

# Overview of sexual health risk, need and performance in North Lincolnshire 2015/16 update

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Public Health Intelligence

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# Content

- Summary
- National trends
- Population and risk profile
- Sexual health profile
- Positive trends in last 12-24 months
- Where people access services
- Some emerging/continuing challenges

# Summary – key points

- Low risk profile and low background rate of STIs
- Older than average population and growing 55+ population
- Half 14-64 year olds live in our rural areas
- Low % <25s and women of CBA in the population - no growth anticipated in next 20 years in these age groups
- Smaller MSM population – probably at lower end of national estimates <2.5% males
- High levels of sexual health literacy amongst under 18s
- Reflected in high take up of outreach and screening services amongst under 18s ,
- Falling teen conception rates, high take up of LARCs and high detection rates for chlamydia

# Summary - key points cont/d....

- Hub/spoke model of provision is working well (for under 20s)
- Outreach services for <20s well targeted
- 75% hub users are Scunthorpe residents
- Scunthorpe North locality may require additional targeting for <18s
- Exceeding national chlamydia targets, especially amongst young women
- Small local MSM population which is 'hidden'/ under represented in local SHS
- Low prevalence of HIV

# National developments 2015-16

- Large rise in STI diagnoses amongst MSM nationally in last 12 months, including a 21% increase in gonorrhoea, 19% increase in syphilis.
- Growing levels of condom-less sex amongst MSM
- Mandatory reporting of CSE and FGM
- Increasing pressure on school curricula/quality of SRE
- Emergence of MDR bacterial infections
- Targeted HIV prevention work including social marketing being rolled out by PHE
- Pilot HPV vaccination programme for MSM

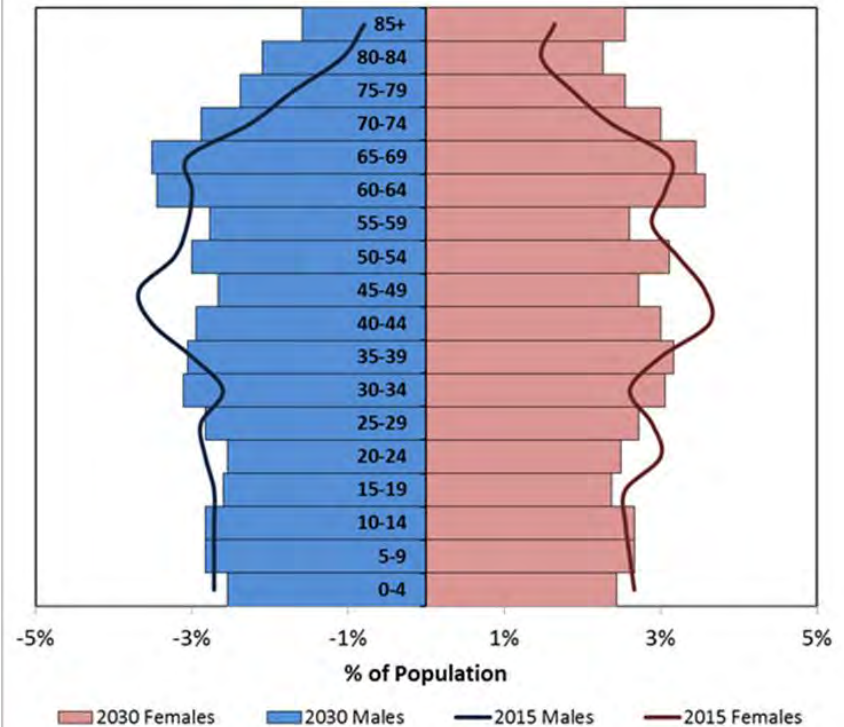
# Population and risk profile

- Older than average population
- No growth projected in 16-24 yr olds and CBA women in next 20 years, but continued growth in 55+ age group
- Small MSM population in North Lincolnshire
- Below average risk factors
- Below average deprivation score (a proxy for some risk factors)
- Below average incidence and prevalence of STIs

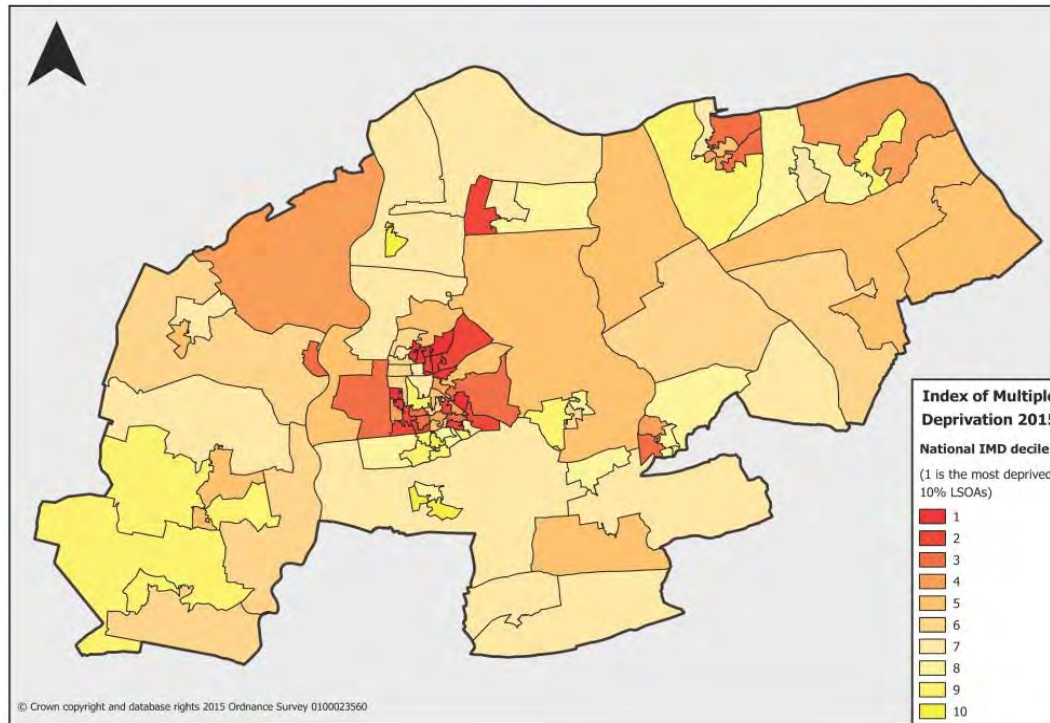
# Population profile

- Total population 171,800, (2016)
- Growing 0.5% a year
- Most of growth in 60+
- Smaller than average under 25 and women of CBA
- Large middle aged population.

**Largest growth projected amongst 60+s**



# Average deprivation score – but with internal inequalities



North Lincolnshire ranks better than previously for deprivation nationally, with 9% of the resident population living in the country's most deprived 10% neighbourhoods. In 2015, North Lincolnshire ranked in 127<sup>th</sup> position for deprivation compared to 120<sup>th</sup> in 2010. The most deprived areas in North Lincolnshire remain concentrated in parts of Scunthorpe, with small pockets in Winterton, Barton and Brigg.



