



WSD/GSA Progress Report

September	World
13	Sepsis
2016	Day

GSA Strategic Goals 2013 – 2017

- 1. WHA/WHO:** WSD needs to be mandated by a resolution on sepsis of the WHA/WHO
- 2. World Health Organization (WHO):** Acknowledging that sepsis is the most common pathway to death following an infection
- 3. Raising public awareness and stimulate QI initiatives:** Improve the knowledge on prevention and early signs of sepsis
- 4. Global Burden of Disease Report (GBDR):** Adequate recognition of the burden of sepsis
- 5. Adequate coding of sepsis in the WHO ICD-coding system:** To achieve adequate representation of sepsis in the global and national disease reports

March 13, 2017

WHO Executive Board Recommends the Adoption of a Resolution on Sepsis to the World Health Assembly

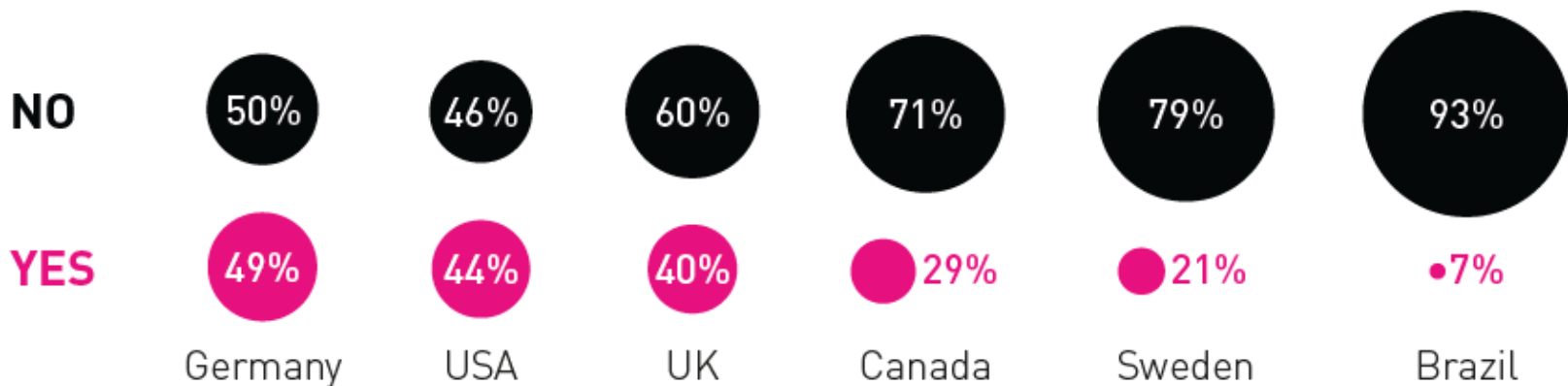


The WHO Executive Board has unanimously decided to recommend the adoption of a resolution on sepsis to the World Health Assembly (WHA).

The majority of people have not heard the term sepsis in 2013

Sepsis Awareness

Have you ever heard the term “Sepsis”?



Increase in Sepsis Awareness 2013-2016

- USA 44% to 55%
- UK 40% to 60%
- Germany 49% to 62%

Muhammad Ali: Septic shock caused boxing legend's death

6 hours ago | US & Canada

BBC Sign in

NEWS



Tributes have been flowing in for Muhammad Ali from across America and the world

HUFFPOST HEALTHY LIVING

Edition: US

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Patty Duke's Death Announcement Is A Milestone Sepsis Awareness

Her obituary may one day save your life.

03/30/2016 08:20 am ET | Updated 5 days ago

T... Online t-online.de



08:15 Uhr, 05.06.2016 Quelle: AP

SPORT

BOXLEGENDE ALI STARB AN BLUTVERGIFTUNG

Die langjährige Parkinson-Erkrankung führte zu Komplikationen, so ein Sprecher der Familie zur Todesursache.

Google Hits



- World Aids Day approx. 22. Mio
- World Cancer Day approx. 20 Mio
- World Sepsis Day approx. 6-8 Mio

Report by the National Confidential Enquiry into Patient Outcome and Death – 2015 in UK



Just Say Sepsis!

A review of the process of care received
by patients with sepsis

Sepsis is important because it is a major cause of avoidable death in our hospitals.



