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# Workstream 3

## Hepatitis literature review

Correlation Network, Amsterdam, 20-21 Feb 2013

**Jeffrey V. Lazarus** [jla@cphiv.dk]  
Professor, Copenhagen University

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# Overview...

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**Why me? Why hep?**

**CHIP, Euroside, Health Systems Global**

**Global Hepatitis Survey**

**WHO and the World Hepatitis Alliance**

**Special issue of *Lancet ID* ?**

**Systematic reviews with EMCDDA, HiE**

## **The workstream: lit review**

# CHIP, Copenhagen University

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- § One of the top-ranked medical research centres in the world, publishing some 40 peer-reviewed articles annually in high-impact journals.
- § Originally a clinical research centre, CHIP now boasts public health and health systems expertise in-house and has undertaken work for a number of UN agencies.
- § It has a global network of collaborators
- § With its own IT and accounting sections, CHIP can efficiently manage all aspects of projects and currently has over 400 active contracts

# Eurosida...

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**CHIP runs clinical trials and cohort studies like START, the largest HIV clinical trial in progress globally.**

## **Eurosida**

**a prospective observational cohort study of 18,295 patients followed in 108 hospitals in 31 European countries plus Israel and Argentina.**

**The main objective of the study is to assess the impact of antiretroviral drugs on the outcome of the general population of HIV-infected patients living in Europe.**

**Initiated in 1994 and continues to expand in multiple ways including the set-up of sub-project of HIV resistance *and hepatitis B and C coinfection.***

**The *new* clinic study will ask about hepatitis issues (like testing, referral and care)**

**Relevance for us: Eurosida as a chapter/article in the reader**

# Health Systems Global

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The first international membership organization fully dedicated to promoting health systems research and knowledge translation.

**VISION** – Globally connected health systems research and policy communities contribute to the improvement of health systems performance for better health, equity and well-being.

**MISSION** – Convene researchers, policy-makers and implementers from around the world to develop the field of health systems research and unleash their collective capacity to create, share and apply knowledge to transform health systems.

*Relevance for us:* Sept 2014 Global Symposium in Cape Town. Take the results to the global level!



**Health Systems Global**  
*Improving performance  
through research and policy*

# HS Global – Website

The screenshot shows a web browser window displaying the Health Systems Global website. The browser's address bar shows the URL [healthsystemsglobal.org/Home.aspx](http://healthsystemsglobal.org/Home.aspx). The website header features the Health Systems Global logo and tagline: "IMPROVING PERFORMANCE THROUGH RESEARCH AND POLICY". A navigation menu includes links for Home, Global Symposium, Thematic Working Groups, Vision & Mission, Membership, About Us, and Login. The main content area contains a text block stating: "Health Systems Global is the first international membership organization fully dedicated to promoting health systems research and knowledge translation. Activities will span three broad areas of work:" followed by a bulleted list: "Creating new knowledge;", "Supporting knowledge translation through a focus on bridging knowledge creation with practical application; and", and "Fostering research on the application of new knowledge in real world settings, i.e., implementation science." Below this is a call to action: "Become a member of Health Systems Global Board elections now underway!". To the right is a photograph of two women in business attire looking at documents. A large blue arrow graphic points from the text towards the photo. Below the photo is a section titled "Call for Proposals to host the Third Global Symposium on Health Systems Research - Deadline 21 Oct. 2012". This section includes a blue header "Second Global Symposium on Health Systems Research", the text "-Inclusion and Innovation Towards Universal Health Coverage Beijing, People's Republic of China" with the URL <http://www.hsr-symposium.org>, and a logo for the Beijing symposium (31 October - 3 November 2012) with the tagline "Inclusion and innovation towards Universal Health Coverage". The footer of the website repeats the navigation menu. The Windows taskbar at the bottom shows several open applications, including Microsoft Office Word, Survey tool, Health System, Ares(2012)1..., Microsoft PowerPoint, Hep strategy..., and Professorship 2011-2012, along with a system tray showing 97% battery and the time 11:40.