# Risk profile

Compared with the Eng and Y&H average

- Above average employment
- Low % 10-17s in contact with YJS
- Lower rate of unauthorised absences from school
- Lower than average risky behaviours in <18s eg alcohol related
- Above average & rising school attainment
- But internal inequalities
- Scunthorpe North locality has highest risk profile

<http://fingertips.phe.org.uk/profile/sexualhealth/>

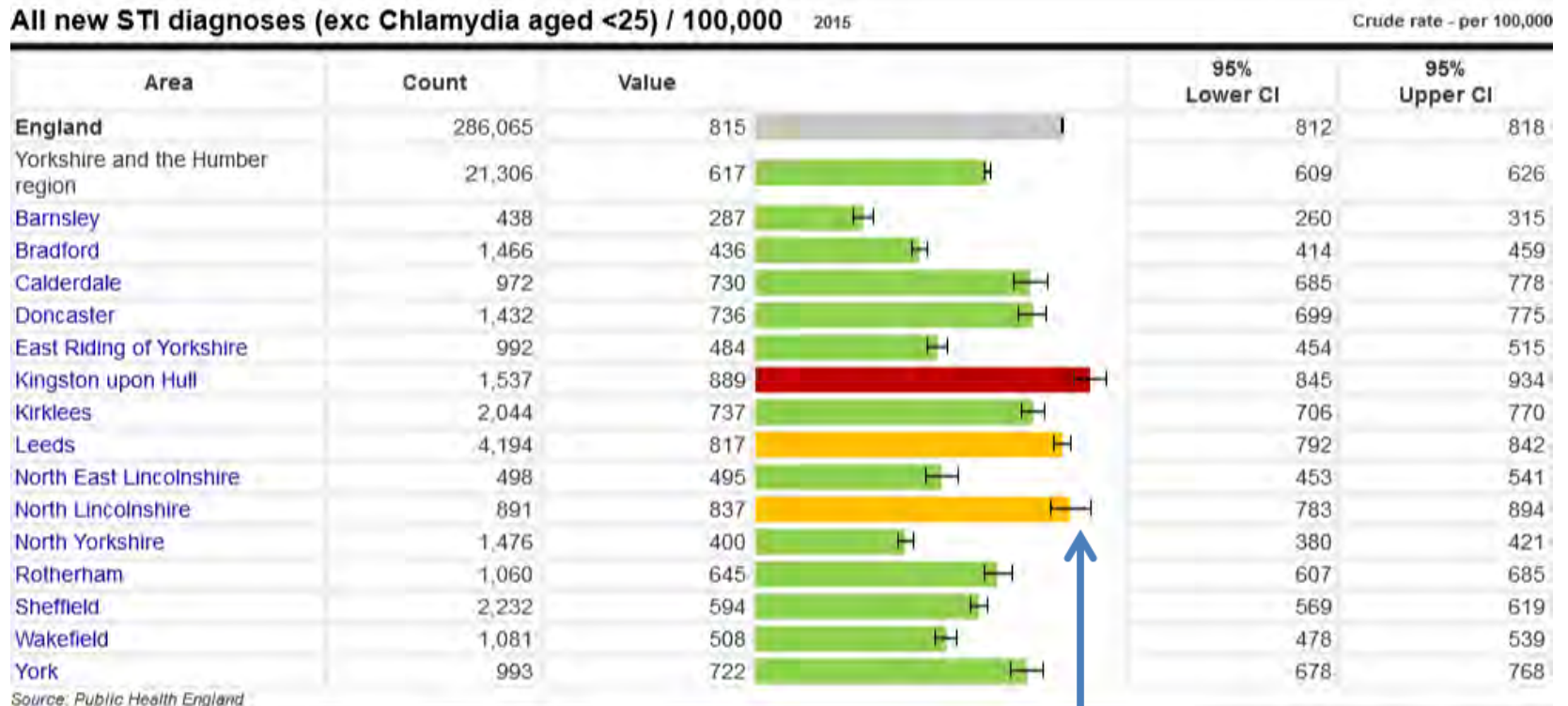
# Risk profile

- Below average Black African pop <1%
- MSM probably at lower end of national estimates, < 2.5%
- (Unknown number of people who trade sex )
- Recorded sexual offences in line with national average
- Above average opiate use, although nos small - 400+ IDUs

<http://fingertips.phe.org.uk/profile/sexualhealth/>

# Low background rate of STIs

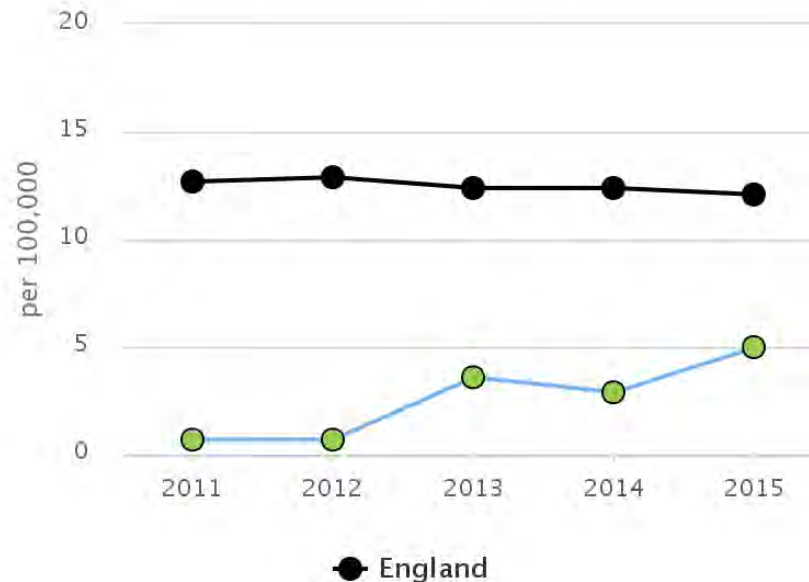
- Below average STI incidence and prevalence
- (Although herpes and warts risen in last year)



