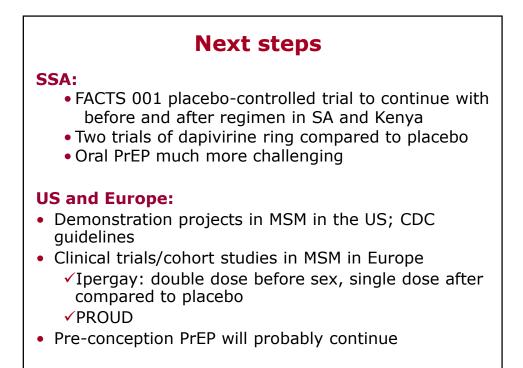


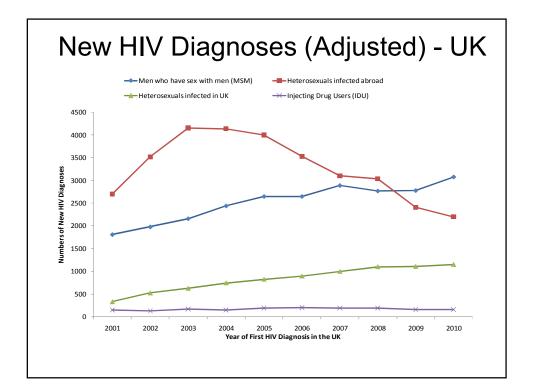
Primary effica	cy res	ults	
 Primary analysis: modified intent excluding infections present at randomiz 		、 ,	placebo)
	TDF	FTC/TDF	Placebo
Number of HIV infections	18	13	47
HIV incidence, per 100 person-years	0.74	0.53	1.92
HIV protection efficacy, vs placebo	62%	73%	
95% CI	(34-78%)	(49-85%)	
p-value	0.0003	<0.0001	
Z-score, vs. H ₀ =0.7	-2.17	-2.99	
		ITT analys	is results similar

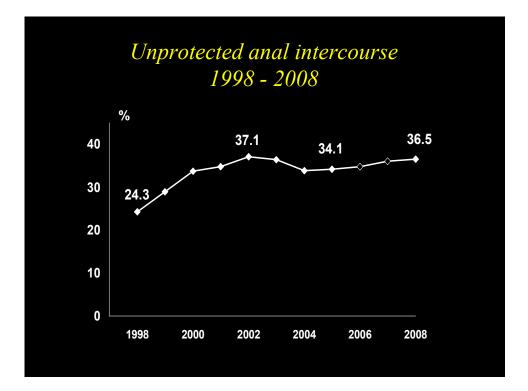
Subgr	oup ar	nalysis	- gen	der
		ions: 8 TDF,	9 FTC/TDF,	25 placebo
	Efficacy	95% CI	P-value	Interaction p-value
TDF				
Women	68%	29-85%	p=0.01	p=0.54
Men	55%	4-79%	p=0.04	
FTC/TDF				
Women	62%	19-82%	p=0.01	p=0.24
Men	83%	49-94%	p=0.001	

