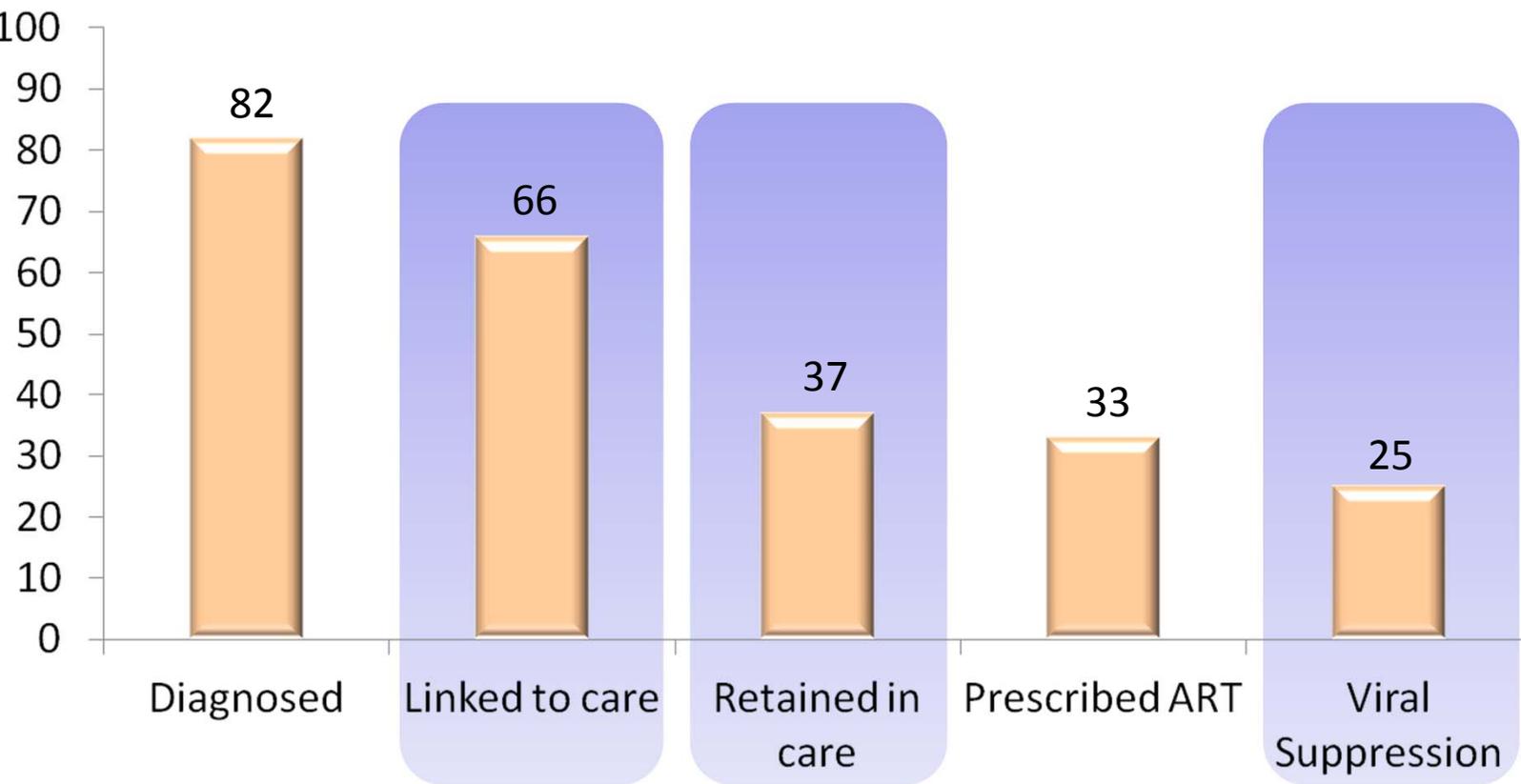
1-800-551-2728

Eligibility HIV Testing
Resources Medical

The advertisement features a blue header with the text 'ONE PLACE TO FIND HIV CARE'. Below this is the logo for 'ga capus.com' with the tagline 'Care and Prevention'. A large red ribbon is superimposed over a map of Georgia. At the bottom, there are four colored buttons: 'Eligibility' (red), 'HIV Testing' (orange), 'Resources' (pink), and 'Medical' (blue). The background of the bottom half shows two men, one in a suit and one in a green polo shirt, looking at a device together.

<https://www.gacapus.com/p/>

Persons with HIV Engaged in Selected Stages of the Continuum of Care, United States



Hall et al. XIX International AIDS Conference, 2012
ART, antiretroviral therapy

Cases

me Now – Some Later

- Shipping delay: “no big deal”

Call: Wrong Med

- ER: “Just Fill It”

ong Dr. – Wrong Orders

- Pregnant: 5 is better than 3

ong Dose – Wrong Dr.

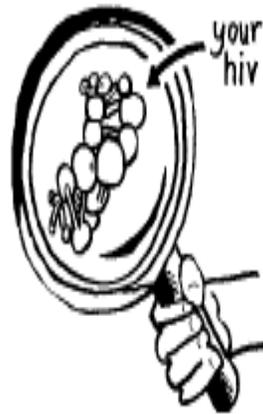
- Who knows who wrote for that

Virtual Genotype/Phenotype

Handout page 4

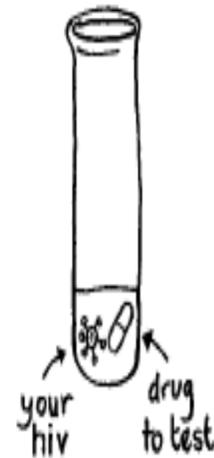
1. genotype

Genotype tests look to see how the structure of a sample of your HIV may have changed.



2. phenotype

Phenotype tests see whether HIV drugs still work to control your type of HIV.



Thank you

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African Proverb

If you want to go quickly

Go Alone

If you want to go further

Go Together