# Low prevalence of HIV

- 66 people living with HIV in 2015 <2 per 1,000
- < 10 new diagnoses per year

New HIV diagnosis rate / 100,000 aged 15+ - North Lincolnshire



# High sexual health literacy <25s

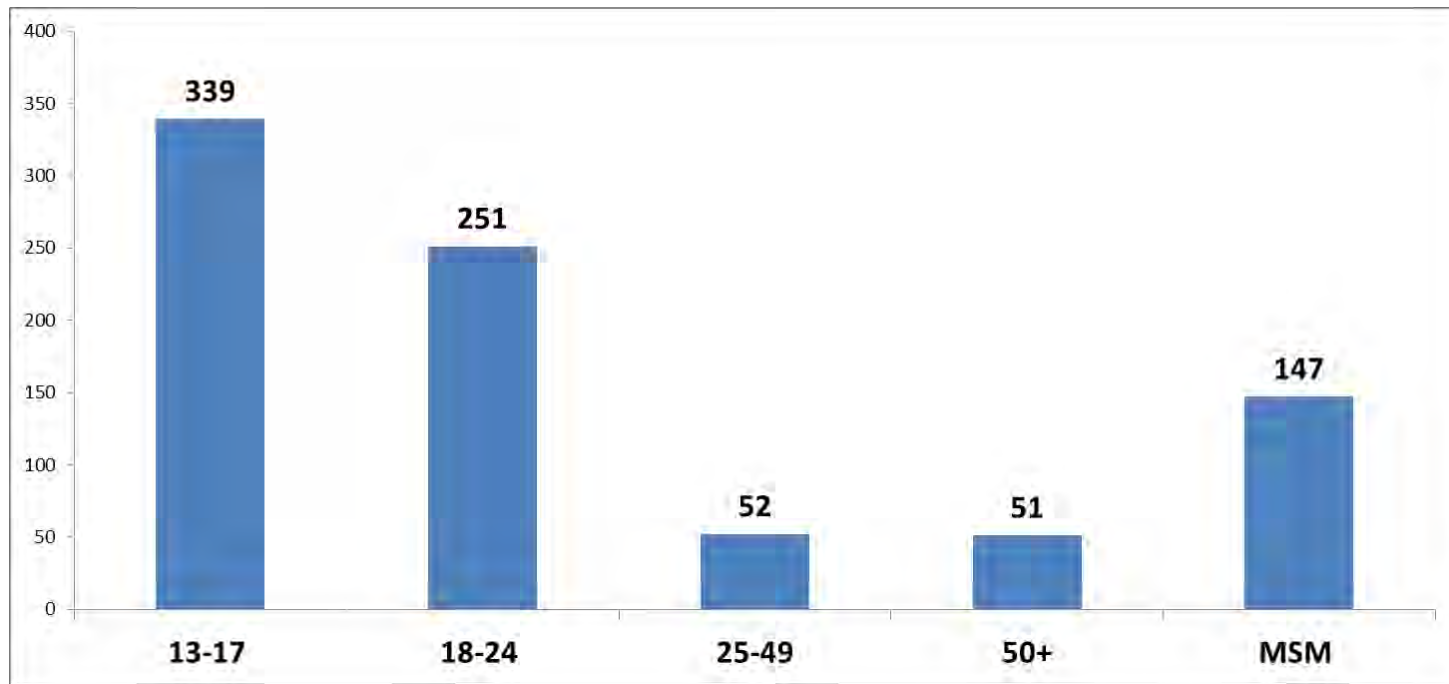
- High levels of STI awareness <16s ( see local lifestyle surveys) [http://nldo.northlincs.gov.uk/IAS\\_Live/sa/jsna/surveys/](http://nldo.northlincs.gov.uk/IAS_Live/sa/jsna/surveys/)
- High take up of SHS (<18s)
- High take up of screening amongst <25s
- High take up of LARC amongst <25s
- Low termination rates amongst <25s
- Falling teen conception rates
- Falling repeat abortions amongst <25s

# High take up of SHS by <18s (2015/16)

- 339 attendances per 1,000 13-17 year olds
- 251 per 1,000 18-24 year olds
- 12% of 13-17s accessed SHS in 2015/16
- (Compares with 15% in 2014/15 )
- High take up of outreach by <18s
- High take up of chlamydia screening by <18s
- <18s represent 26% of all under 25 chlamydia screens

# < 18s well represented in services

- 339 attendances per 1000 <18s
- 251 attendances per 1000 18-24
- 50 per 1000 25+

