EACS summer school:

Current projects in a HIV Clinical Trials Centre, Imperial College London

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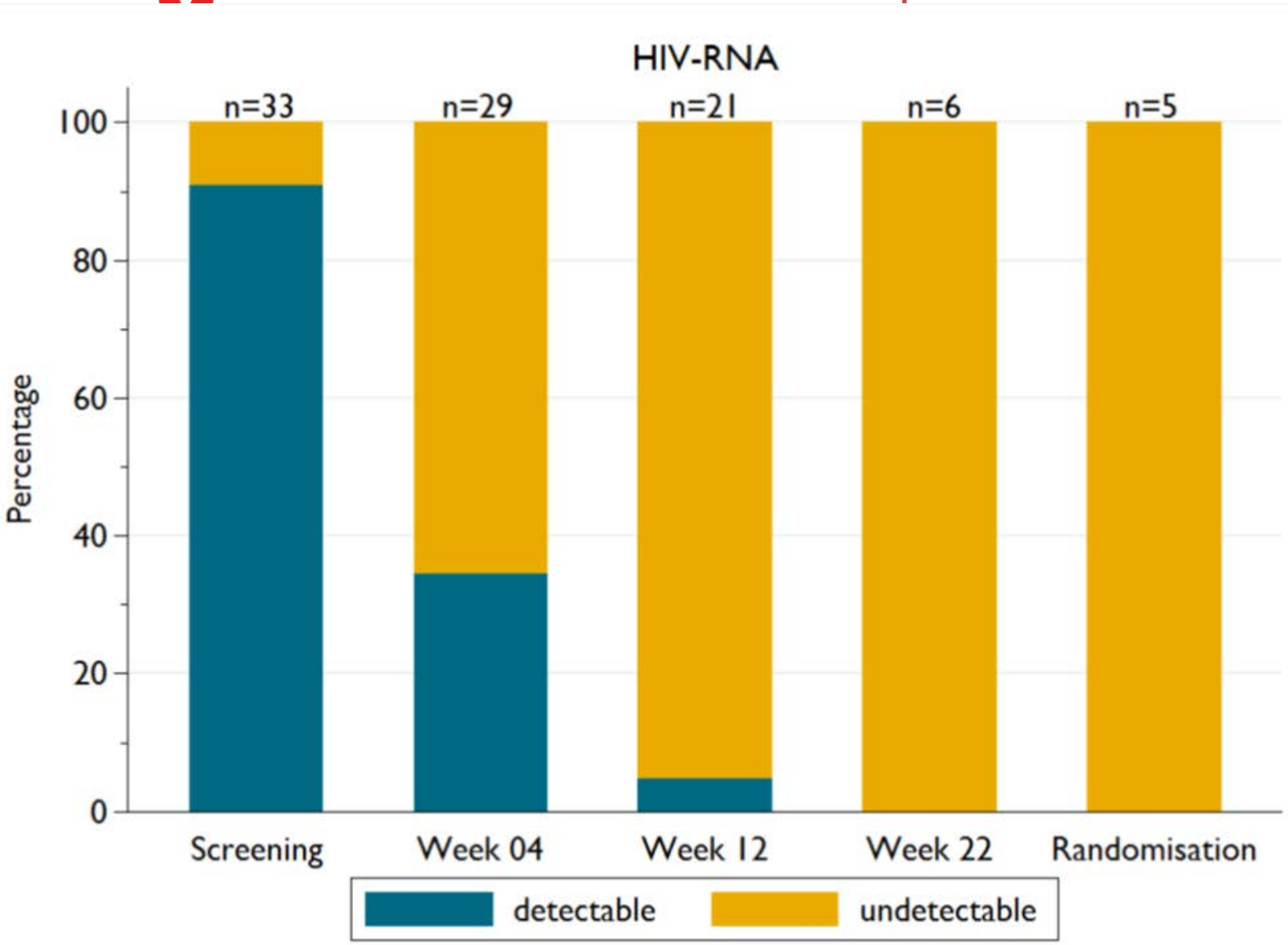
Clinical Research Fellow

C*ollaboration on* **H***IV* **ER***adication a* **U***K* **B**RC *initiative (CHERUB):*
Studies Towards a "Cure" for HIV

- HEATHER studies: Acute HIV-infected adults
  - A: Individuals with defined HIV acute infection (< 12 weeks from previous negative test) initiating immediate ART
  - B: Individuals with known dates of HIV seroconversion initiate immediate ART and suppressed on treatment for > 2 yrs