September | World
13 | Sepsis
2016 | Day

Between 20-50 percent of patients admitted to hospitals in the UK are diagnosed and treated too late

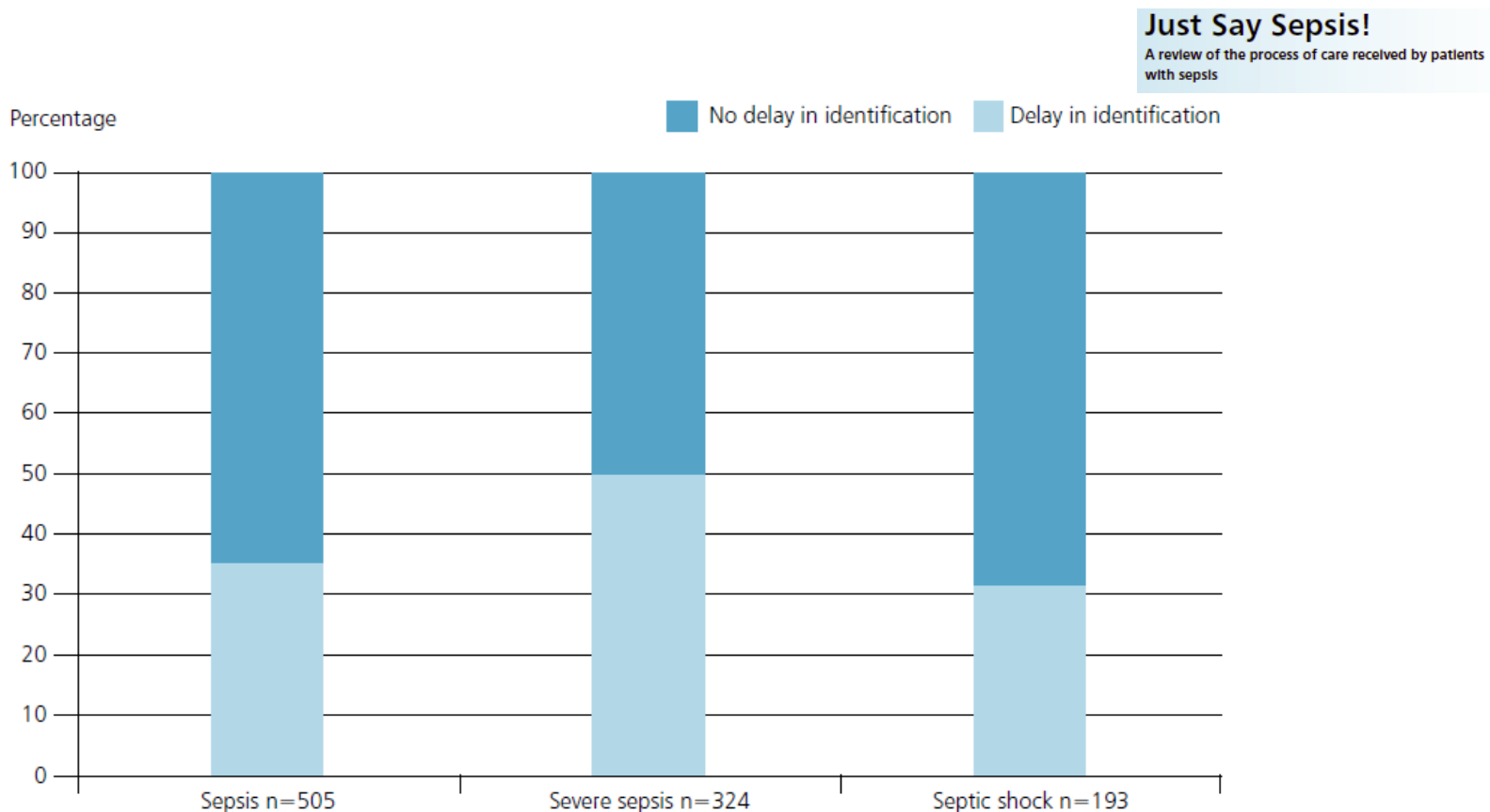


Figure 6.1 Delay in identifying sepsis, severe sepsis and septic shock – Reviewers' opinion

Antimicrobials were delayed in 44% of patients

Just Say Sepsis!

A review of the process of care received by patients with sepsis

Outcome affected	Number of patients	%
Yes	43	44.3
No	54	55.7
Subtotal	97	
Insufficient data	17	
Total	114	

NEWS

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Treat sepsis 'the same as heart attacks'

By Smitha Mundasad
Health reporter

🕒 13 July 2016 [Health](#)

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Suspected sepsis in patients must be treated as an emergency in the same way as heart attacks are, England's health watchdog says.

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World
Sepsis
Day

News

NHS unites to tackle sepsis



© 23 November 2016 - 10:20

Professor Sir Bruce Keogh, NHS England Medical Director, has issued a rallying call to healthcare professionals across the country to focus on improving early recognition and timely treatment of sepsis.