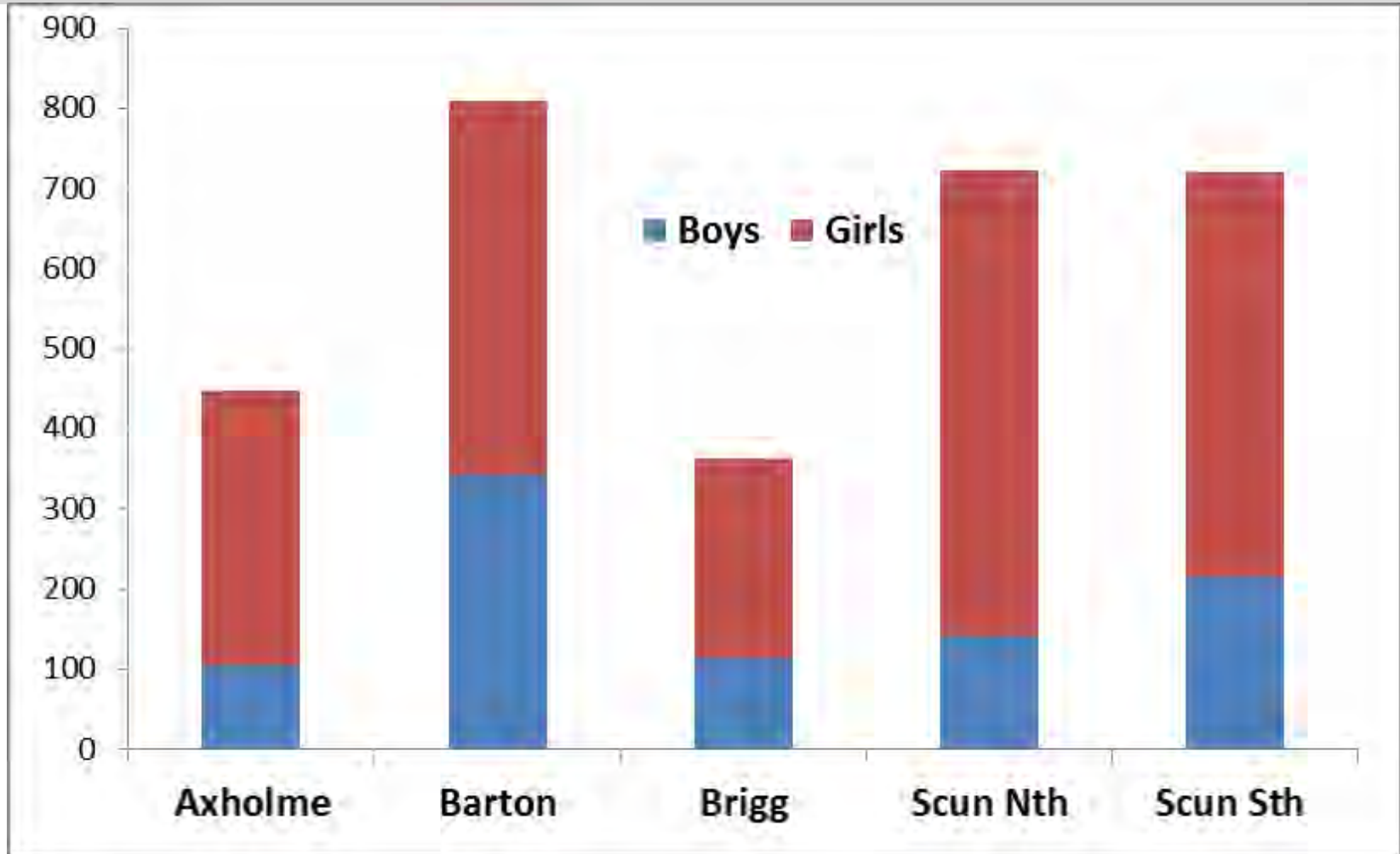


# High take up of SHS by <18s

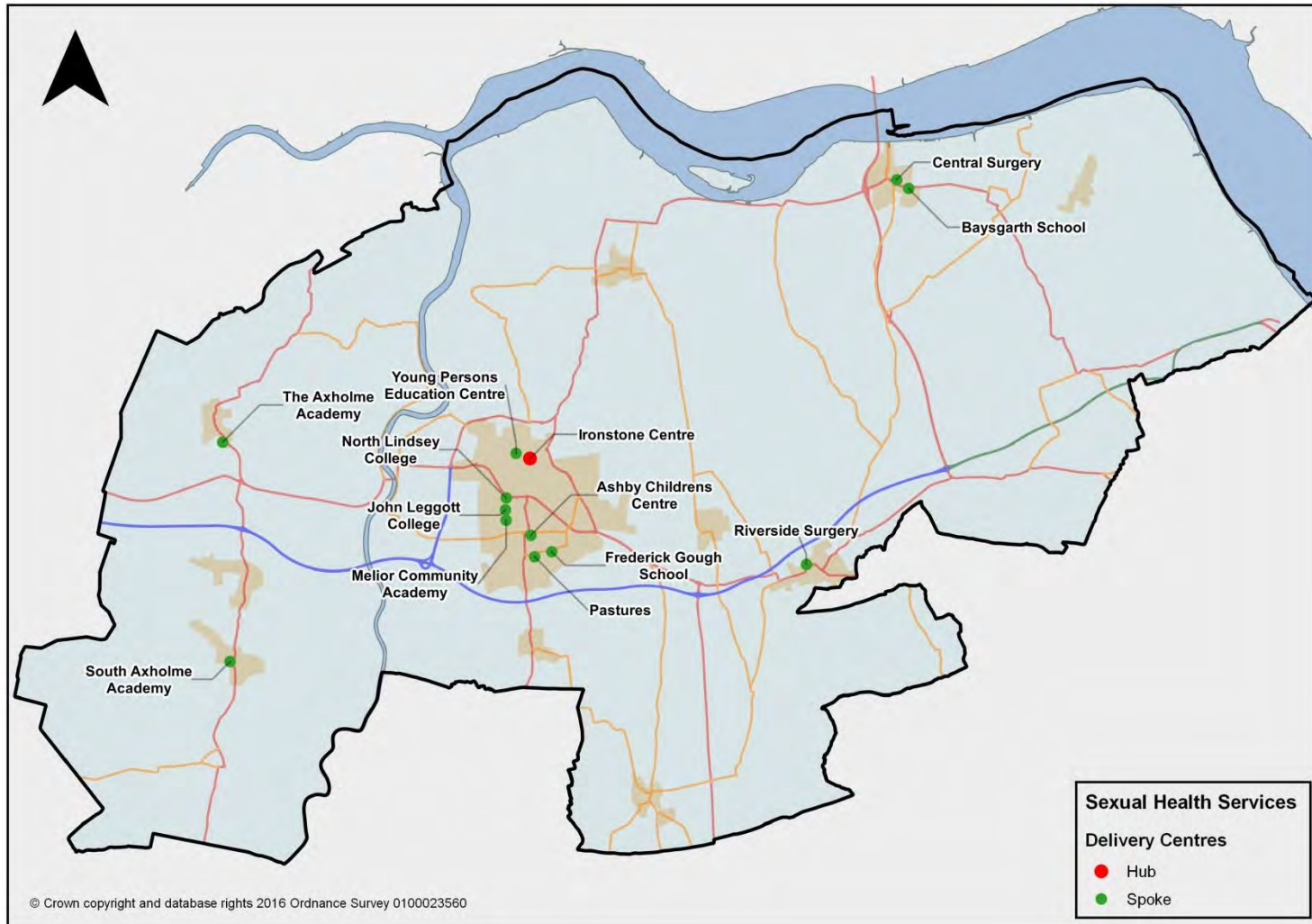
- Well targeted with high take up of O/R
- But...
- Significant gender gap
- Scunthorpe North locality area of highest 'risk'
- No school based outreach service in this area



# Take up of SHS <18s ( rate per 1,000)



# Hub and spoke model



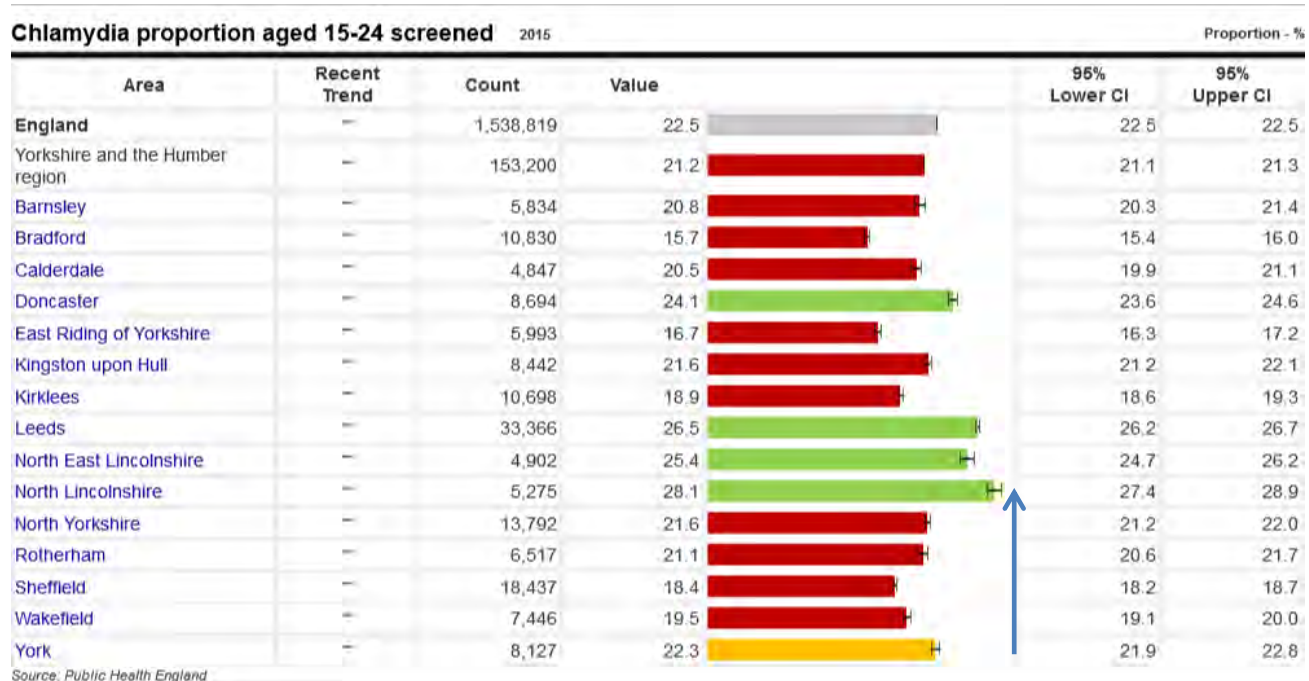
# Where are people accessing services?