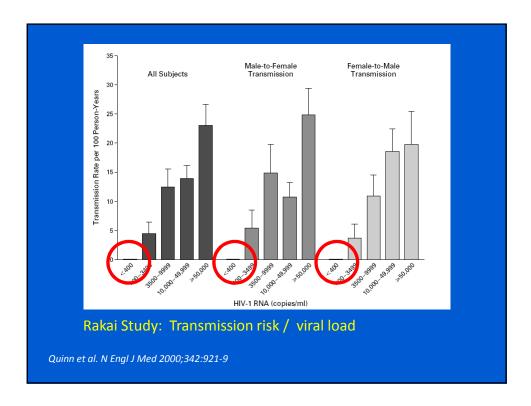
		Women
 98 infections; 39% (95% CI: 6-60%) reduction in HIV FEM-PREP Daily oral truvada Closed for futility after 56 infections (95%CI: -69-41%) Partners in PrEP Daily oral tenofovir: 34 infections; 68% (95% CI: 29-85%) Daily oral truvada: 33 infections; 62% (95% CI: 19-82%) VOICE Daily oral tenofovir discontinued for futility Daily vaginal tenofovir discontinued: 92 infections (95%CI: -49-34%) 	CAPR	ISA 004
 FEM-PREP Daily oral truvada Closed for futility after 56 infections (95%Cl: -69-41%) Partners in PrEP Daily oral tenofovir: 34 infections; 68% (95% Cl: 29-85%) Daily oral truvada: 33 infections; 62% (95% Cl: 19-82%) VOICE Daily oral tenofovir discontinued for futility Daily vaginal tenofovir discontinued: 92 infections (95%Cl: -49-34%) 	-	Before and after sex tenofovir vaginal gel
 Daily oral truvada Closed for futility after 56 infections (95%Cl: -69-41%) Partners in PrEP Daily oral tenofovir: 34 infections; 68% (95% Cl: 29-85%) Daily oral truvada: 33 infections; 62% (95% Cl: 19-82%) VOICE Daily oral tenofovir discontinued for futility Daily vaginal tenofovir discontinued: 92 infections (95%Cl: -49-34%) 	-	98 infections; 39% (95% CI: 6-60%) reduction in HIV
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 Daily oral truvada: 33 infections; 62% (95% CI: 19-82%) VOICE Daily oral tenofovir discontinued for futility Daily vaginal tenofovir discontinued: 92 infections (95%CI: -49-34%) 	Partne	ers in PrEP
 VOICE Daily oral tenofovir discontinued for futility Daily vaginal tenofovir discontinued: 92 infections (95%CI: -49-34%) 	•	Daily oral tenofovir: 34 infections; 68% (95% CI: 29-85%)
 Daily oral tenofovir discontinued for futility Daily vaginal tenofovir discontinued: 92 infections (95%CI: -49-34%) 	•	Daily oral truvada: 33 infections; 62% (95% CI: 19-82%)
 Daily vaginal tenofovir discontinued: 92 infections (95%CI: -49-34%) 	VOICE	E
	-	Daily oral tenofovir discontinued for futility
 Daily oral truvada continues 		Daily vaginal tenofovir discontinued: 92 infections (95%CI: -49-34%)
Baily oral arabada contanaco	-	Daily oral truvada continues

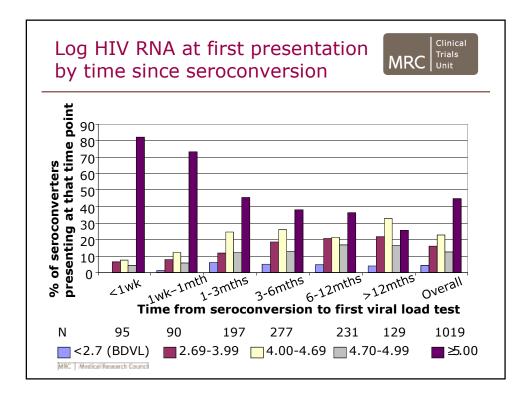














- 70 Partners (of 32 new HIV +ve MSM) were identified in total
- In 3 cases the number of partners were not fully documented.
- 35 Traceable partners
- 29 Untraceable partners
- 6 partners already HIV +ve



- 27/35 (77%) were documented as being tested.
- N.B All 35 informed of Diagnosis

• 7/27 tested HIV +Ve

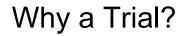
(Royal Free, 56DS and Italy)

• Provider referral appropriately offered in 3 cases not applicable in the all other cases.