Twitter / Find Friends x Health Systems Global > Home x

healthsystemsglobal.org/Home.aspx

Hyperlinks New Tab Imported From IE Antivirus and Spyware Articles Associations Blogs CHIP Children's stuff Communication Conferences Consulting companies Culture

**Health Systems Global**  
IMPROVING PERFORMANCE THROUGH  
RESEARCH AND POLICY

Home Global Symposium Thematic Working Groups Vision & Mission Membership About Us Login

**Health Systems Global is the first international membership organization fully dedicated to promoting health systems research and knowledge translation. Activities will span three broad areas of work:**

- Creating new knowledge;
- Supporting knowledge translation through a focus on bridging knowledge creation with practical application; and
- Fostering research on the application of new knowledge in real world settings, i.e., implementation science.

**Become a member of Health Systems Global Board elections now underway!**

**Call for Proposals to host the Third Global Symposium on Health Systems Research - Deadline 21 Oct. 2012**

**Second Global Symposium on Health Systems Research**

*-Inclusion and Innovation Towards Universal Health Coverage*  
**Beijing, People's Republic of China**  
<http://www.hsr-symposium.org>

**BEIJING • 31 OCTOBER – 3 NOVEMBER 2012**  
Inclusion and innovation towards  
Universal Health Coverage

Health Systems Global will be launched during the opening plenary in Beijing. During the Symposium, side-events will take place including elections for the Board, discussions on thematic working groups, finances and the development of a programme of work for the interim period. Join us on 3 Nov (7.45-9.15am) for the first members' meeting of HS Global and again at 13.30 (in Convention Hall 1) for the official launch with many of the new Board members!

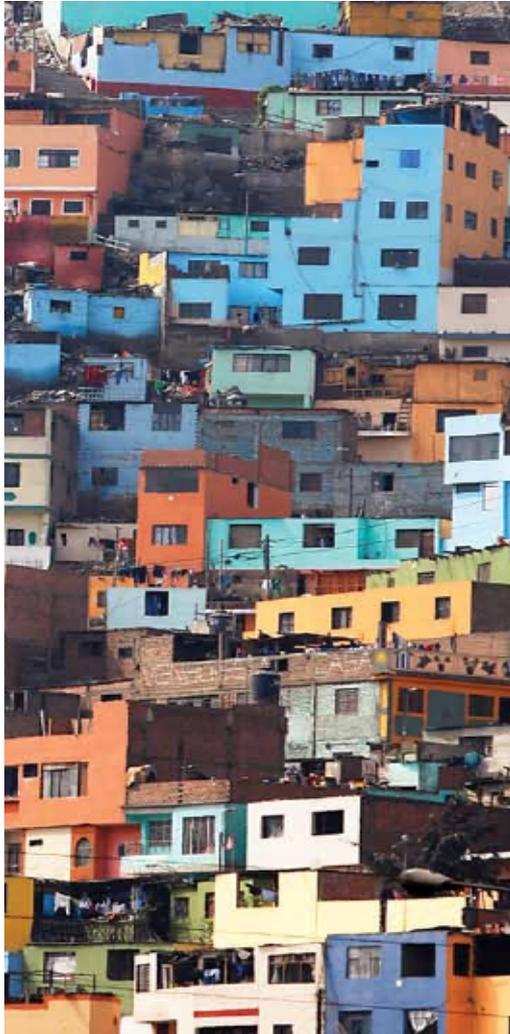
Home | Global Symposium | Thematic Working Groups | Vision & Mission | Membership | About Us | Login

Start 5 Microsoft... Exec Agency... Survey tool f... Health Syst... Ares(2012)1... Microsoft Po... Hep strategy... Professorship 2011-2012 97% 11:40

