

Results of a disease awareness programme offering Chinese migrants on-site testing for chronic hepatitis B and C virus infection in five urban areas in the Netherlands

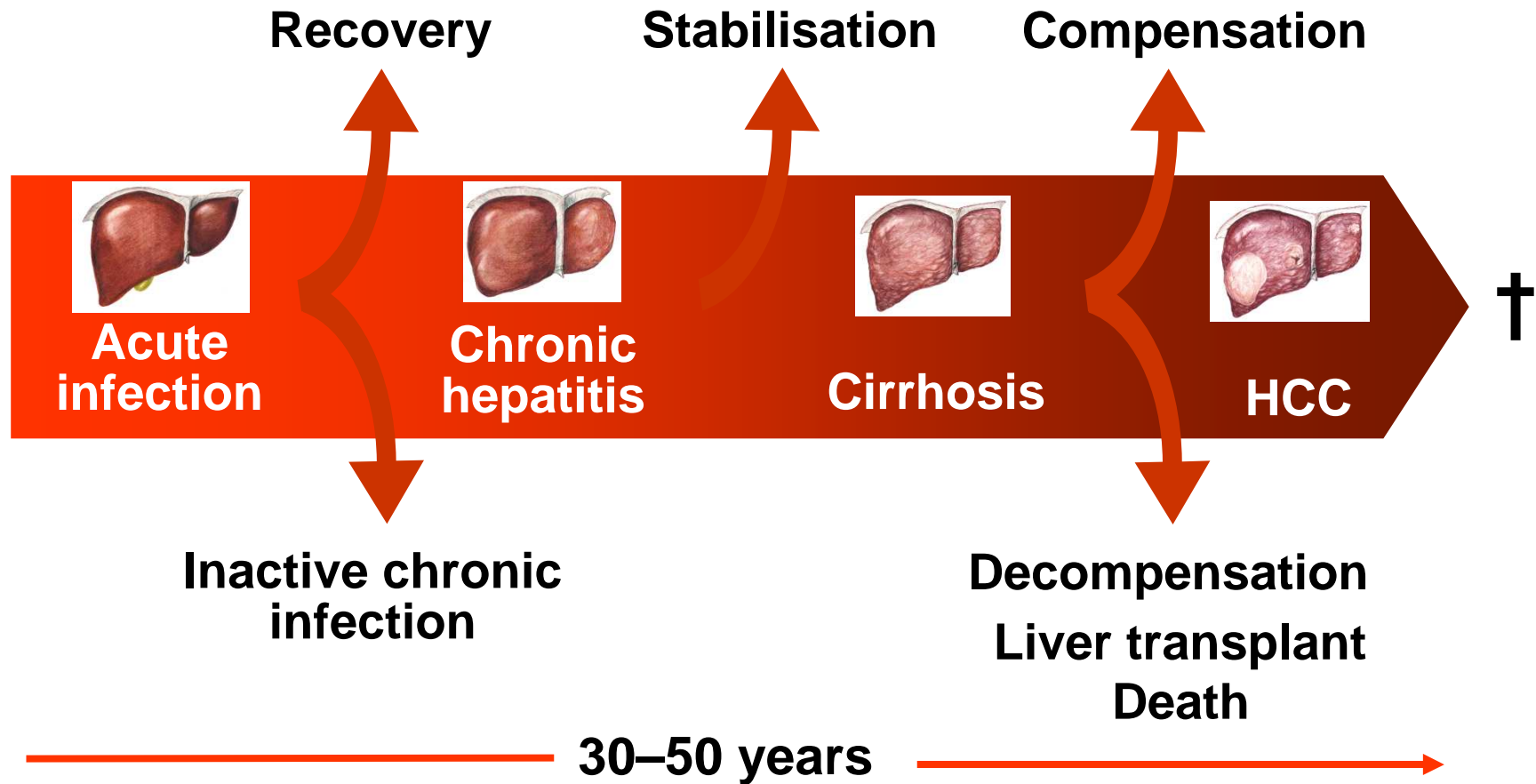
HepHIV 2014 Conference

Barcelona, 6 October 2014

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Natural history of hepatitis B virus infection



Secondary prevention

- Prevent progression of liver disease in people with chronic hepatitis B or C
 - Through treatment with antiviral medication
- ➔ Active identification of patients needed!