	Ironstone Centre	Barton/ Brigg Surgeries	Schools/ Colleges	Ashby CC	Chlamydia Outreach
MSM	77%	9%	13%	-	-
<18s	35%	6%	51%	2%	6%
18-24s	71%	4%	5%	5%	14%
25+	73%	4%	-	<1%	23%

- Increase in take up of SHS by <18 MSM in schools/colleges since 2014/15

# High take up of screening

- Chlamydia screening <25s well above average
- Highest in region and in CIPFA group



# High detection rate <25s

Chlamydia detection rate / 100,000 aged 15-24 (PHOF indicator 3.02) 2015

2015

Crude rate - per 100,000

Area	Recent Trend	Count	Value		95% Lower CI	95% Upper CI
England	-	129,022	1,887		1,877	1,897
Yorkshire and the Humber region	-	14,657	2,031		1,999	2,065
Barnsley	-	491	1,752		1,600	1,914
Bradford	-	956	1,385		1,299	1,476
Calderdale	-	528	2,230		2,044	2,429
Doncaster	-	920	2,549		2,388	2,720
East Riding of Yorkshire	-	752	2,100		1,953	2,257
Kingston upon Hull	-	1,109	2,841		2,676	3,014
Kirklees	-	1,148	2,031		1,916	2,152
Leeds	-	3,070	2,433		2,348	2,521
North East Lincolnshire	-	519	2,694		2,467	2,936
North Lincolnshire	-	637	3,393		3,135	3,668
North Yorkshire	-	1,023	1,602		1,505	1,703
Rotherham	-	536	1,738		1,594	1,892
Sheffield	-	1,584	1,583		1,506	1,663
Wakefield	-	852	2,236		2,088	2,391
York	-	532	1,462		1,341	1,592



Source: Public Health England

# High detection rate amongst 25+

Chlamydia diagnostic rate / 100,000 aged 25+ 2015

Crude rate - per 100,000

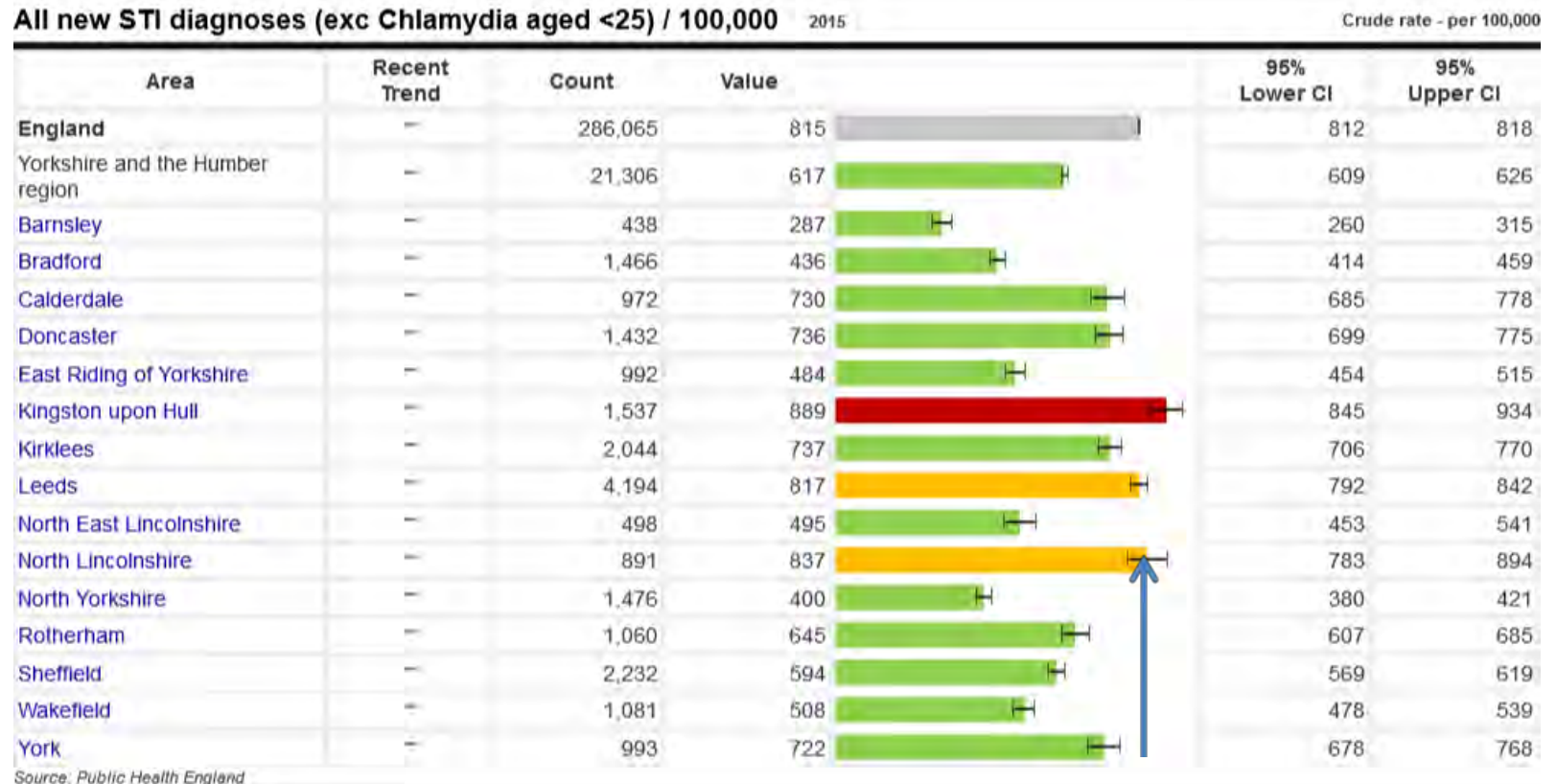
Area	Count	Value	95% Lower CI	95% Upper CI
England	67,563	179	177	180
Yorkshire and the Humber region	5,605	152	148	156
Barnsley	194	115	99	132
Bradford	475	139	127	152
Calderdale	215	147	128	169
Doncaster	373	174	157	193
East Riding of Yorkshire	224	90	78	102
Kingston upon Hull	353	205	184	228
Kirklees	467	160	146	175
Leeds	1,078	214	201	227
North East Lincolnshire	186	166	143	192
North Lincolnshire	272	225	199	253
North Yorkshire	404	91	83	101
Rotherham	202	111	96	127
Sheffield	657	182	168	196
Wakefield	348	148	133	164
York	147	107	90	125

