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医薬品 研究報告 調査報告書

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一般的名称		(製造承認書に記載なし)			Lara Payne, Torsten Berglund, 公表国 Lisbeth Henriksson, Ingela		
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	○スウェーデンに 1999年以来、スウ 2004年は前年比7	使用上の注意記載状況・ その他参考事項等 合成血「日赤」					
研究報告の概要	ストックホルム郡でわずか24例(38%市内で感染、3例にれていない。ストックホルム郡がた。後者は海外のは、海外では、3の間を強いない。の調査では、3つの調査では、3つの調査では、3つの調査では、3つの調査では、3つの調査では、3つの調査では、3つの調査では、3つの調査では、3つの場所を表している。3つのの表している。3つの表している。3つの表している。3つの表している。3つの表している。3つの表している。3つの表している。3つのの表している。3つの表している。3つの表している。3つの表している。3つの表している。3つのの表している。3つのの表している。3つのの表している。3つのの表している。3つのの表している。3つのの表している。3つのの表している。3つのの表している。3つののの表している。3つのの表している。3つのの表している。3つのの表している。3つのの表している。3つのの表している。3つのの表している。3つのののの表している。3つののののののののののではないる。3つのののののではないる。3つのののではないる。3つのではないる。3つのではないるないる。3つのではないないる。3つのではないないないないる。3つのではないないないないないる。3つのではないないる。3つのではないないないる。3つのではないないないな	がった。郡内の症代は感染経路不明であ 依然としてMSM間の の感染が多く、スウェ よそ30%がHIVに 染例の割合は、感 し入国後に診断され	こ対し、郡外(n=64)では 内、46例はストックホル、 例は感染経路は報告さ トの報告の方が多かっ ストックホルム郡のMSN 感染後期に診断された 間診断、追跡調査、治療	照射合成血「日赤」 血液を介するウイルス、 細菌、原虫等の感染 vCJD等の伝播のリスク			
報告企業の意見				今後の対応			
,	ニーデンにおける梅 つ男性(MSM)の間			今後も引き続き、新興・P 集に努める。	写興感染症の発生状	況等に関する情報の収	

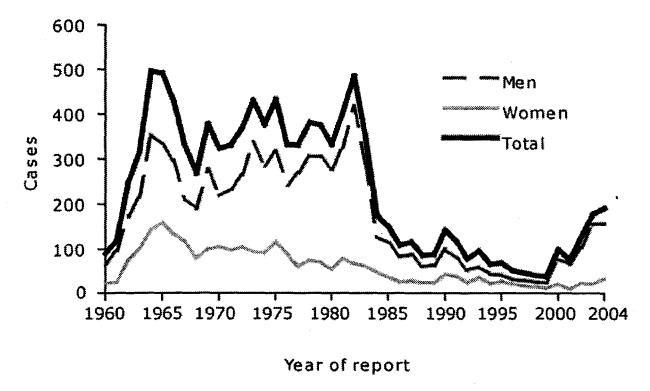
Re-emergence of syphilis in Sweden: results from a surveillance study for 2004

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Since 1999, the annual number of syphilis cases has risen in Sweden due mainly to an outbreak among men having sex with men (MSM) [1].

A 7% increase on the previous year was observed in 2004, with 192 cases - the highest number of annual notifications since the mid-1980s (Figure 1). The majority of infections were reported to have been acquired through sex between men (60%, 101 /169), with 38% of infections acquired heterosexually. Nearly a half (n=97) of all notifications were reported in Stockholm County (which includes city of Stockholm).

Figure 1. Number of syphilis cases reported by year, Sweden 1960-2004



To gain a better understanding of the epidemiology of reported cases, syphilis statutory notifications in Sweden in 2004 were reviewed. Notifying physicians were sent a short form requesting confirmation of the original notification details and collecting further information on patient's country of birth, HIV status, syphilis stage at diagnosis, how the partner probably acquired syphilis, place of infection, and any contact tracing undertaken.