Hepatitis screening in the Netherlands

- Screening of **pregnant women** (since 1989)
 - Screening of **contacts** of hepatitis B patients
 - Screening as part of vaccination programme for risk groups (**MSM, drug users**)
 - Project targeting **drug users** (since 2004)
- Goal is mainly primary prevention
- No screening for HBV in the specific risk group of migrants!

“China at the Maas” Hepatitis B campaign with and for Chinese in Rotterdam (2009)

- Erasmus University Medical Center
- Public Health Service Rotterdam-Rijnmond
- Wah Fook Wui
- National Hepatitis Centre



Hepatitis B campaign: Raising awareness in the Chinese community

荷兰华人华侨新春庆
PRETTING CHINEES NIEUWJA

- Many Chinese people are not aware of the risk
- Most people don't know that hepatitis B is treatable
- In general, Chinese don't go to the GP often
“I have time to die, but no time to be ill”

Approach set up campaign (1)

Preparation

1. **Start collaboration with Chinese associations, Public health centre and hospital in the region and National Hepatitis Centre;** *inform and enthuse*
2. **Activation-meeting with key-figures from the Chinese community;** *inform, stimulate and stock taking*
3. **Locations for outreach;** (blood test) (Chinese schools, Chinese associations, Chinese churches)
4. **Folders, posters and website** (zegneetegenhepatitisb.nl)
5. **Publicity in Chinese Newspapers** (China Times, Asian News)

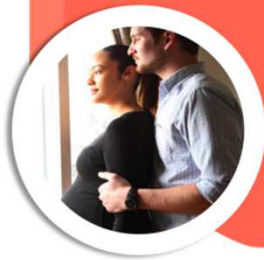
華人活動中心
CHINEES TREFFCENTRUM

STICHTING
WELZIJNSBEHARTIGING
CHINEZEN IN ROTTERDAM
華福會
Wah Fook Wui
WAH FOOK WUI
鹿特丹華人福利促進會

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Zeg nee! Tegen... HEPATITIS B
Bescherm uzelf en uw naasten
對乙型肝炎說不!
保護您自己和您的親人



Laat u nu testen!
Hepatitis B is een overdraagbare leverziekte die ernstige gevolgen kan hebben voor uw gezondheid. Meestal merkt u niet dat u drager van het virus bent.

Meer informatie?:
GGD Gezondheidslijn: 010-433 99 66

請你立刻做檢驗!
乙型肝炎是一種傳染性肝臟疾病，會給你的健康帶來嚴重後果。通常你不會察覺到自己已經成為帶病毒者。

查詢更多資料?
請電衛生局健康專線: 010-433 99 66

www.zegneetegenhepatitisB.nl



De hepatitis B-aandachtscampagne is een initiatief van GGD Rotterdam-Rijnmond, Erasmus MC, Nationaal Hepatitis Centrum, Wfs Fook Wai en de deelnemende bijenmond. Mede mogelijk gemaakt door Bristol Myers Squibb, GlaxoSmithKline, Novartis, Glaxo en Schering-Plough.

乙型肝炎行動推廣計劃由衛生局、Erasmus醫學研究所、國家肝病防治中心、華福堂和荷蘭海峽發展局一並主辦。此項計劃亦由華福堂、葛蘭素史丹、諾華、葛蘭素及施強保資助。