# HS Global – Twitter (@H\_S\_Global)

The screenshot shows the Twitter profile page for HS Global (@H\_S\_Global). The browser address bar displays the URL [https://twitter.com/H\\_S\\_Global](https://twitter.com/H_S_Global). The profile header includes the HS Global logo, the name "HS Global", the handle "@H\_S\_Global", and a bio: "Health Systems Global is the first international membership organization fully dedicated to promoting health systems research and knowledge translation." Below the bio is the website URL <http://www.healthsystemsglobal.org/>. The profile statistics show 18 tweets, 398 following, and 68 followers. The "Tweets" section lists four recent tweets, each with a timestamp and an "Expand" link. The first tweet is from 19h ago, mentioning "Interested in NCD innovations? Check out healthmarketinnovations.org/blog/2012/oct/... on CHMI's website! #hsglobal". The second tweet is also from 19h ago, mentioning "Dr. Tim Evans confirmed as plenary speaker. Learn more about the dean of BRAC's School of Public Health at sph.bracu.ac.bd/directory/timo.... #hsglobal". The third tweet is from 21h ago, asking "Do you have something you would like us to publicize? Contact us through Facebook facebook.com/healthsystemsg... or twitter to get your message out!". The fourth tweet is from 16 Oct, mentioning "Did you know that the keynote speaker is the Chinese Minister of Health? Check out the list for more information: hsr-symposium.org/index.php/prog...". The fifth tweet is from 15 Oct, mentioning "For those of you who haven't yet seen the Lancet's UHC series...". The left sidebar contains navigation links for "Tweets", "Following", "Followers", "Favorites", and "Lists", along with a "Similar to you" section featuring "PatientsLikeMe @patientslikeme", "Piya Hanvoravongchai @PiyaHan", and "AFGH @AFGHnetwork". The bottom of the screenshot shows the Windows taskbar with various open applications and a system tray displaying the time as 11:46.

# Millennium Development Goals



1. Eradicate extreme poverty and hunger
2. Achieve universal primary education
3. Promote gender equality and empower women
4. Reduce child mortality
5. Improve maternal health
6. Combat HIV/AIDS, malaria and other diseases
7. Ensure environmental sustainability
8. Develop a global partnership for development

Where is hepatitis?

# Responding to Viral Hepatitis: The World Health Organization/World Hepatitis Alliance 2012 Survey of National Governments

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## *Viral Hepatitis: Global Prevention and Control Report*

On 21 May 2010, the World Health Assembly adopted its first resolution on viral hepatitis. In doing so, it called on the World Health Organization (WHO) to work with Member States to establish guidelines, strategies, time-bound goals and tools for the surveillance, prevention and control of this group of diseases.

This publication reports on a global survey of how countries are responding to viral hepatitis in the context of the first WHO global framework to prevent and control viral hepatitis. Findings both illustrate the disparities that exist across the world and also provide a baseline against which progress at the country, regional and global level can be measured in the coming years.

# Responding to Viral Hepatitis: The World Health Organization/World Hepatitis Alliance 2012 Survey of National Governments

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**Aim:** To provide baseline results of how all WHO Member States are responding to viral hepatitis. – in the context of the WHO Resolution and Strategy

**Methods:** The construction of the questions in the survey was based on the four main areas addressed in the WHO Viral Hepatitis Strategy.

The four main areas of the WHO Strategy:

- 1. Awareness-raising, partnerships and resource mobilization
- 2. Evidence-based policy and data for action
- 3. Prevention of transmission
- 4. Screening, care and treatment

The final version of the survey was sent out to all Member States in July 2012.

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***Relevance for us:*** Keep in mind for all WS!

# Global Viral Hepatitis Survey

## Examples of questions:

1. In your country, is there a written national strategy or plan that focuses exclusively or primarily on the prevention and control of viral hepatitis?\*

yes       no       do not know

\* Please e-mail us the relevant supporting information including if you have a strategy or plan for other diseases that includes viral hepatitis.

If yes –

Is the strategy or plan exclusive for viral hepatitis or does it also address other diseases (e.g. HIV, sexually transmitted infections)?