Source: Public Health England

30% chlamydia diagnoses in North Lincolnshire are people aged 25+



# Low incidence of (other) STIs

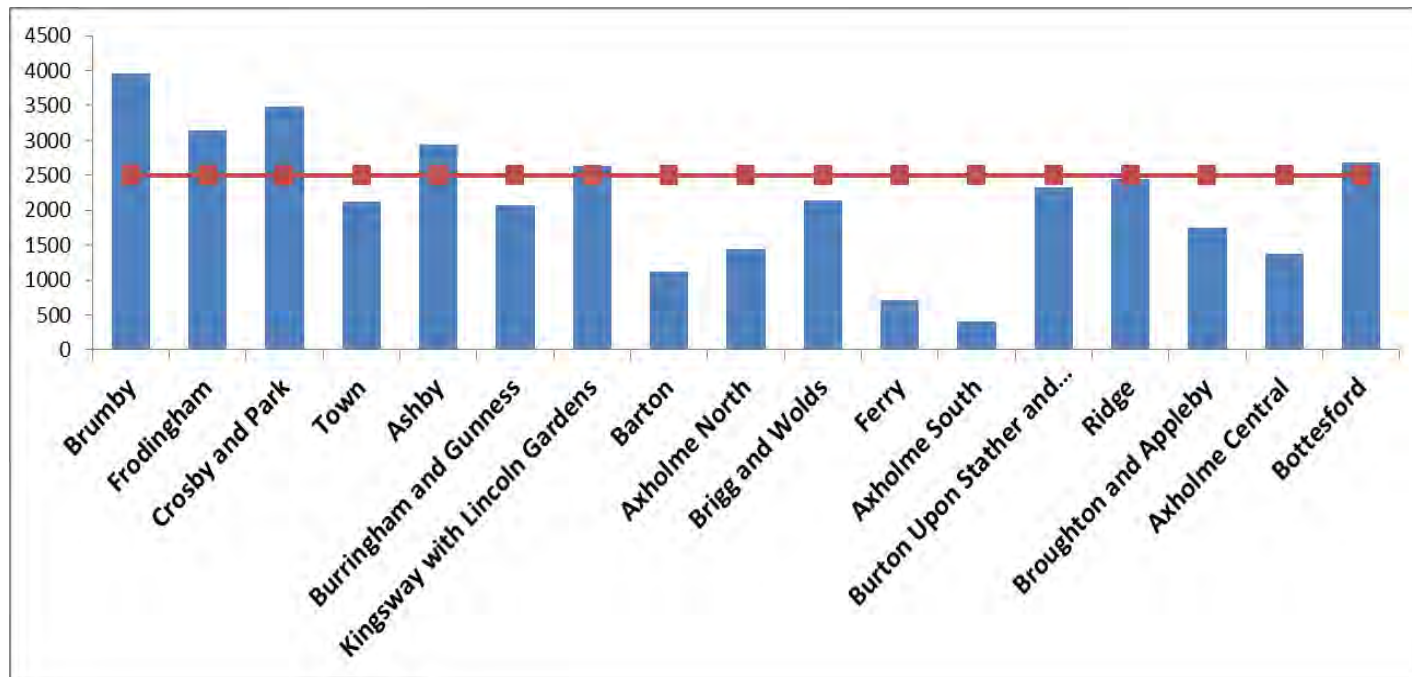


**Although recent rise in genital warts diagnoses raised local STI rate in 2015**

# Chlamydia screens <25s well targeted

Detection rates highest in most deprived wards

Still some work to do in some of our rural areas



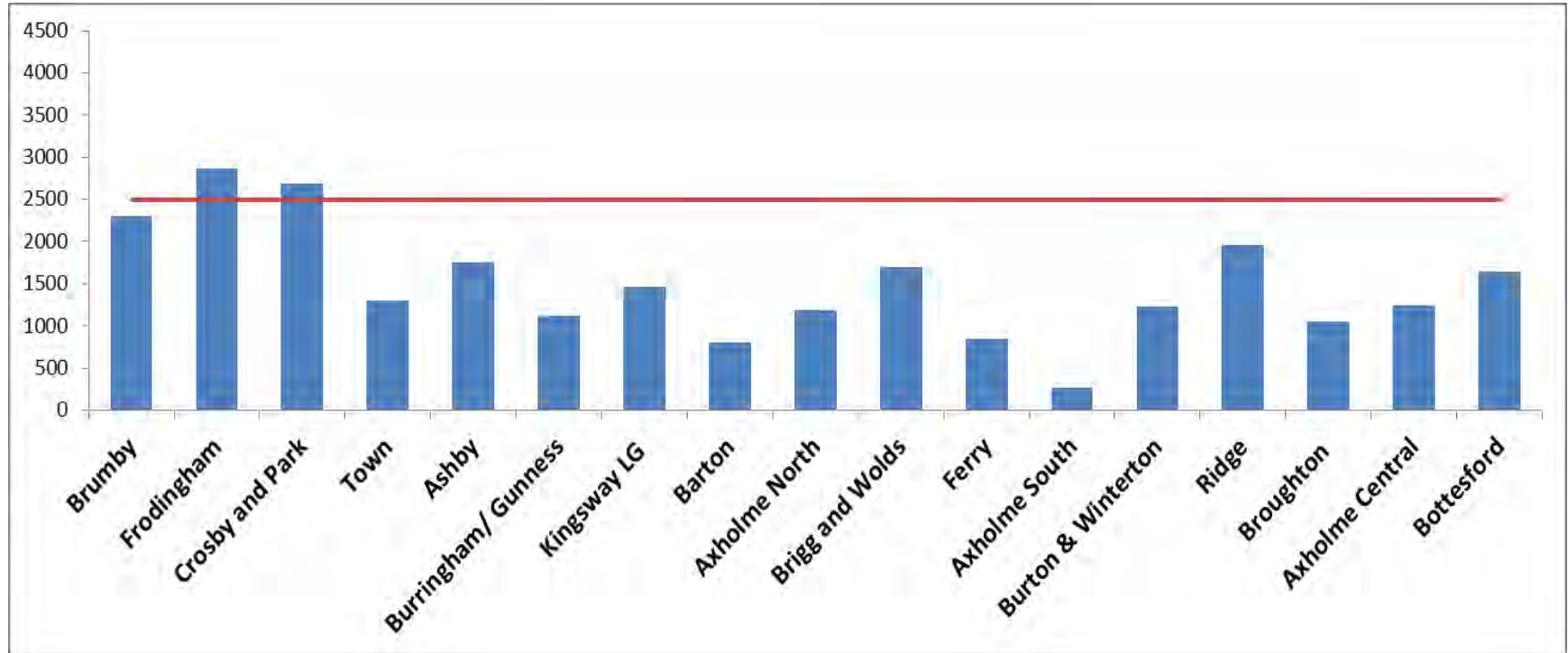


# Chlamydia coverage/detection remains low for men

<25 yrs male coverage	= 10%
<25 yrs female coverage	= 54%
<25 yrs male detection rate	= 2,165
<25 yrs female detection rate	= 4,717

Suggests potentially high levels of undetected disease in young men

# Male <25 detection rates lower but also well targeted



# MSM under represented in services

- An estimated 2.5% adult males MSM (1330)
- In 2015/16, only 75 MSM used SHS in N Lincs
- Only 1.6% of SHS contacts with MSM
- Not clear where majority N Lincs MSM access services or how to reach them effectively
- No specific MSM services in N Lincs

# MSM overrepresented amongst people with STIs

- 75% of new cases of diagnosed syphilis
- 30% people affected by HIV
- 33% new cases of gonorrhoea
- 17% chlamydia
- 11% genital herpes
- 8% genital warts