- Poster
- Flyer
- Website

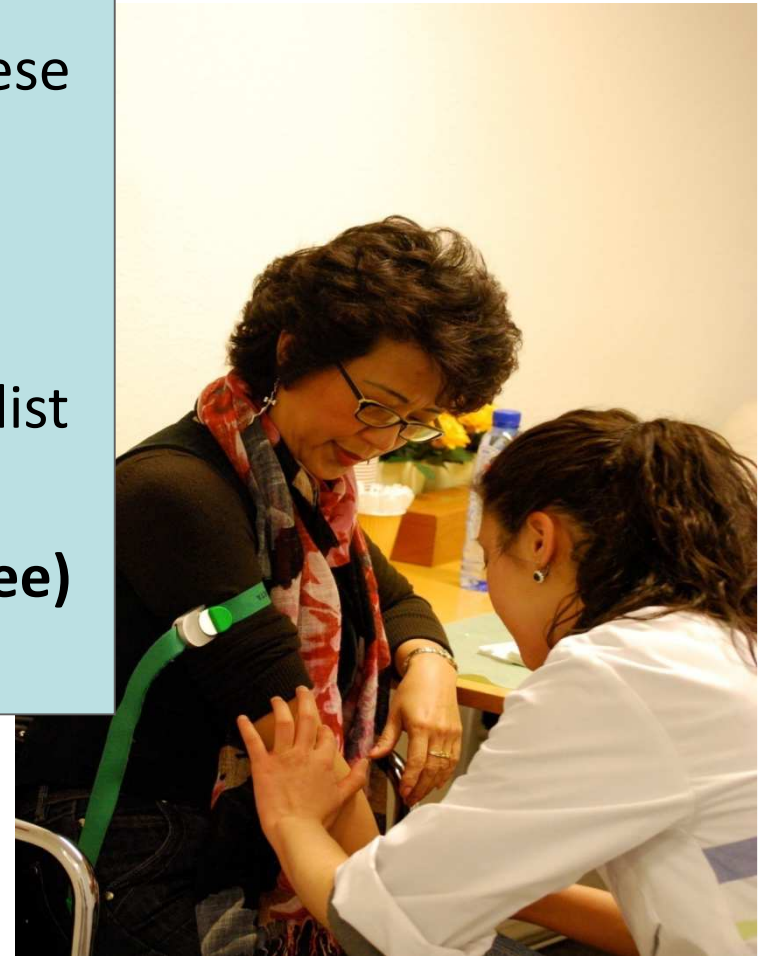


GGD
Rotterdam-Rijnmond

Approach set up campaign (2)

Campaign

1. **Start campaign** at celebration of Chinese New year.
2. Offer free **blood testing at Chinese locations** (during 3-4 months)
3. Infected persons are **referred** to specialist in Erasmus MC
4. Offer **vaccinations (reduced price or free)** at the public health centre



6 Hepatitis campaigns with and for Chinese in the Netherlands



Goal of 'China in the Low Lands' campaigns

- Increase awareness of the risk of Hepatitis B and C
- Offer free hepatitis B and C testing
- Assess the prevalence of HBV and HCV in Chinese migrants
- Linkage to care for hepatitis B and C infected persons
- Contribute to structural hepatitis B/C screening in migrants in the Netherlands

