

Engaging PLWH with Complex Needs with Team Based Care: The CARES model

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Disclosures

Presenter(s) has no financial interest to disclose.

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Learning Objectives

At the conclusion of this activity, the participant will be able to:

1. Recognize the unique challenges experienced by different subpopulations of people living with HIV.
2. Identify interventions that may be effective in addressing barriers to ART adherence and retention in care for these patients with complex needs
3. Discuss steps to implement integrated team-based care programs and discuss barriers to their implementation

Obtaining CME/CE Credit

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Background

- People living with HIV with active substance use has been linked to significant poor HIV clinical outcomes¹
- Severe mental illness (SMI) also linked to virologic failure², treatment interruptions/discontinuation³, death⁴
- Large multicenter RCT of patient navigation with or without financial incentives did NOT improve viral suppression or prevent death⁵
- Substance use and mental health treatment availability limited in many settings

Grady Infectious Disease Program (IDP)



341 Ponce de Leon Ave, Atlanta, GA 30308

Grady IDP Mission

To provide a comprehensive continuum of ambulatory outpatient healthcare and related services to maximize quality of life for men, women and children living with HIV/AIDS in our community in a consumer-focused environment.

Eligibility criteria

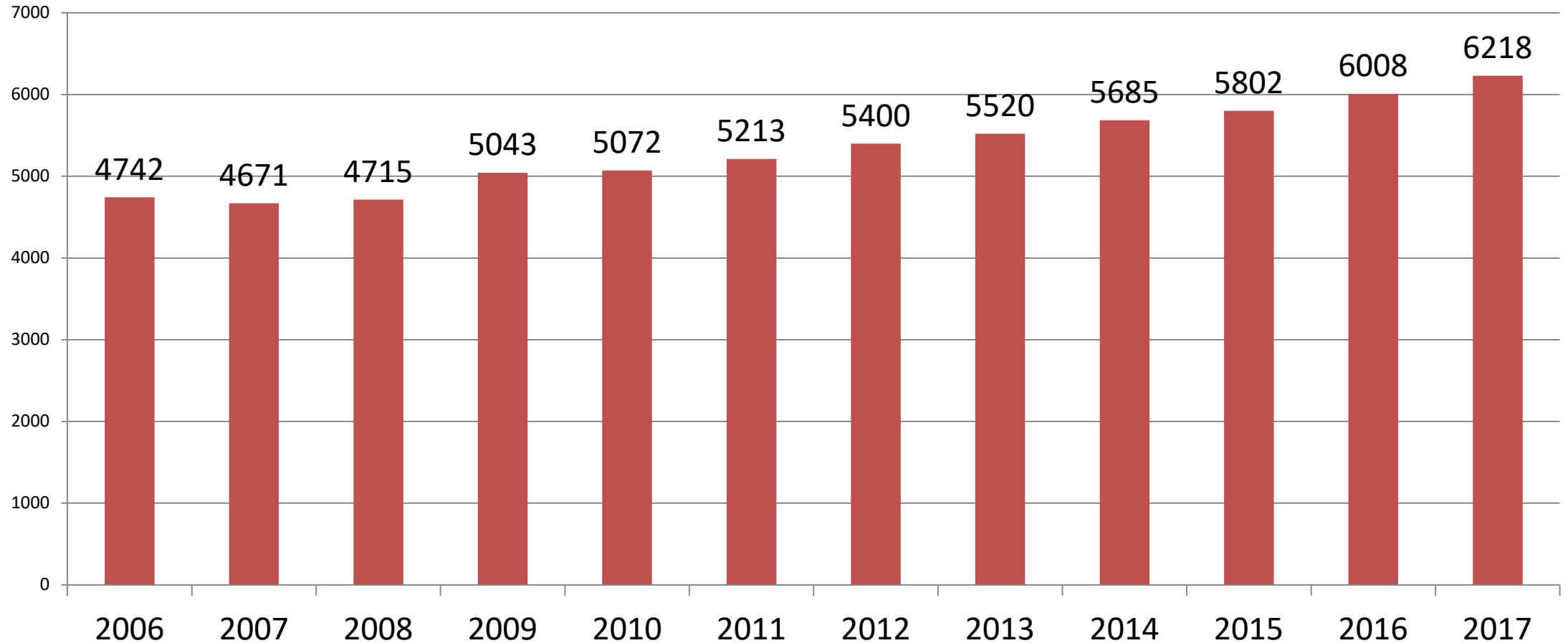
- Persons living with HIV who reside in the 20-county Atlanta EMA
- Infants, children and youth <25 yrs from any county in GA
- Parent (living with HIV) of a child being followed in the Family Clinic from any county in GA
- If not already an established patient within the Grady Health System, must have AIDS-defining illness, Hep C co-infection, **severe mental health conditions and/or complex medical or psychosocial needs**

