NATIONAL MULTI-STAKEHOLDER PRODUCED STANDARDS FOR HIV PARTNER NOTIFICATION IMPROVE OUTCOMES

AK Sullivan

on behalf of BASHH National Audit Group

BASHH

British HIV Association
BHIVA

SSHA
Society of Sexual Health Advisers

TRANSFORMING THE UK'S RESPONSE TO HIV
NAT

Objective

To improve HIV partner notification (PN) by the introduction of national standards

To test definitions and standard values

Methods

2012 BASHH statement on partner notification for sexually transmissable infections

2013 BASHH BHIVA audit on 2011 diagnoses: recommendations

2015 BASHH BHIVA SSHA NAT standards for HIV partner notification

2018 BASSH audit on 2016/17 diagnoses

Methods: Audits

Site survey and case note review

UK Sexual Health clinics and in 2013 HIV services

Include 40 individuals newly diagnosed at least 12 months prior to audit date

Data: demographics
        dates of relevant events
        details of contacts –contactable status, HIV status if known, testing behaviour and result if not

Development of HIV PN Standards

Scope developed by initial writing group (WG)

Stakeholder Day (SH) – definitions, outcomes and standards

Draft document produced

Review by SH and WG (emails and meetings)

Draft revised

Pilot study –tested in 9 clinics, detailed evaluation

Draft revised

Presented at BASHH Spring Meeting for comment

Final document produced

Definitions

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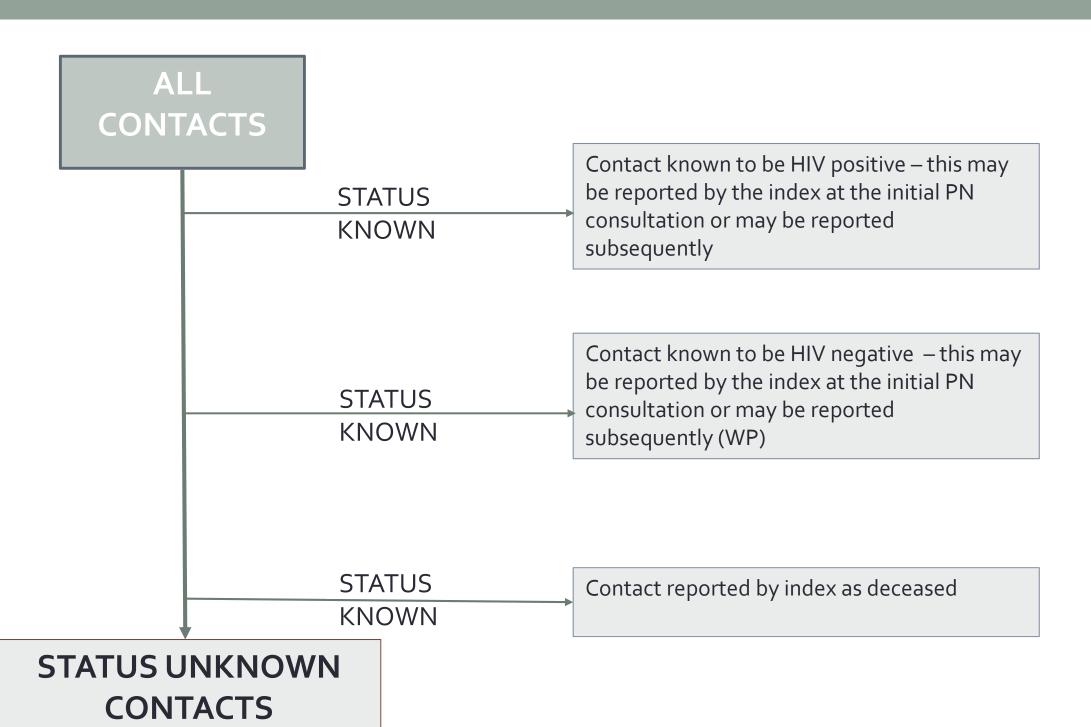
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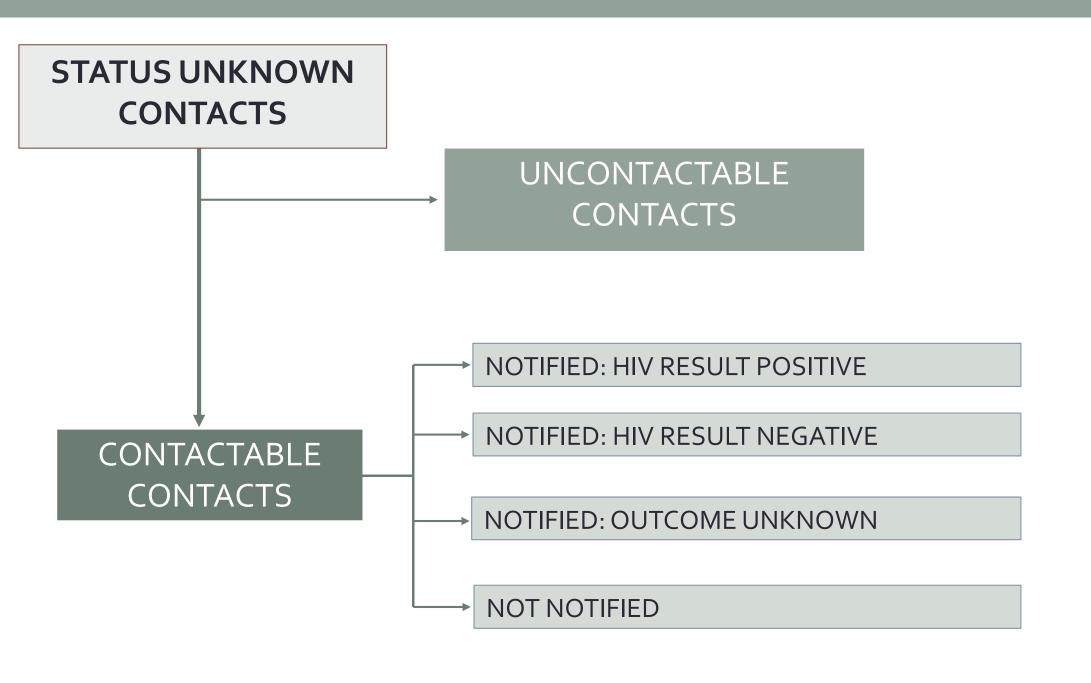
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     a) uncontactable

