



ARV Therapies and Therapeutic Strategies

INDEPENDENT REPORTING ON CROI 2017

Comprehensive Expert Review and Discussion of Key Presentations

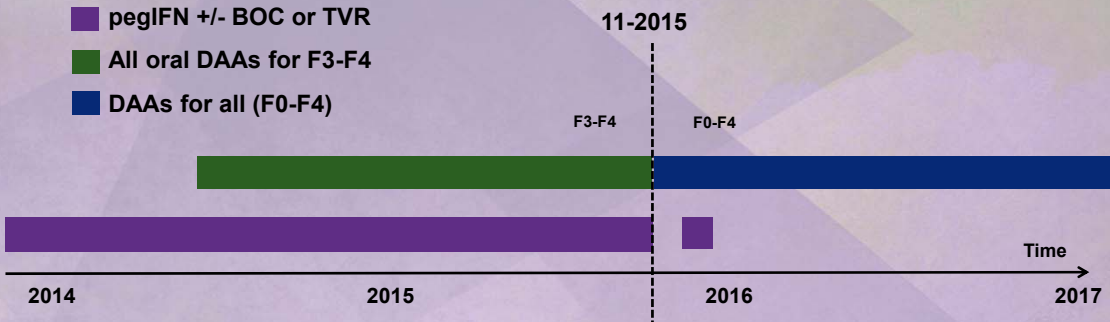
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SUBSTANTIAL DECLINE IN ACUTE HCV INFECTIONS AMONG DUTCH HIV+MSM AFTER DAA ROLL OUT

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Abstract 137LB

Dutch Acute HCV in HIV Study (DAHHS; 8 Centres)



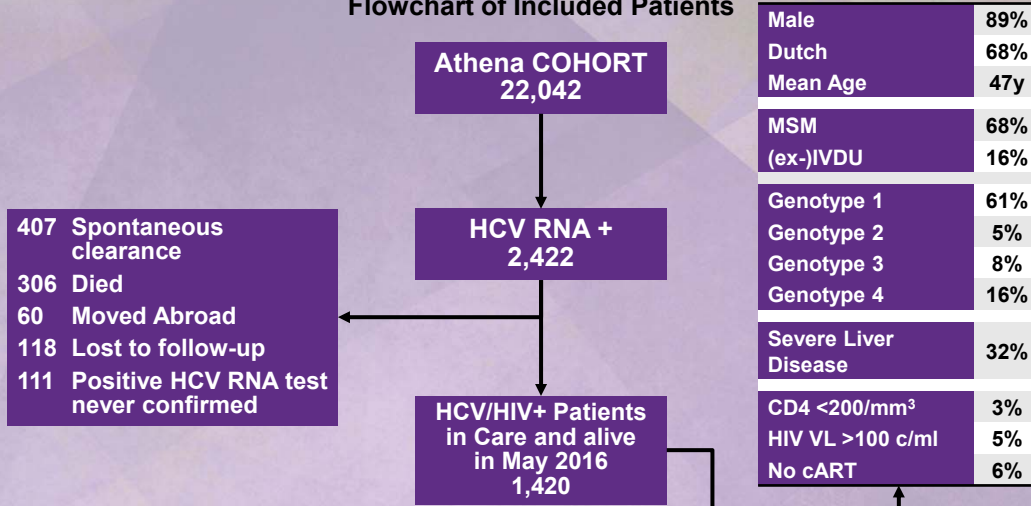
01/2017: 76% (n=742/971) coinfecting MSM cured of HCV

Acute HCV Therapy:

- ✓ DAHHS = Dutch Acute HCV in HIV Study group
- ✓ Study of new therapies for acute HCV in network of 8 HIV centers
- ✓ Referral of pts with acute HCV from other HIV centers

Dutch Athena Cohort: Rapid and Early Treatment Uptake of DAAs

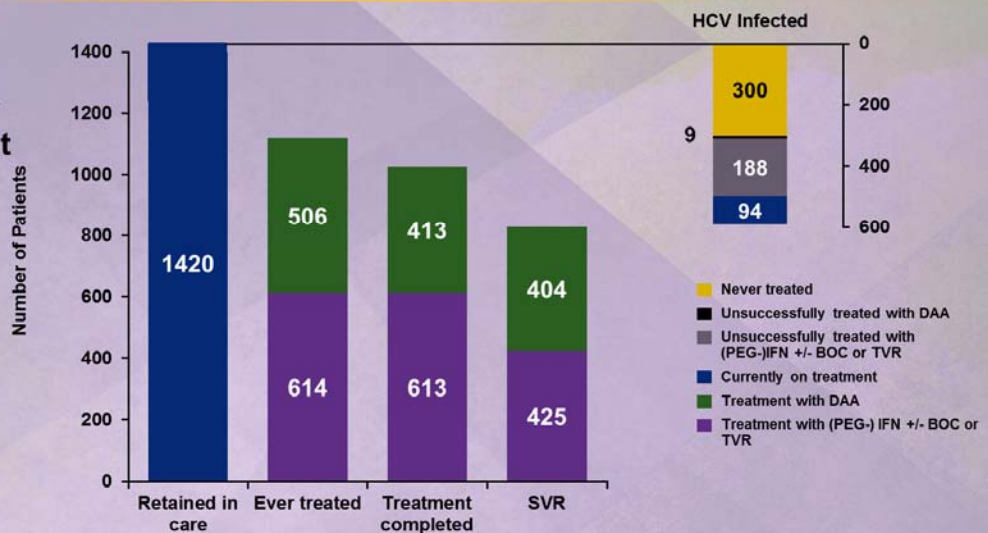
Flowchart of Included Patients



Severe liver disease: defined by clinically, endoscopic or radiographic documented portal hypertension and/or severe liver fibrosis
Boerekamps A, et al. 24th CROI, Seattle, WA, February 13-16, 2017. Abst. 137LB.