Who are our patients?



- **71% Male**, 28% Female, <1% Transgender
- **84% Black/African American**, 9% White, 5% Latino
- 14% ≤ 24, 35% 25-44, 51% ≥45 years of age
- 32% < FPL, 60% < 2X FPL
- **42% uninsured**, 26% Medicaid, 21% Medicare
- **64% Stage 3 (AIDS)**

Total Number of Unduplicated Patients (2006-2017)



Comprehensive Medical/Social Services

- ❖ Adult, Family and Youth Clinics
- ❖ Subspecialties:
 - Heme/Onc, Hepatitis C, Ophthalmology, Neurology, Palliative Care, Pulmonary, Physical Therapy
- ❖ Center for Wellbeing
 - Behavioral health/counseling
 - Psychiatric services
 - Wellness programs
- ❖ **CARES**
- ❖ Oral Health Clinic
- ❖ Lab, radiology and pharmacy
- ❖ Social services/case management
- ❖ Peer counseling/navigation
- ❖ Nutrition
- ❖ On-site community services
 - Legal Aid, housing support, nutritional support
- ❖ Chaplain
- ❖ Day-care services/babysitting

Center for Adherence, Retention, and Engagement Support (CARES)

- Started in 2001 and originally named “Transition Clinic,” started as an intervention to reduce ED utilization/hospitalization and address adherence among a group of clinic patients
 - Homeless/unstably housed, incarcerations, active substance use identified as referral criteria
- “Specialty clinic” housed within IDP that offers an integrated wellness program for PLWH with severe mental illness and/or with polysubstance abuse that impedes access to care in traditional models of care
- Name changed to “CARES” in 2017

CARES Mission

The interdisciplinary CARES team will provide individualized care using a harm reduction model to optimize functioning, health, and physical, emotional and spiritual wellness in a population of patients with complex needs.