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     a) uncontactable

     b) contactable

          - means of contact available

          - enough information to enable them to be 'found' e.g. through past attendance at a sexual health service

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ALL
CONTACTS ─────────────────────── STATUS ──────────→ Contact known to be HIV positive – this may
                                  KNOWN               be reported by the index at the initial PN
                                                       consultation or may be reported
                                                       subsequently

                                  STATUS ──────────→ Contact known to be HIV negative – this may
                                  KNOWN               be reported by the index at the initial PN
                                                       consultation or may be reported
                                                       subsequently (WP)

                                  STATUS ──────────→ Contact reported by index as deceased
                                  KNOWN

STATUS UNKNOWN
CONTACTS
```

Primary Outcomes and Standards

Outcome	Definition	Calculation of the outcome	Standard to be achieved	Time point at which outcome is measured
1	Number of contacts tested per total number of index cases			

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Primary Outcomes and Standards

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1	Number of contacts tested per total number of index cases	Number who know their status + number who test/total *Number of status-known contacts + number of status-unknown contacts tested /total number of index cases*	0.6 HCP verified 0.8 Index reported or HCP verified	3 months *continue PN up to M12 if not resolved and repeat as indicated*

Primary Outcomes and Standards

Outcome	Definition	Calculation of the outcome	Standard to be achieved	Time point at which outcome is measured
2	Proportion of contactable partners tested			2

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Primary Outcomes and Standards

Outcome	Definition	Calculation of the outcome	Standard to be achieved	Time point at which outcome is measured
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Primary Outcomes and Standards

Outcome	Definition	Calculation of the outcome	Standard to be achieved	Time point at which outcome is measured
2	Proportion of contactable partners tested	Number who know their status + number who test/number who know their status + number of contacts who are contactable *Number of status-known contacts + contactable status-unknown contacts tested / total number of status-known contacts + contactable status-unknown contacts*	65% HCP verified 85% Index reported or HCP verified	3 months *continue PN up to M12 if not resolved and repeat as indicated*

Other standards and outcomes

Standard 3

Proportion of indexes with documented PN plan

Activity, case mix and clinically important timelines

Proportion of index cases with documented PEP assessment

Number of contacts notified per total number of index cases

Proportion of contacts who are uncontactable

Results

	2015 Standard	2013 Audit	2018 Audit
Number of audited cases		2964	2755
Outcome 1: Contacts tested per index case			
Verified	0.60	0.45	0.90
Reported or verified	0.8	0.64	1.03
Outcome 2: Proportion of contactable contacts tested (%)			
Verified	65	~53	63.6 71: heterosexuals
Reported or verified	85	~75	72.8
Outcome 3: Index cases with a documented plan within 4 weeks of diagnosis (%)	97	NA	80.4 93.5 including where PN resolved
Outcome 4: Index cases with documented PN discussion at diagnosis to identify PEP eligible contacts	97	NA	69.3

Results

	2013	2018
Number of audited cases	2964	2755
HIV positivity in contacts	20.9%	18.2%
Number of index cases per new contact diagnosis	10.0	15.3

Audit recommendations 2018

Revise and update HIV PN standards to clarify definitions further

Consider developing a pro-forma/template for consistent recording

Audit recommendations 2018

Outcome 3: Index cases with a documented PN plan within 4 weeks of diagnosis *or PN fully resolved by this time point*

Outcome 4: Index cases with documented PN discussion at diagnosis to identify risk contact within previous 72 hours and refer partners potentially eligible for PEP *or documented evidence of no need*

BASHH HIV PN CALCULATOR

Welcome to the BASHH online calculator for HIV PN standards

Introduction	+

Terms and Definitions	+

Calculator

By entering data into the web form below, you will be able to calculate your clinic's performance against the four standards. The standards will calculate as you enter data into the web form, but for the purposes of audit, we recommend that you enter the PN processes for no fewer than 20 index cases at a time.

When you have finished, hit the EXPAND (✕) icon and then PRINT (🖨) to generate your clinic report.

⇅	👤	👤	👥	📞	👤	⚕	☑	📅	📊	🥧	📊	🥧	PN	PEP
1.							☐	☐						

Outcome Standards (Overall)	⊕

Standards will not be calculated until a minimum of ten index cases are entered.

RAG RATING

The standards are rated using the RAG rating system below:

GREEN = Standard achieved

AMBER = Within 10% of achieving standard

RED = Failing standard by >10%

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By entering data into the web form below, you will be able to calculate your ~~...~~ standards will calculate as you enter data into the web form, but for the purposes of audit, we recommend that you enter the P~~...~~ me.

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Standard 1 (including index case report)

Number of status-known contacts + number of contactable status-unknown contacts who are tested, per index case

	👤	👤	👥	📞	🧍	🫁	☑	🗓	📊	🥧	📊	🥧	PN	PEP	
1.	10	2	8	8	2	1	✓	✓							⊖
2.	1	1	1	1	0	1	☐	✓							⊖
3.	100	0	99	2	2	0	✓	☐							⊖
4.	2	2	0	0	0	0	☐	✓							⊖
5.	1	0	1	1	0	0	☐	☐							⊖
6.	2	1	1	1	0	1	☐	✓							⊖
7.	8	2	6	6	2	4	✓	✓							⊖
8.	40	0	40	8	1	3	✓	✓							⊖
9.	1	0	1	1	1		✓	✓							⊖
10.							☐	☐							⊖
Outcome Standards (Overall)									2.50	60%	1.80	44%	50%	70%	⊕

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Conclusions

HIV PN is effective in diagnosing new cases of HIV

HIV PN outcomes improved after the introduction of national standards agreed by multiple stakeholders

Definitions and standards values performed well; minor adjustments are required

Acknowledgments

Standards' Authors