Dutch Athena Cohort: Rapid and Early Treatment Uptake of DAAs

- Since 11/2015 unrestricted access to DAA
- Early treatment initiation in n=736



Boerekamps A, et al. 24th CROI, Seattle, WA, February 13-16, 2017. Abst. 137LB.

Dutch Acute HCV in HIV Study (DAHHS; 8 Centres) Declining Acute HCV Epidemic Due to DAA?

Introduction:

DAHHS 1 study: 2014

- ✓ Peginterferon + RBV + Boceprevir 12 weeks: gen1 only
- ✓ => 86% (49/57) cure

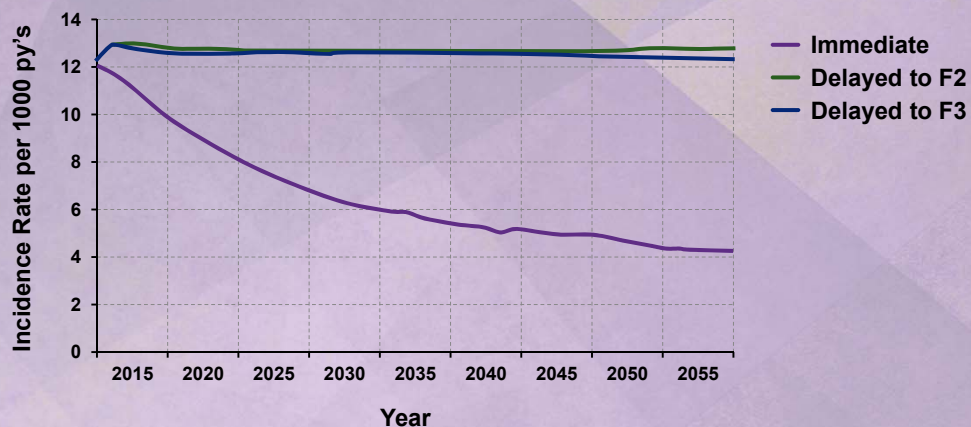
DAHHS 2 study: 2016 and ongoing

- ✓ Grazoprevir + elbasvir for 8 weeks: gen1 or 4
- ✓ 58 patients included so far (NL + BE)

50% (2014) and 65% (2016) of pts with acute HCV in the Netherlands included
DAHHS1 Hullege SJ et al. J Hepatology 2016

Dutch Modeling Study Will Treatment as Prevention also Work for HCV?

- ▲ Immediate DAA treatment is a cost-effective HCV prevention approach that can strongly reduce, but not eliminate, the HCV epidemic among HIV-infected MSM



Hullege S, et al. 24th CROI; Seattle, WA; February 13-16, 2017. Abst. 536.

Dutch Acute HCV in HIV Study (DAHHS; 8 Centres) Declining Acute HCV Epidemic Due to DAA?

2014

A-HCV n=93

PYFU n=8290

11.2/1000PYFU (95% CI 9-14)

1.1% per year

2016

A-HCV n=49

PYFU n=8961

5.5/1000PYFU (95% CI 4-7)

0,55% per year

IRR 0.49 (95% CI 0.34-0.69)

Jan-Dec 2014 11.2/1000

Jan-Jun 2016 6.9/1000

Jul-Dec 2016 4.0/1000

BUT: 41% Increase in Syphilis Cases in 2016 vs. 2015

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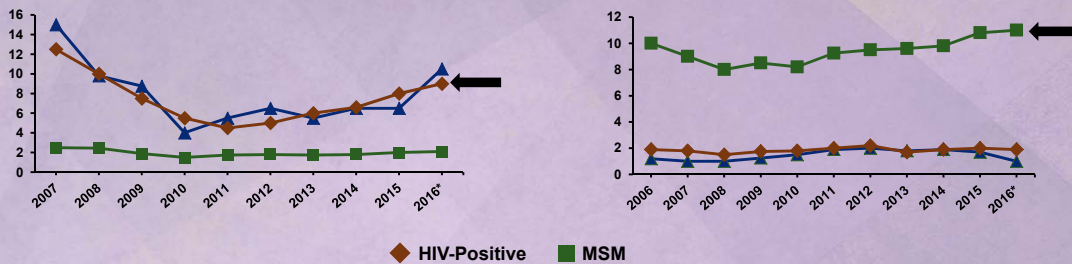
What About Syphilis in MSM at Public Health STD Clinics:

First six months of 2015:

N=446 syphilis infections diagnosed

First 6 months of 2016:

N=629 syphilis infections diagnosed (=41% increase! 95% in MSM)



Boerekamps A, et al. 24th CROI; Seattle, WA; February 13-16, 2017. Abst. 137LB.