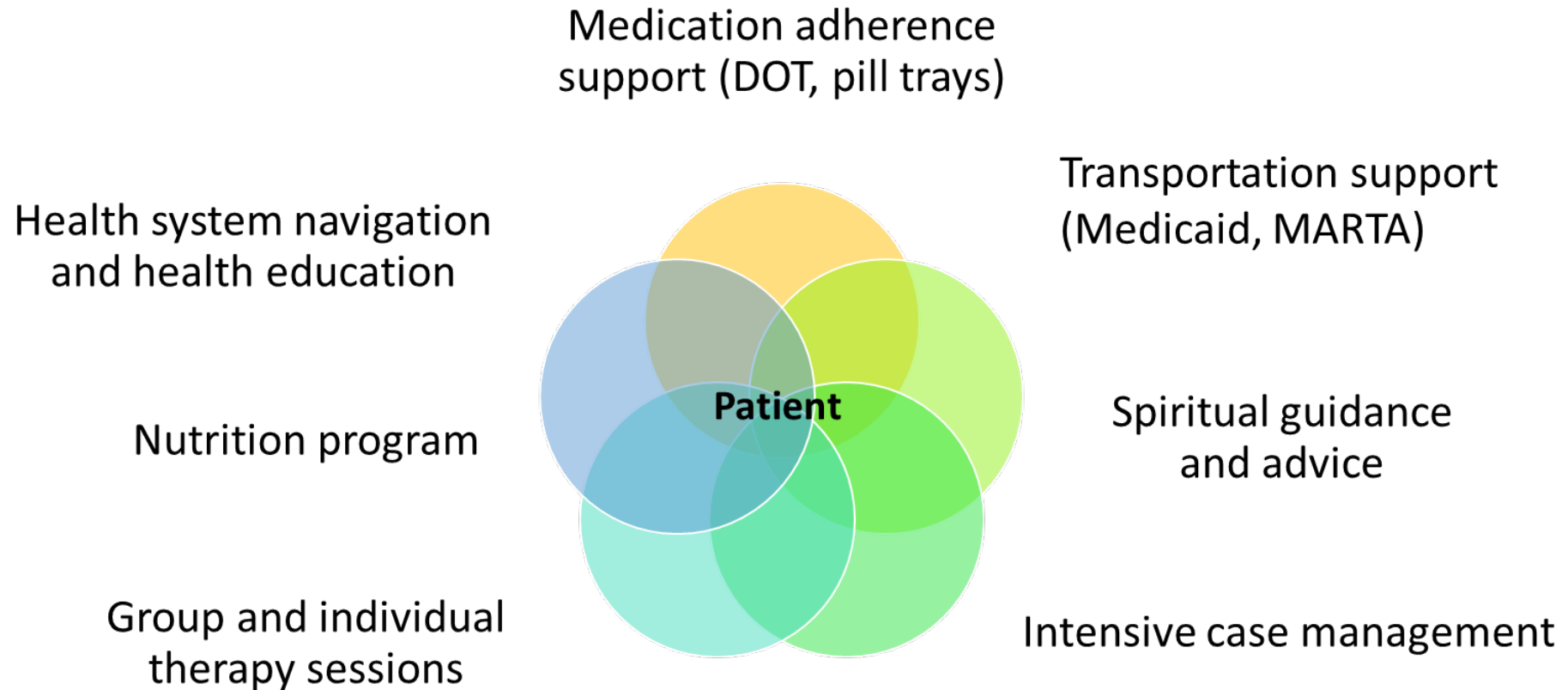
Category	Characteristics	Number N= 96 (%)
Demographics	Black/African American	91 (95)
Demographics	Male	61 (95)
Demographics	Completed high school	50 (52)
Alcohol and Substance Use	Crack/Cocaine	72 (75)
Alcohol and Substance Use	Alcohol	82 (85)
Alcohol and Substance Use	IVDU	26 (27)
Psychiatric Diagnoses	Depression	57 (59)
Psychiatric Diagnoses	Schizophrenia/Schizoaffective	22 (24)
Psychiatric Diagnoses	Alcohol Dependence	81 (84)
Psychiatric Diagnoses	Drug Dependence	80 (83)
Psychiatric Diagnoses	Dual Diagnosis	87 (91)
Life History	History of homelessness	76 (79)
Life History	History of psychiatric hospitalization	50 (52)
Life History	History of incarceration	63 (66)