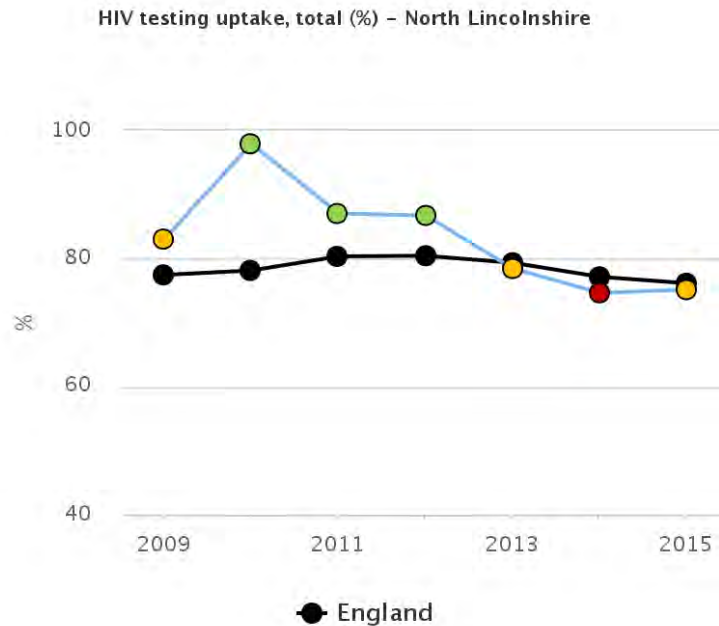
# MSM update

Local survey of professional stakeholders (2015):

- College drop in clinics successful picking up younger MSM
- Continuing stigma re MSM accessing services
- Wider health needs of MSM incl. mental health and substance misuse needs, alcohol & drugs not adequately covered
- Support for O/R service to engage with local MSM
- Intelligence gap on MSM perceptions of services

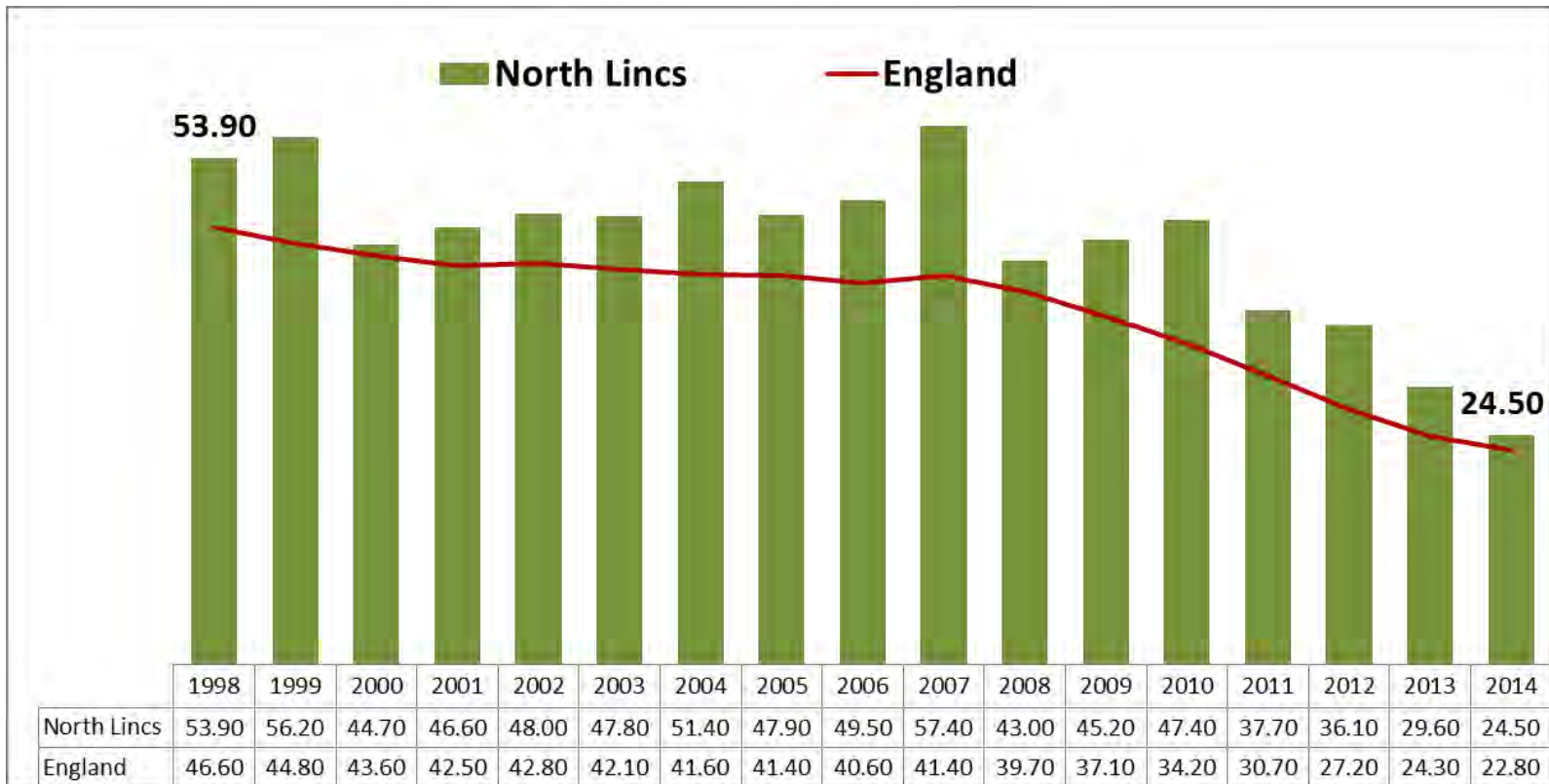
# Uptake HIV screening < average

- <2 per 1000, so below threshold for routine HIV testing in secondary care
- Uptake in HIV testing fallen in all groups (exc MSM where it has remained stable)