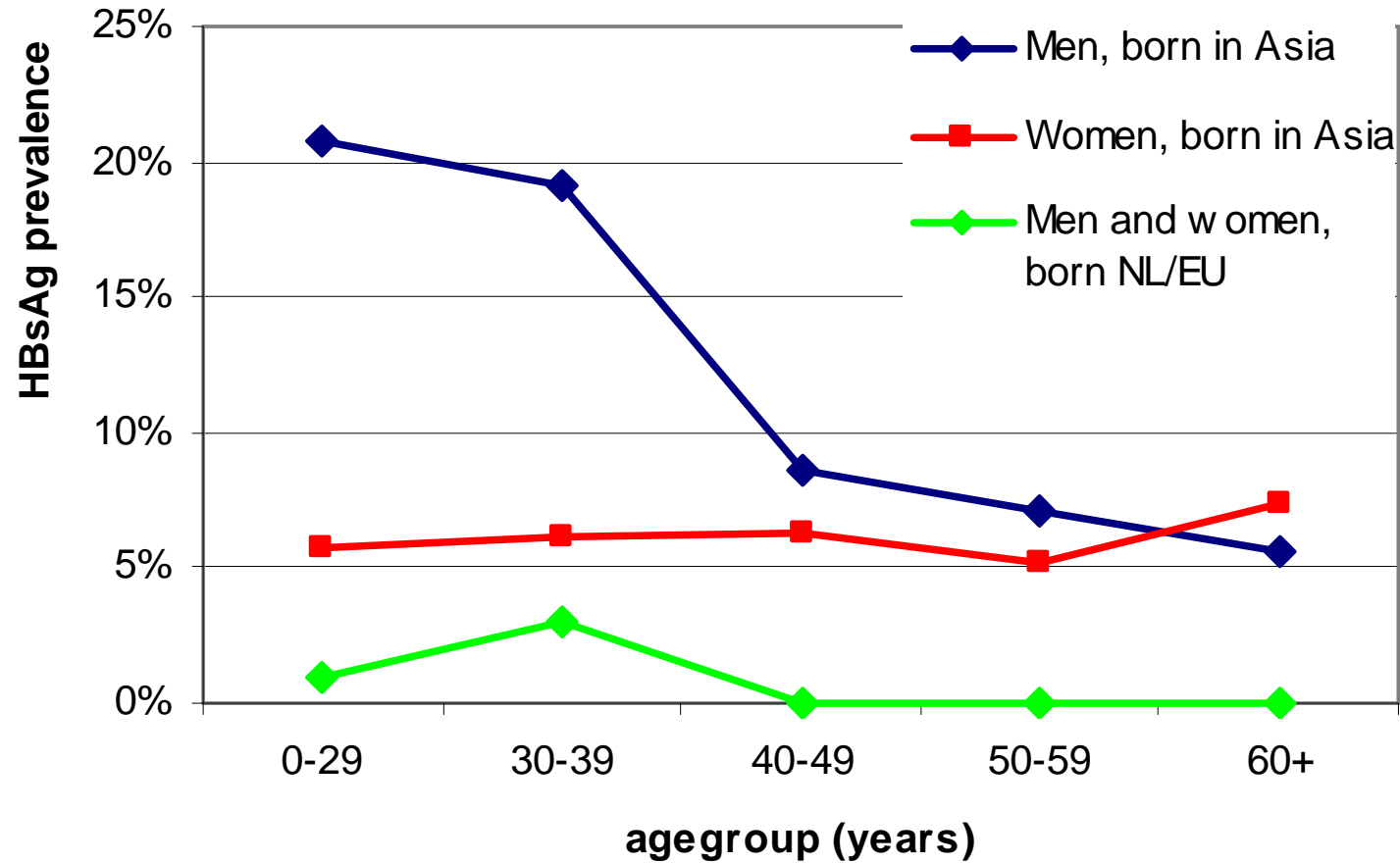
Knowledge pre- and post campaign

Level of education	Pre/Post campaign	Knowledge (# items correct)			
		0-5		6-10	
Low	pre	53	59,6%	36	40,4%
	post	25	43,9%	32	56,1%
		78	53,4%	68	46,6%
Inter-mediate	pre	41	46,6%	47	53,4%
	post	31	40,3%	46	59,7%
		72	43,6%	93	56,4%
High	pre	30	29,7%	71	70,3%
	post	33	25,6%	96	74,4%
		63	27,4%	167	72,6%
Total	pre	124	44,6%	154	55,4%
	post	89	33,8%	174	66,2%
		213	39,4%	328	60,6%

Results of the Hepatitis campaigns in the Chinese community's in the Netherlands 2009-2013