Cohen et al. 2011

CARES Team



CARES Services

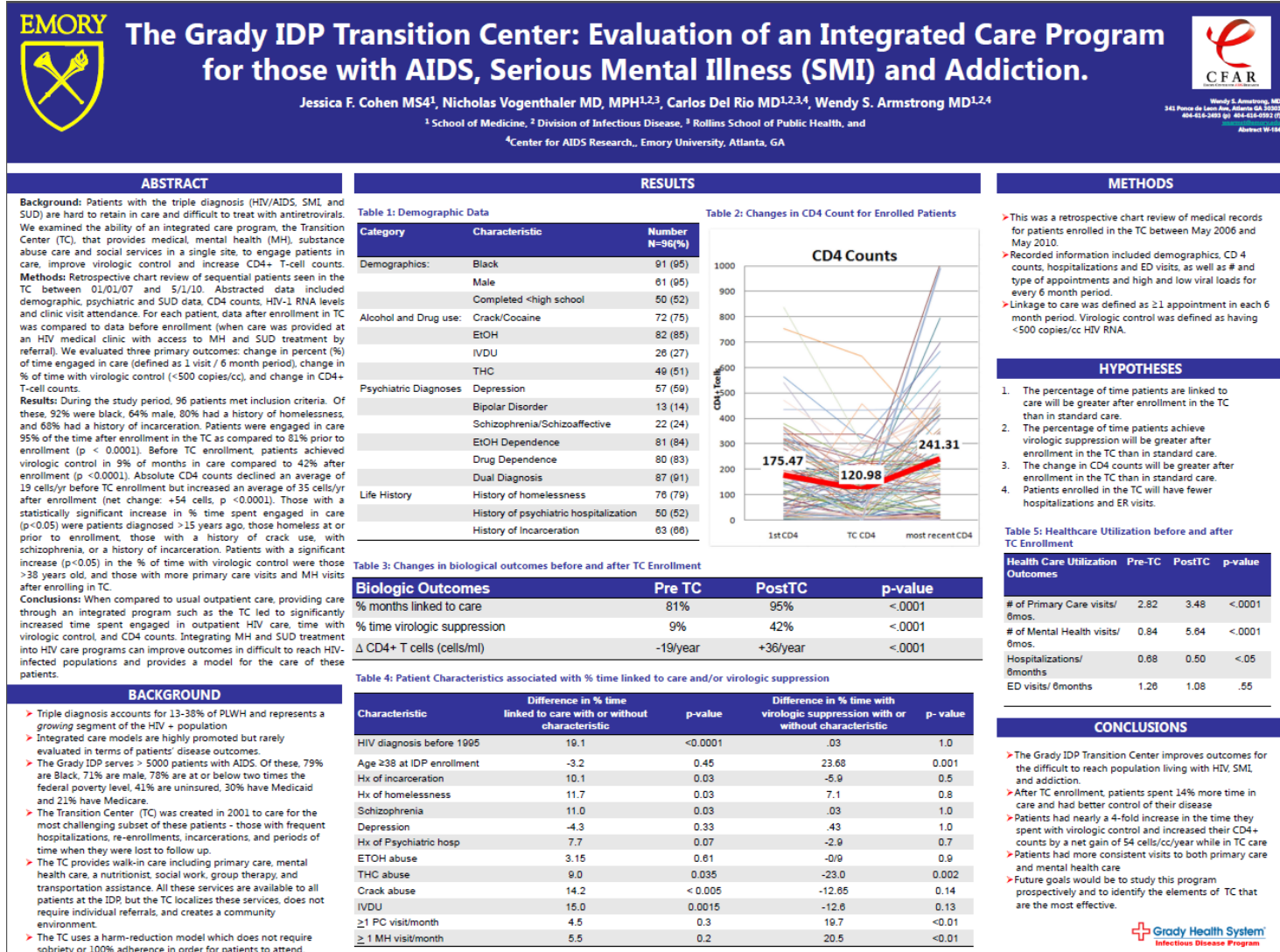


Referrals and “Eligibility” Criteria

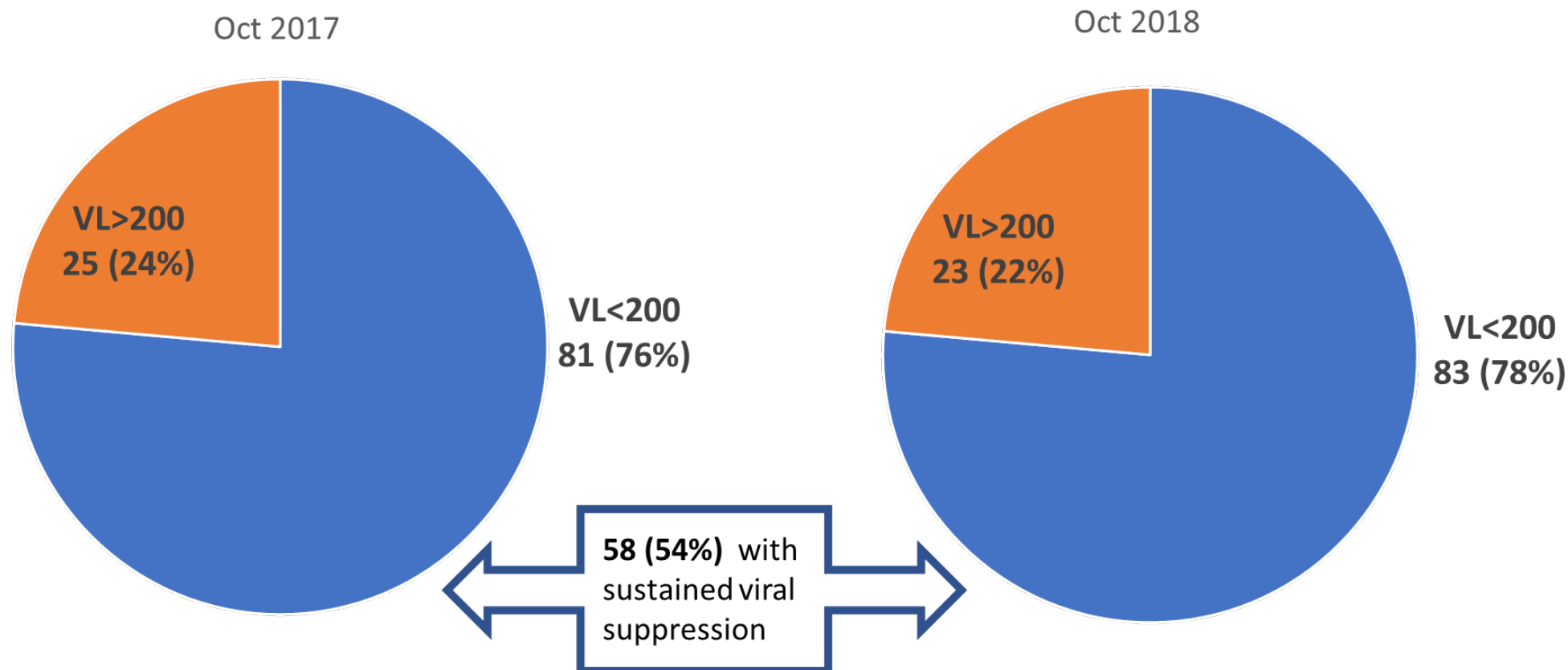
- Initially a point-based system with following criteria:
 - Substance dependence impedes access and/or adherence to care
 - Mental illness impedes access and/or adherence to care
 - Neurocognitive impairment impedes access and/or adherence to care
 - Psychosocial factors impedes access and/or adherence to care (homeless, without income, inadequate social support)
 - 2+ admissions in the past 6 months
 - Has kept <2 scheduled medical visits in the past 6 months
 - African-American or Hispanic (*MAI criteria)
- Provider-driven referral → reviewed by program coordinator → intake by CARES team member

Preliminary Data

- Retrospective chart review of Transition Center (TC) patients between 2006-2010 (pre- post-format) by Cohen et al. (2011 CROI abstract)⁶
- Patients spent 14% more time in care after enrollment into TC
- 4-fold increase in time spent with virologic control (<500 RNA copies)
- Significant increase in primary care/mental health visits



Viral Suppression among CARES Patients (N=106)



CARES: Key Components for Success

- Open-access (no appointments necessary)
- Adaptive interventions tailored to each individual
- 1-2 full time dedicated staff always available (consistency)
- Staff characteristics
- Multidisciplinary team approach and case conferencing
- Creation of “community” identity

Ongoing Process Improvement

- Systematic review of patients including VL, adherence to medical visits, treatment planning/establishing goals
- Who benefits from CARES model?
 - Prioritization of patient referrals/re-examining referral criteria
 - Identifying critical components of intervention
- Empowerment/capacity building/skills development (“letting them fly solo”)

Conclusion

- A multidisciplinary team-based specialty clinic may be effective for improving retention, ART adherence and viral suppression among those with complex psychosocial needs
 - Building a community as an intervention (vs individualized care/attention)
- May be cost-prohibitive and/or tough “sell” to administration due to high cost/low volume intervention
 - Ultimately will need cost-effectiveness data
- Outcomes data from similar models of care (ie. MAX clinic), RCTs needed

References

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