- a.  exclusive for viral hepatitis
- b.  only for hepatitis B
- c.  only for hepatitis C
- d.  integrated with other diseases
- e.  do not know

Please indicate whether the following are components of the strategy or plan:

1. Raising awareness	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> do not know
2. Surveillance	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> do not know
3. Vaccination	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> do not know
4. Prevention in general	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> do not know
5. Prevention of transmission of viral hepatitis via injecting drug use	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> do not know
6. Health care transmission prevention	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> do not know
7. Treatment and care	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> do not know
8. <u>Co-infection with HIV</u>	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> do not know

2. Is there a designated governmental unit/department responsible only for coordinating and/or carrying out viral hepatitis-related activities?

yes       no       do not know

- a. If yes, how many staff members does it have? \_\_\_\_\_
- b. Name of unit/department \_\_\_\_\_

15. Are cases of HIV/hepatitis co-infection registered nationally?

yes       no       do not know

# Global Viral Hepatitis Survey

## The survey was translated in four languages:

**Борьба с вирусными гепатитами: Всемирная организация здравоохранения/Всемирный альянс по борьбе с гепатитами 2012**

Ваше сотрудничество необходимо для сбора данных, которые позволят Всемирной организации здравоохранения и Всемирному альянсу по борьбе с гепатитами оценить эффективность борьбы с вирусными гепатитами на глобальном, региональном и национальном уровнях. Эта информация жизненно необходима для оценки достигнутого прогресса, выявления упущений и определения направления действий в будущем. Пожалуйста, ответьте полностью на все поставленные вопросы. Вы можете отвечать на любом языке. Если вы не знаете ответ на какой-либо вопрос, пожалуйста, постарайтесь получить необходимую информацию. Пожалуйста, пришлите заполненный опросный лист по следующему адресу: [obaran@who.int](mailto:obaran@who.int) копией [hepatitis@cphiv.dk](mailto:hepatitis@cphiv.dk).



**Respuesta a la hepatitis viral: encuesta de la Organización Mundial de la Salud/Alianza Mundial Contra la Hepatitis 2012 para los gobiernos nacionales**

Solicitamos su cooperación para recabar datos que permitan a la Organización Mundial de la Salud y a la Alianza Mundial Contra la Hepatitis evaluar la respuesta a la hepatitis viral a nivel mundial, nacional y regional. Esta información es vital para medir los avances y orientar los esfuerzos futuros. Conteste completamente a todas las preguntas en inglés. Puede aportar información adicional en cualquier idioma. Si desconoce la respuesta a alguna pregunta, haga todo lo posible por encontrar la información. Envíe la encuesta completada, junto con cualquier información adicional a: [obaran@who.int](mailto:obaran@who.int) con copia a [hepatitis@cphiv.dk](mailto:hepatitis@cphiv.dk).

**Réagir face à l'hépatite virale : enquête 2012 destinée aux gouvernements nationaux élaborée par l'Organisation mondiale de la santé/l'Alliance mondiale contre l'hépatite**

Votre coopération est sollicitée dans le cadre du recueil de données qui permettront à l'Organisation mondiale de la santé et à l'Alliance mondiale contre l'hépatite d'évaluer la réaction face à l'hépatite virale aux niveaux mondial, régional et national. Ces informations sont essentielles pour mesurer les progrès et guider les efforts futurs. Veuillez répondre en détail à toutes les questions, en anglais. Vous pouvez fournir des informations complémentaires dans la langue de votre choix. Si vous ne pouvez pas répondre à une question, veuillez faire de votre mieux pour trouver les informations manquantes. Une fois que vous aurez répondu à toutes les questions, veuillez soumettre l'enquête, ainsi que les informations complémentaires, à [obaran@who.int](mailto:obaran@who.int) en mettant en copie [hepatitis@cphiv.dk](mailto:hepatitis@cphiv.dk).