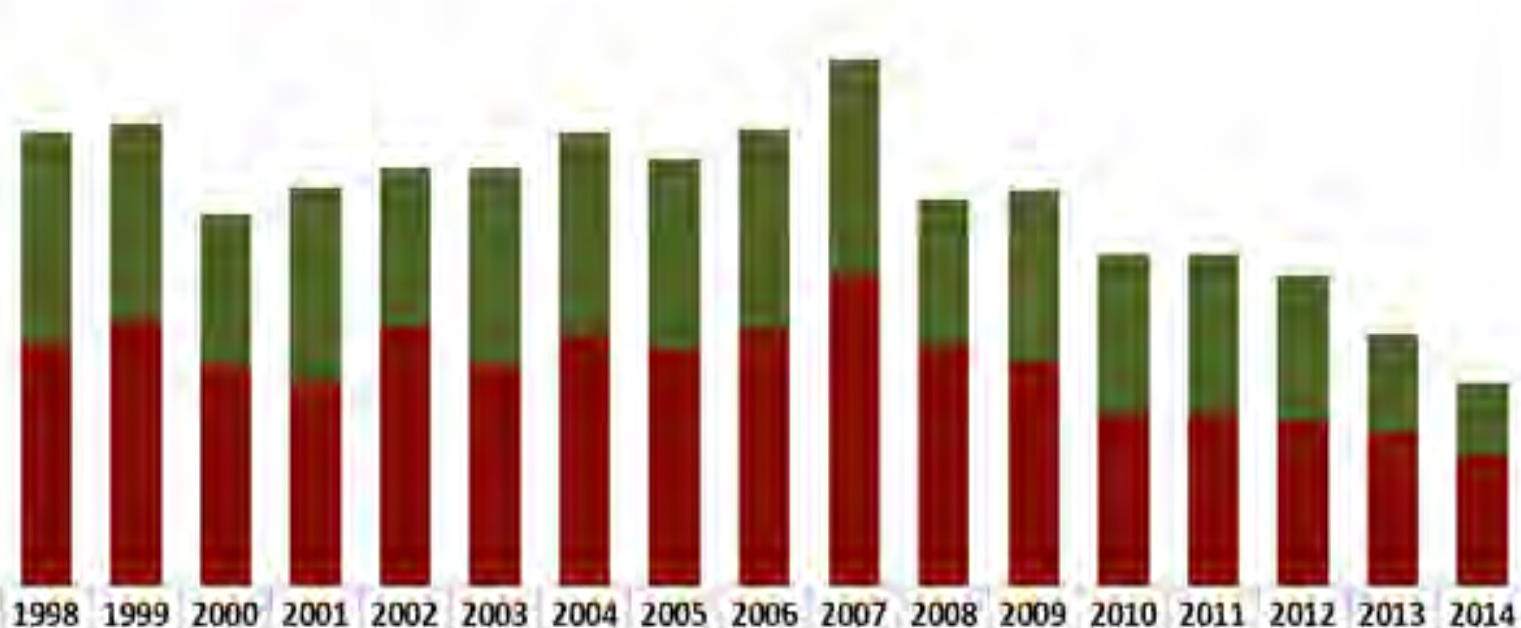
# Falling teen conceptions

- 47% reduction since 1998
- Sustained fall since 2010 and maintained to 2015



# <18 terminations fall faster than deliveries

■ Teen maternities ■ Terminations

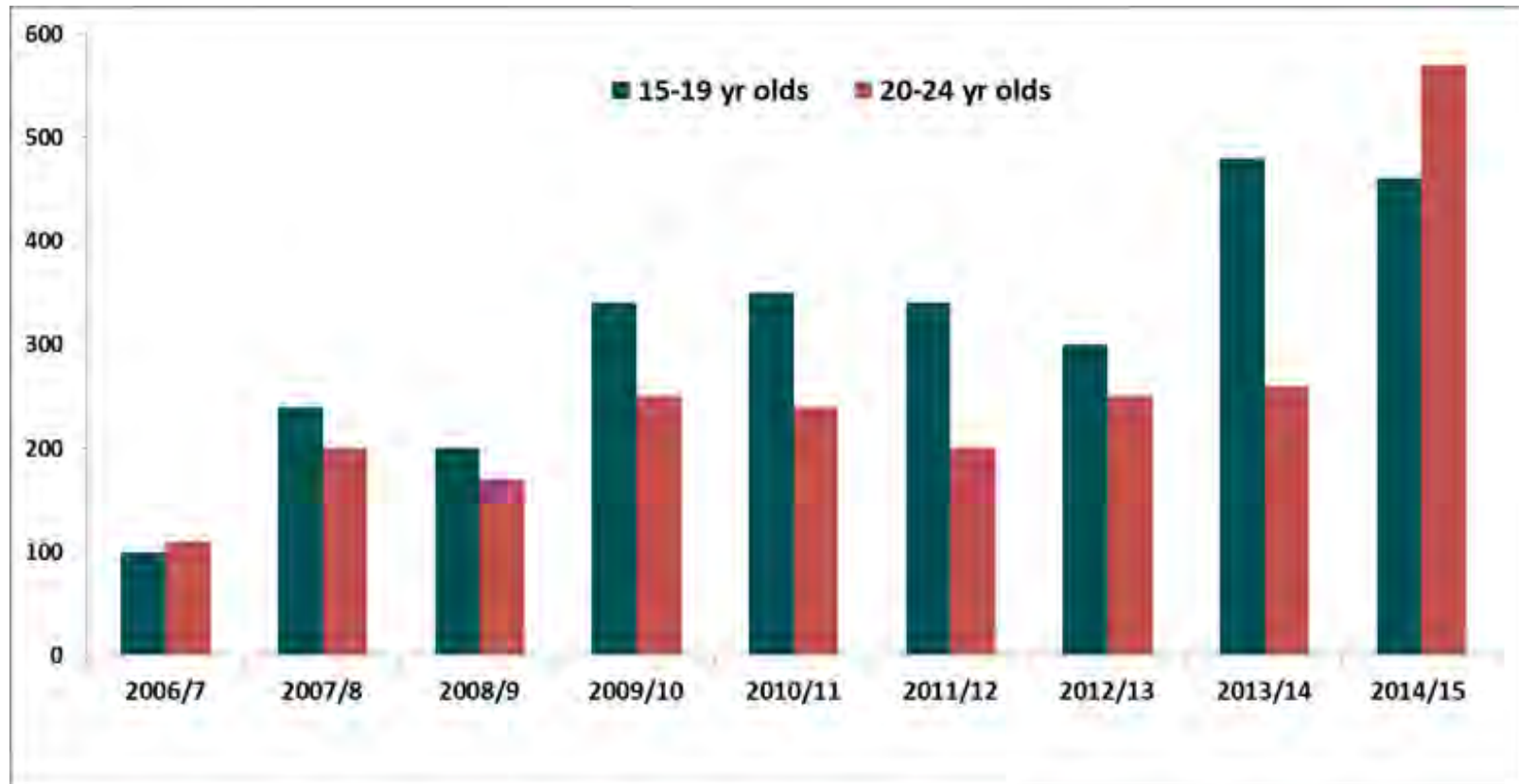


	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Terminations	72	68	52	66	55	68	69	65	69	74	50	59	54	54	50	34	25
Teen maternities	84	91	76	71	89	76	87	82	88	107	83	77	60	60	57	53	45



# LARC uptake

- LARC uptake risen amongst <25s



# Terminations

- Lower abortion rates than average and falling
- Rates fallen fastest in younger age groups
- Repeat abortions also fallen, (especially for under 25s) (25%)
- But not fallen as fast as 1<sup>st</sup> abortions
- Need to ensure that women with previous abortions are appropriately targeted for contraceptive services.

# Local themes & challenges

- Low risk area overall with pockets of high need
- High sexual health literacy amongst under 18s
- Hub and spoke model working well with teens
- Chlamydia screening/detection exceeds targets
- Some high risk groups underrepresented in SHS
  - Under 25 males
  - MSM
- Population of < 25s and CBA women not projected to grow
- But lengthening time will be spent avoiding pregnancy
- Awareness raising of STIs amongst growing 50+?
- 7% of all new STIs ( excl chlamydia) 50+