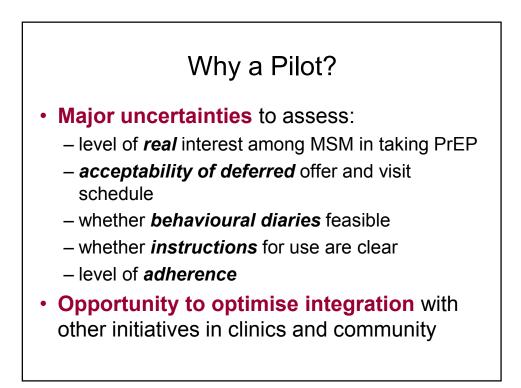
Prevention Programme

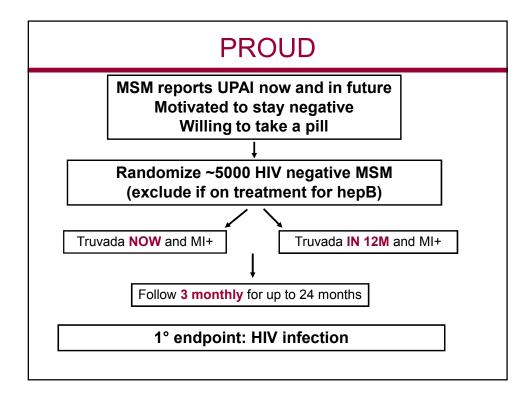
- ICP: audit of **Testing** and **Behavioural Interventions** in clinics (HPA), national community organisations through CHAPS, Pan-London clinic & community (Ergoclear)
- Risk score: questions in development (HPA to pre-pilot); THT's 'Clever Dick-Smart Arse'
- · Web-tool: awaiting outputs from above, and Pilot
- PrEP pilot (and trial)
- **Pharmacology** WkGp: in vivo dosing, ex vivo challenge of alternative regimens and for PEP recommendations
- Modelling Cost-effectiveness: UCL with LSHTM
- Overall coordination/dissemination: currently through PrEP eWG

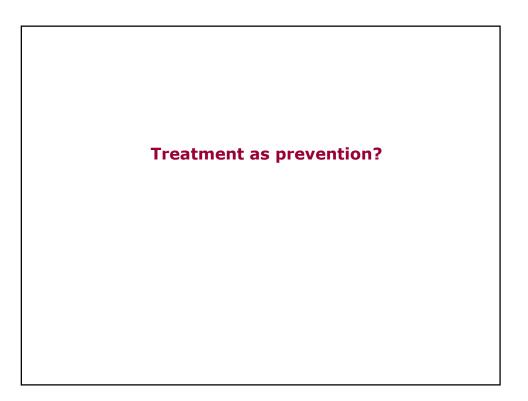


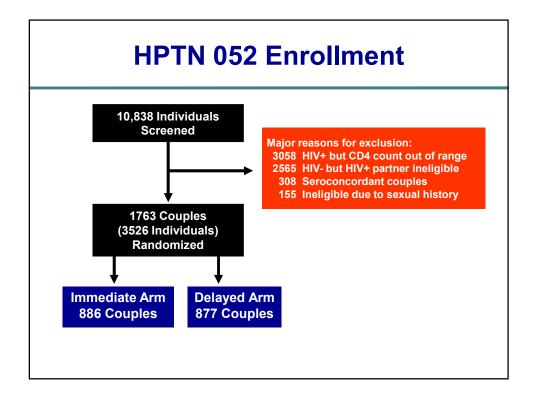


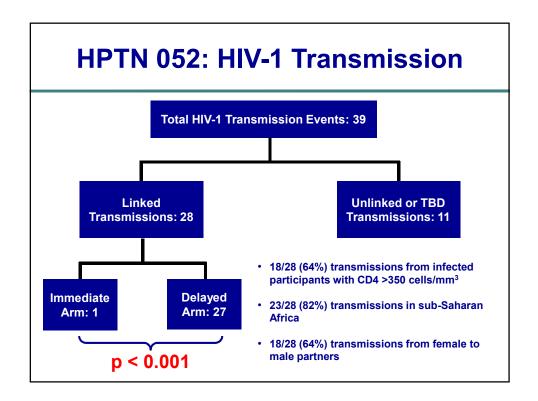
- We want 'real-life' efficacy
 - When individuals know they are using an effective alternative to condoms
 - Placebo controls behaviour, so need nonplacebo control group
- Propose randomise to immediate offer vs deferred to 12m
 - Mimic clinic routine as much as possible
 - Measure *net benefit*, i.e. cannot reliably separate behaviour and biology
- · We want to offer more than daily