**Respondendo à hepatitis viral: pesquisa da Organização Mundial da Saúde/Aliança mundial contra a hepatitis 2012 de governos nacionais**

Sua cooperação é solicitada para a coleta de dados que permitirão que a Organização Mundial da Saúde e a Aliança mundial contra a hepatitis avaliem a resposta à hepatitis viral nos níveis global, regional e nacional. Estas informações são vitais para medir o progresso, identificar insuficiências e orientar esforços futuros. Responda completamente todas as perguntas, em inglês. Você pode fornecer informações de apoio em qualquer idioma. Se não souber como responder uma pergunta, faça o possível para encontrar as informações. Envie a pesquisa preenchida, junto com todas as informações de apoio, para [obaran@who.int](mailto:obaran@who.int) com uma cópia para [hepatitis@cphiv.dk](mailto:hepatitis@cphiv.dk).



# Global Viral Hepatitis Survey

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## Problems and issues with responses

- We have received two surveys from Oman with different respondents and different answers..
- Respondents providing imprecise answers, such as:

2. Is there a designated governmental unit/department responsible only for coordinating and/or carrying out viral hepatitis-related activities?

yes       no       do not know

a. If yes, how many staff members does it have? **Several**\_\_\_\_\_

b. Name of unit/department Provincial Hepatitis Control Programs\_\_\_\_\_

# EMCDDA Hepatitis Systematic Review

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## **Title:**

Hepatitis C virus infection epidemiology among people who inject drugs in Europe – perspectives for prevention and treatment (a systematic review)

## **Aim:**

To provide an updated overview of HCV among Injecting Drug Users in the 27 countries in the European Region.

## **(Two) Research questions:**

What is the proportion of undiagnosed cases in PWID in Europe? Is there any time trend?

What proportion enters treatment?

**Relevance for us:** We desperately need to see the results!

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# EMCDDA Hepatitis Systematic Review

## Methods:

A systematic review of the literature in the past decade. PUBMED/MEDLINE and EMBASE were searched systematically using a highly sensitive topic specific search string:

("Substance Abuse, Intravenous"[Mesh] OR "IDU" OR "IDUs" OR "PWID" OR "IVDU" OR "IVDUs" OR "intravenous drug" OR "injecting drug" OR "intravenous substance") AND ("Hepatitis C"[Mesh] OR "hepatitis C") AND ("test"[tiab] OR "prevalence"[tiab] OR "proportion"[tiab] OR "referral"[tiab] OR "trend"[tiab] OR "screening"[tiab] OR "diagnostics"[tiab] OR "surveillance"[tiab] OR "antiviral"[tiab] OR "unidentified"[tiab] OR "treatment"[tiab] OR "therapeutics"[tiab] OR "diagnosis"[tiab] OR "undiagnosed"[tiab] OR "access to treatment"[tiab] OR "screening uptake"[tiab]) NOT ("Africa"[Mesh] OR "Americas"[Mesh] OR "Antarctic Regions"[Mesh] OR "Arctic Regions"[Mesh] OR "Asia"[Mesh] OR "Atlantic Islands"[Mesh] OR "Australia"[Mesh] OR "Baltimore"[Mesh] OR "Boston"[Mesh] OR "Chicago"[Mesh] OR "District of Columbia"[Mesh] OR "Los Angeles"[Mesh] OR "Moscow"[Mesh] OR "New Orleans"[Mesh] OR "New York City"[Mesh] OR "Philadelphia"[Mesh] OR "San Francisco"[Mesh] OR "Tokyo"[Mesh] OR "Arabia"[Mesh] OR "Armenia"[Mesh] OR "Byzantium"[Mesh] OR "Egypt"[Mesh] OR "Persia"[Mesh] OR "Commonwealth of Independent States"[Mesh] OR "Confederate States of America"[Mesh] OR "Korea"[Mesh] OR "Middle East"[Mesh] OR "New Guinea"[Mesh] OR "Ottoman Empire"[Mesh] OR "Russia (Pre-1917)"[Mesh] OR "Armenia"[Mesh] OR "Azerbaijan"[Mesh] OR "Georgia (Republic)"[Mesh] OR "Kazakhstan"[Mesh] OR "Kyrgyzstan"[Mesh] OR "Moldova"[Mesh] OR "Republic of Belarus"[Mesh] OR "Russia"[Mesh] OR "Tajikistan"[Mesh] OR "Turkmenistan"[Mesh] OR "Ukraine"[Mesh] OR "Uzbekistan"[Mesh] OR "Bosnia-Herzegovina"[Mesh] OR "Croatia"[Mesh] OR "Macedonia (Republic)"[Mesh] OR "Indian Ocean Islands"[Mesh] OR "Oceania"[Mesh] OR "Oceans and Seas"[Mesh] OR "Pacific Islands"[Mesh] OR "Andorra"[Mesh] OR "Albania"[Mesh] OR "Montenegro"[Mesh] OR "Serbia"[Mesh] OR "Gibraltar"[Mesh] OR "Iceland"[Mesh] OR "Liechtenstein"[Mesh] OR "Sicily"[Mesh] OR "Monaco"[Mesh] OR "San Marino"[Mesh] OR "Switzerland"[Mesh] OR "Transcaucasia"[Mesh] OR "Vatican City"[Mesh])