For Stockholm County, 91 forms were returned for the 97 cases notified in 2004. Where the patient's country of birth was known (n=72), 60% were born in Sweden. The majority (82%) of cases in Stockholm County were acquired through sex between men, with 80% of patients (n=53/66 reported as having acquired infection in Sweden and 46 cases in the city of Stockholm. For three cases, no infection route was reported. Outside of Stockholm County, epidemiological information was provided for 81 of 89 notifications. Where country of birth was known (n=64), only 24 (38%) were born in Sweden. Two cases were infected through blood products abroad, and infection route was not reported for 17 cases.

The median age of diagnosis was higher among MSM than heterosexuals.

Table. Epidemiology of statutory notified syphilis cases, Sweden 2004

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		Stockholm County (N=91)			Outside Stockholm County			
	_				(N=81)			
Infection	n route	Cases	Information available	%	Cases	Information available	%	
		(n)	(N)		(n)	(N)		
Sex bety	Sex between men		88	82	21	64	33	
Infection Sweden	Infection acquired in Sweden Infection acquired in Stockholm Partner infected in Sweden		66	80	10	21	48	
			46	100	0	7		
			9	*	3	5	*	
Positive H	sitive HIV status		67	31	4	20	20	
	Primary	26	66	39	8	16	50	
	Secondary	16	66	24	5	16	31	
Syphilis stage	Early latent (<2yrs)	19	66	29	3	16	19	
Juge	Late latent (>2yrs)	3	66	5	0	16		
	Tertiary	2	66	3	0	16		
Median a (Range)	ge at diagnosis	40 years (22-76)			44 years (25-68)			
Sex betv women	veen men and	16	88	18	41	64	64	
Infection Sweden	acquired in	10	16	63	6	39	15	
	Infection acquired in Stockholm		8	*	0	6		
Partner ir Sweden	nfected in	4	5	*	3	9	*	
Positive HIV status		0	12		1	33	3	
	Primary	7	16	44	6	23	26	
	Secondary	5	16	31	4	23	17	
Syphilis stage	Early latent (<2yrs)	2	16	13	5	23	22	
otago	Late latent (>2yrs)	2	16	13	7	23	30	
	Tertiary	0	16		1	23	4	
Median aq (Range)	ge at diagnosis	33	3 years (18-61)		34	years (19-58)		

^{*} No percentages given due to small numbers

Contact tracing

For Stockholm County, of the 49 cases with infection acquired in Sweden, 4.35 partners/case were recalled and 57% contacted and tested (for 44 cases). Outside Stockholm, of 12 cases infected in Sweden, 2.25 partners/case were recalled. Of the total 27 partners, 16 were contacted and 5 identified as syphilis positive.

Discussion

In 2004, Stockholm County remained the focus of the syphilis epidemic among MSM, whereas among

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heterosexuals, more cases were reported outside Stockholm County. This latter group mostly acquired their infections abroad with a minority being Swedish born (n=9, 26%). Overall, little information was known about the partner's country of infection.

Concurrent HIV-infection in syphilis-infected MSM has been reported in many European countries [1-6]. Approximately 30% of MSM with syphilis in 2004 also had HIV infection; which is less than the 53% prevalence among infected MSM in London [8]. Percentages of MSM and heterosexuals in Stockholm County identified at the primary stage of infection are however similar to rates reported for London [7]. The later stage syphilis diagnoses in heterosexuals outside of Stockholm County probably reflect infections acquired abroad being diagnosed on arrival to Sweden.

In Sweden, contact tracing is undertaken for all syphilis cases identified. It is also mandatory in Sweden to be tested for a sexually transmitted infection if identified through contact tracing as having been at risk of exposure to some STIs (as listed in Communicable Disease Act 2004) [8]. Results here indicate that for infections acquired in Sweden, over half the sexual partners recalled through partner follow-up were successfully contacted and tested. Those not contacted included partners recalled who are anonymous or living abroad and could not be reached.

In Sweden it is recommended that all pregnant women be offered syphilis and HIV testing [9]. No congenital syphilis cases were reported in 2004. Only one congenital case has been reported in Sweden since 1997.

This review of syphilis cases from 2004 in Sweden echoes similar findings to epidemiological trends identified within other European countries. Prevention programmes, prompt diagnosis, contract tracing and successful treatment, all remain vital to prevent increases in incidence.

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