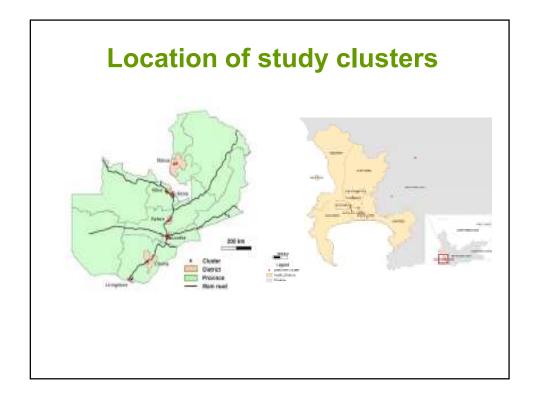


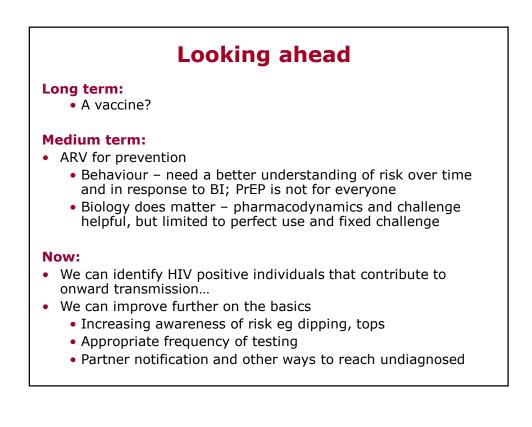
The PopART hypothesis

 Universal voluntary HIV testing with appropriate combination prevention offered to all those testing HIV–ve in addition to immediate ART for all those testing HIV+ve will have a substantial impact on HIV incidence at population level



- Arm A (8 clusters): Full PopART intervention
 including immediate ART irrespective of CD4 count
- Arm B (8 clusters): Full PopART intervention *except* that ART initiated according to current national guidelines (CD4 < 350)
- Arm C (8 clusters): (Enhanced) standard of care



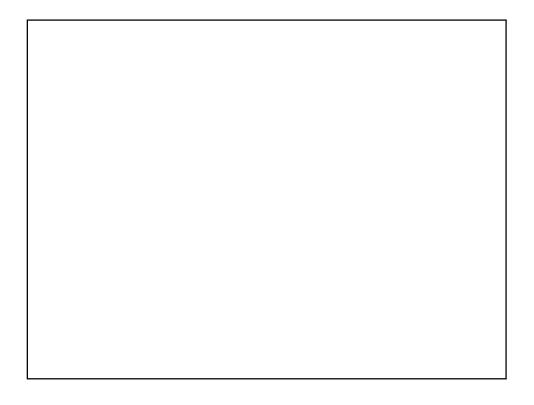


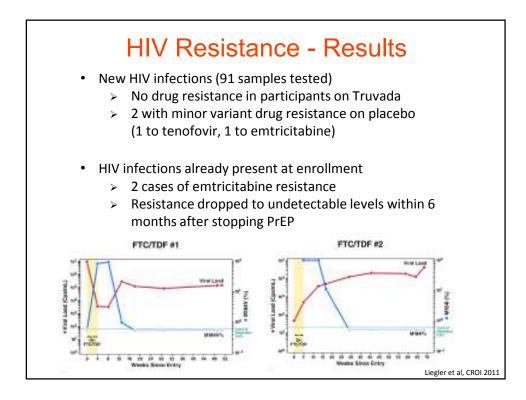
Thanks for slides to

- · Merlin Robb and Mary Marovich from MHRP
- Jonathan Weber from Imperial
- Sarah Joseph from CTU
- Bob Grant and Dave Glidden from iPrEx
- · Connie Cellum and Jared Baeton from Partners
- Slim Karim from CAPRISA
- Tony Nardone and Noel Gill from HPA
- · Jonathan Elford from City
- Sarah Fidler from Imperial
- Kholoud Porter from CTU
- Raj Gill from Dean Street
- Mike Cohen from UNC
- Richard Hayes from LSHTM