Primary outcome: total and integrated HIV DNA

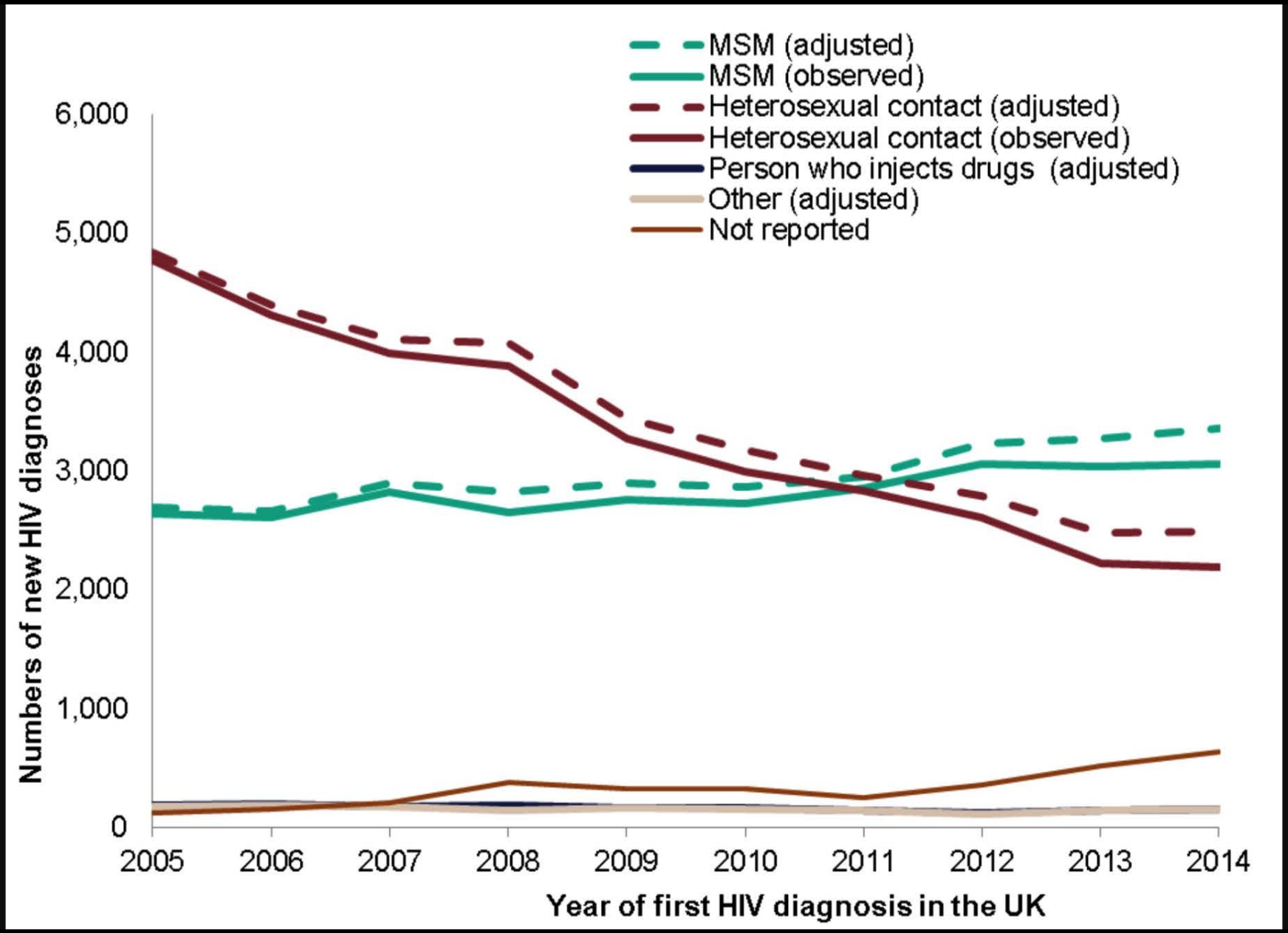
Secondary goal: how and when to stop ART

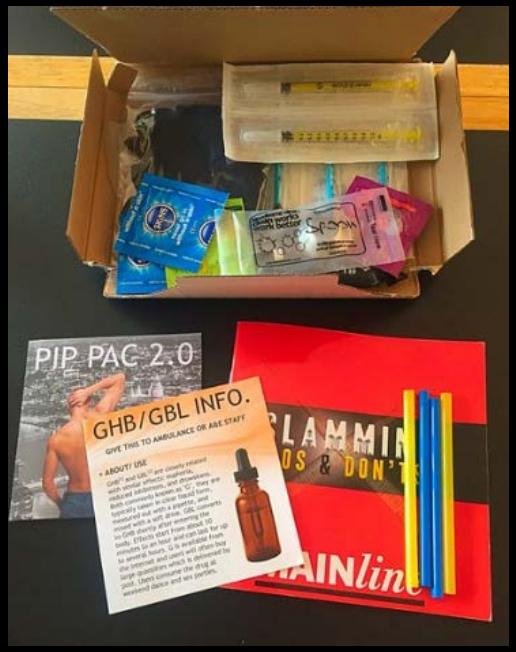

HIV-RNA
n=33
n=29
n=21
n=6
n=5
100
80
60
40
20
0
Percentage
Screening
Week 04
Week 12
Week 22
Randomisation
detectable
undetectable

15 trials ongoing at present

- HIV therapeutics and treatment strategies:
  - New ARVs
  - Switch studies
- HIV and viral hepatitis co-infection
- HIV vaccines and prevention
- Ageing and HIV
- Comorbidities and HIV
- Brain health and cognitive function and HIV
- Primary HIV infection
- HIV cure research
- Sexual function
- Sexually transmitted infections

Questions?


MSM (adjusted)
MSM (observed)
Heterosexual contact (adjusted)
Heterosexual contact (observed)
Person who injects drugs (adjusted)
Other (adjusted)
Not reported
6,000
5,000
4,000
3,000
2,000
1,000
0
Numbers of new HIV diagnoses
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Year of first HIV diagnosis in the UK



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