Relevance for us: Proper searching and evidence collection



## HIV in Europe

Working Together for Optimal Testing and Earlier Care



To identify political, structural, clinical and social barriers to achieving optimal testing and care

**Relevance for us: Hepatitis testing systematic review in progress. Joint event??**

You are here:- Call to Action .. Call to action 2012-2014

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- Copenhagen 2012 Conference
- Project1:Late presentation
- Project2:Infection not diagnosed
- Project3:HIVES
- Project4:Stigma Index
- Conferences
- HIV in Europe Resources
- National Initiatives
- EU and outside Europe

“HIV in Europe is not an organisation, but an initiative formed to inform processes, share knowledge and improve the evidence base around important issues of earlier testing and care. It is unique in its collaboration between stakeholders from clinical, advocacy and public health backgrounds.”

—[www.hiveurope.eu](http://www.hiveurope.eu)



European  
AIDS Treatment  
Group

**This hepatitis initiative is groundbreaking in so far as we can be inclusive, and sustain it!**

twenty years  
of treatment activism

# WS3 rationale

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- § While research on the biomedical aspects of hepatitis is extensive, *the public health and health systems aspects remain largely unaddressed.*
- § The literature on issues such as the epidemiology, diagnosis (availability of tests, reliability), treatment, prevention programmes, screening programmes and societal attitudes (stigma, discrimination) varies considerably in and outside the European Union and is not always easily accessible for stakeholders in the field.

# The reader

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The detailed content of the chapters will be finalised together with the experts (many but not all here), but will essentially consist of:

Chapter 1. Introduction to hepatitis and drug use globally and in Europe specifically

Chapter 2. Hepatitis policy in Europe

Chapter 3. Hepatitis prevention among drug users

Chapter 4. Community approaches to hepatitis control

Chapter 5. Hepatitis treatment and care

Chapter 6. HIV and hepatitis: data from the FP-7 funded EuroSIDA cohort

Chapter 7. Hepatitis and prison health

Chapter 8. Conclusions and recommendations

# The WS3 team

Some associated partners of the project, such as the Scottish Drug Forum, Fixpunkt, the Public Health Agency of Catalunya and the University of Prague will function as an advisory group to the authors.

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	Kelly		Copy-editor
	Joey		Searcher

# Burning questions

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1. Finalising chapter titles and 3 bullet points for each on content
2. Identifying author teams
3. Should we make this a book or a special journal issue?

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## CENTRAL EUROPEAN JOURNAL OF PUBLIC HEALTH

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### EUPHA Conference

Innovation to Achieve Universal Access to  
HIV/AIDS Prevention, Treatment and Care in Europe

November 6, 2008

Lisbon, Portugal



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Biological Abstracts, Biosis Previews, EBSCO Publishing, Bibliographia Medica Czechoslovaca

**TIGIS**

# Thank you!



**During this and every morning, some 900 people will become newly infected with HIV and 650 people will die of AIDS.**