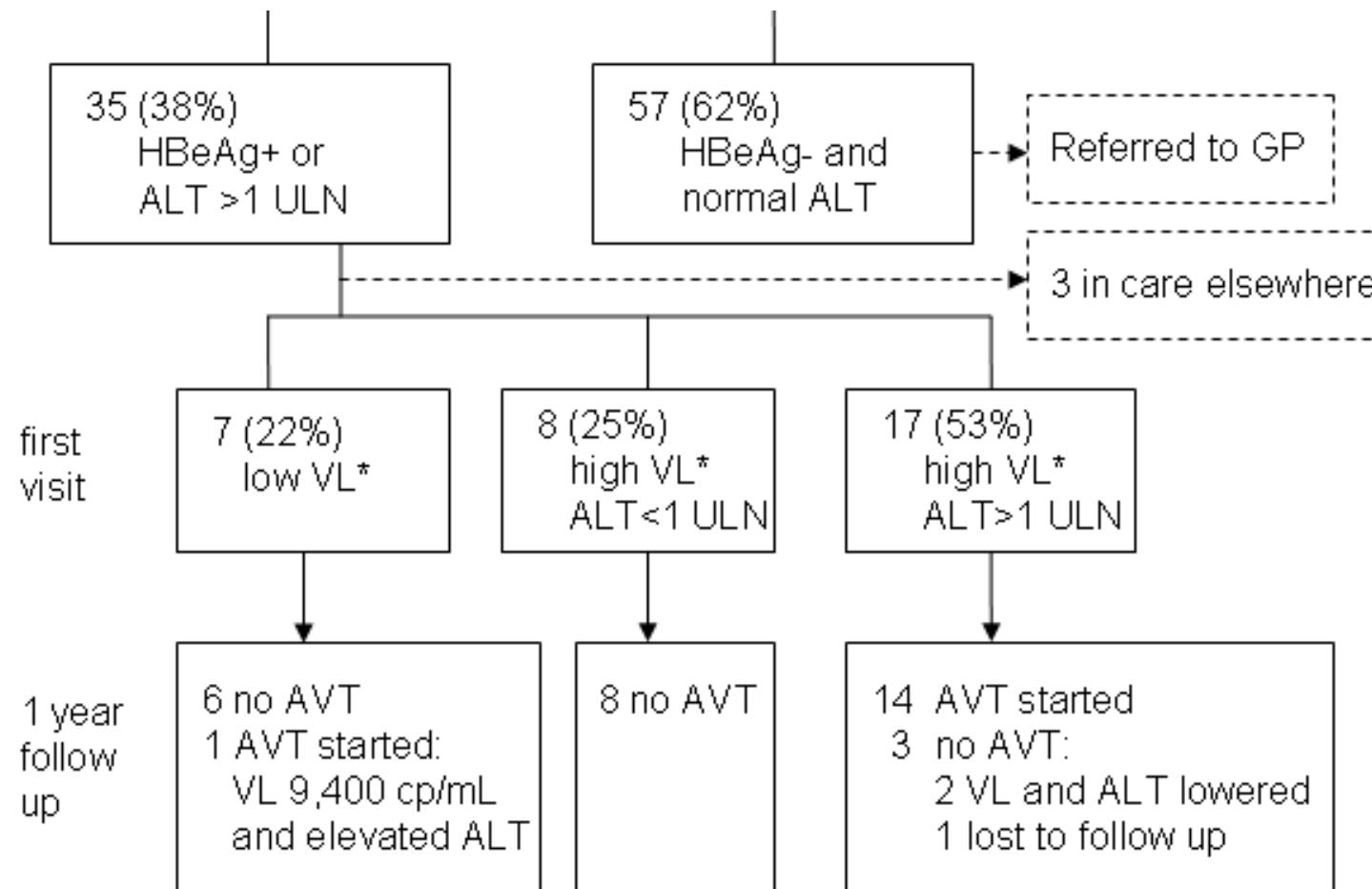
	Rotterdam 2009	Den Haag 2010	Utrecht 2011	Amsterdam 2012	Arnhem/ Nijmegen 2013	Eindhoven 2013	Total
Tested	1090	1296	616	733	747	677	5159
Susceptible	548 (50%)	777 (60%)	366 (60%)	349 (48%)	454 (61%)	371 (55%)	2865 (56%)
HBV positive	92 (8,4%)	65 (5%)	44 (7,1%)	39 (5,3%)	28 (3,7%)	33 (4,9%)	301 (5,8%)
HCV positive	-	-	2 (0,3%)	1 (0,1%)	3 (0,4%)	3 (0,4%)	9 (0,3%)

Chronic hepatitis B by gender and generation



Data Rotterdam and Den Haag

Follow up of 92 chronic hepatitis B patients



Data Rotterdam

Conclusions

- Successful campaigns can be organised in close collaboration with the Chinese community
 - High prevalence of hepatitis B infections (6%)
 - Low prevalence for hepatitis C (0,3%)
 - Referral strategy is successful
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- Dutch Health Council investigates feasibility of hepatitis B/C screening for first generation migrants



Thanks to:

- Project coordinator M Mostert
- GGD Rotterdam R Wolter
- GGD Den Haag CG Dirksen, MPH Berns
- GGD Utrecht C Schout, A van Heerwaarden
- GGD Amsterdam LH Klaufus, WM van der Veldt
- GGD Gelderland-Midden MH Bosschart, M Wouters
- GGD Nijmegen R Koene, C Rijssel
- GGD Eindhoven R van Vlerken, E van Maaren-Heiligers