And to the UK PrEP eWG

Charles Lacey (charles.lacey@hyms.ac.uk); Clutterbuck, Daniel; Sullivan, Ann; Natha, Macky; Alan McOwan (alan.mcowan@chelwest.nhs.uk); Hart, Graham; Elford, Jonathan; Boffito, Marta; Alan Winston (a winston@imperial.ac.uk); D.J.Back@liverpool.ac.uk; Noel Gill; Anthony Nardone; catherine.lowndes@hpa.org.uk; David Dunn; Deenan Pillay; Andrew Philips; Yusef Azad; Brian.Gazzard@chelwest.nhs.uk; Yvonne.Stupple@chelwest.nhs.uk; kay.orton@dh.gsi.gov.uk; Gus@nam.org.uk; steve.taylor@heartofengland.nhs.uk; lain.Reeves@homerton.nhs.uk; lisa.power@tht.org.uk; roger@nam.org.uk; matthew.hodson@gmfa.org.uk; werner.leber@nhs.net; Ian Williams (ian.williams@ucl.ac.uk); r.gilson@ucl.ac.uk; judith.russell@nhs.net; Nwokolo, Nneka; 'Emma.Devitt@chelwest.nhs.uk'; paul.benn@nhs.net; 'u.cambiano@ucl.ac.uk'; Andrew Copas; 'Alec.Miners@lshtm.ac.uk'; 'carol.emerson@belfasttrust.hscni.net'; carolemerson15@hotmail.com'; 'Keith Alcorn'; 'Caspar Thomson'; 'Rob.horn@@pharmacy.ac.uk'; 'khoo@liverpool.ac.uk'; 'ford.hickson@sigmaresearch.org.uk'; 'ben.tunstall@tht.org.uk'; 'sal@tradesexualhealth.com'; 'rob.cookson@lgf.org.uk'; 't.doyle@mesmac.co.uk'; 'tomdoyle68@googlemail.com'; 'greg@metrocentreonline.org'; 'Roykilpatrick@nivscotland.com'; 'mu@aidsalliance.org'; 'aker@aidsalliance.org'; 'smclean@aidsalliance.org'; 'korr@aidsalliance.org'; yvonne.gilleece@bsuh.nhs.uk; michael.brady@kch.nhs.uk; christine.bowman@sth.nhs.uk; george.kinghorn@sth.nhs.uk; michael.brady@kch.nhs.uk; valerie.delpech@pa.org.uk; Rebekah Webb; spetretti@positivelyuk.org; Anne Johnson; gabriel.schembri@cmft.nhs.uk; eleanor.roaf@manchester.nhs.uk; Monica Desai; Sarika Desai; Robin Shattock; r.shattock@imperial.ac.uk; Veronica Nall; Michael Carter, t.barber@nhs.net; nigel.burbidge@heartofengland.nhs.uk; Fabiola Martin; will.nutland@lshtm.ac.uk; Fox, Julie; Linda Lazarus; Helen.Weiss@lshtm.ac.uk; Fisher, Martin; Sarah Fidler; Smith, Alan [Alan.Smith@imperial.nhs.uk]; Nicky.Mackie@imperial.nhs.uk





Adverse Event	TDF/FTC		Placebo		
	n (%)	Events	n (%)	Events	P value
Creatinine Elevated	25 (2%)	28	14 (1%)	15	p=0.08
Creatinine Elevation Confirmed on Next Visit	5 (0.4%)	7	o	0	p≃0.06
Phosphate, Electrolytes, Total Bili, AST, ALT, AlkP, Slucose, Amylase, HCO3, Hbg, WBC, Platelets					p>0.15

	Safe	ty		
 No statistically signific laboratory AEs 	ant diffe	rence in	deaths, S	SAEs, key
Number of participants with each safety event	Total	TDF	FTC/TDF	Placebo
Death	24 (<1%)	8	7	9
SAE	320 (7%)	108	107	105
Confirmed creatinine AE	49 (1%)	17	20	12
Confirmed phosphorus AE	403 (9%)	138	133	132

Adverse Event	TDF/FTC		Placebo		
	n (%)	Events	n (%)	Events	P value
Diarrhea	46 (4%)	49	56 (4%)	61	p=0.36
Headache	56 (4%)	66	41 (3%)	55	p=0.10
Nausea	20 (2%)	22	9 (<1%)	10	p≈0.04
Weight Decreased	27 (2%)	34	14 (1%)	19	p=0.04

Adverse Event	TDF/FTC		Placebo		
	n (%)	Events	n (%)	Events	P value
Depression	43 (3%)	46	62 (5%)	63	p=0.07
Grade 3 or Grade 4	151 (12%)	248	164 (13%)	285	p=0.51
Death	1 (<1%)	1	4 (<1%)	4	p=0.18
Serious AE	60 (5%)	76	67 (5%)	87	p=0.57