At an event in London last night and ahead of a major new public awareness campaign delivered in collaboration with the UK Sepsis Trust, he set out the work that has been done so far to help nurses and doctors to recognise and treat sepsis and what more can be done to reduce deaths from sepsis.

Since April 2015 the number of people screened for sepsis has significantly increased, and it is now being diagnosed and treated quicker than ever before. However, one in four acutely ill patients is still not being

CDC Launches Report & Awareness Initiative



A collage of four CDC Vital Signs awareness posters. The top-left poster features a large number "4" and text about four types of infections associated with sepsis. The bottom-left poster features a large "7 in 10" and text about a CDC evaluation finding. The center poster shows a doctor and a patient in a hospital setting with the headline "Think Sepsis. Time Matters." and the Vital Signs logo. The right poster lists four signs of sepsis with icons: "Shivering, fever, or very cold", "Extreme pain or discomfort", "Confusion or disorientation", and "Short of breath". It also includes the text "If suspected, get medical care" and "SOURCE: CDC Vital Signs, Aug 2016". The bottom-right poster features a large "80%" and text about sepsis beginning outside the hospital for nearly 80% of patients. All posters include the Vital Signs logo and the website "http://www.cdc.gov/vitalsigns/sepsis".

CLINICAL FORUM
FROM REVIEW
INCIDENT

This report identified sepsis as a
primary cause of preventable deaths !

SEPSIS KILLS program:
reduce preventable harm to patients with sepsis

RECOGNISE:

Risk factors, signs and symptoms of sepsis and
inform senior clinician

RESUSCITATE:

With rapid antibiotics and IV fluids within one
hour

REFER:

To specialist care and initiate retrieval if needed

**Surviving Sepsis Campaign: International
Guidelines for Management of Severe Sepsis
and Septic Shock: 2012**

R. Phillip Dellinger, MD¹; Mitchell M. Levy, MD²; Andrew Rhodes, MB BS³; Djillali Annane, MD⁴;
Herwig Gerlach, MD, PhD⁵; Steven M. Opal, MD⁶; Jonathan E. Sevransky, MD⁷; Charles L. Sprung, MD⁸;
Ivor S. Douglas, MD⁹; Roman Jaeschke, MD¹⁰; Tiffany M. Osborn, MD, MPH¹¹; Mark E. Nunnally, MD¹²;
Sean R. Townsend, MD¹³; Konrad Reinhart, MD¹⁴; Ruth M. Kleinpell, PhD, RN-CS¹⁵

Development of Sepsis Mortality

- Australia: 2000-2012 from 35% to 18.5%
- England: 2000-2012 from 45.5% to 32.1%
- USA: 2003-2007 from 37 % to 29%
- Germany: 2003-2013 from 47,8% to 43,6%

The members of the GSA QI Committee have strongly contributed to this success



SEPSIS WHAT WE DO BECOME INVOLVED

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NOMINATE / APPLY FOR 2017



QUALITY IMPROVEMENT AND PATIENT SAFETY

Quality improvement and patient safety are not only buzzwords in the healthcare sector right now, they are also incredibly important to saving lives.

The aim Quality Improvement Committee (QIC) is to provide resources to organizations/hospitals interested in improving quality control, help them implementing such measures, and connect them with people who have done similar projects in the past. The committee currently has 14 members, 12 of them medical professionals with a vast experience in quality improvement and patient safety.

Development of Support for WSD

	Dec 2012	Sep 2013	Sep 2014	Sep 2015	Sep 2016
Hospital & Health Care Services	1,237	2,600	3,053	3,286	3,651
Non-Profit Organizations	143	220	295	320	343
Health Care Professionals	1,529	1,478	2,071	2,214	2,417
Private Individuals	50	537	929	1,092	1,256
Total	2,959	4,835	6,348	6,912	7,667

Social Media



	Dec 2012	Sep 2013	Sep 2014	Sep 2015	Sep 2016
Facebook	1,387	2,523	3,834	5,200	7,873
Twitter	422	1,048	1,976	3,225	4,676
Instagram	-	-	-	-	581



[Facebook.com/WorldSepsisDay](https://www.facebook.com/WorldSepsisDay)



[Twitter.com/WorldSepsisDay](https://twitter.com/WorldSepsisDay)



[Instagram.com/world_sepsis_day](https://www.instagram.com/world_sepsis_day)

September 13, 2016 | **World Sepsis Day**

Statistics



- 15,000 people from 146 countries registered to participate
- Largest scientific meeting on sepsis ever
- 13 sessions, 4 had over 1,000 live attendees
- 850 people live on average per session
- 96 national & international societies endorsed the congress

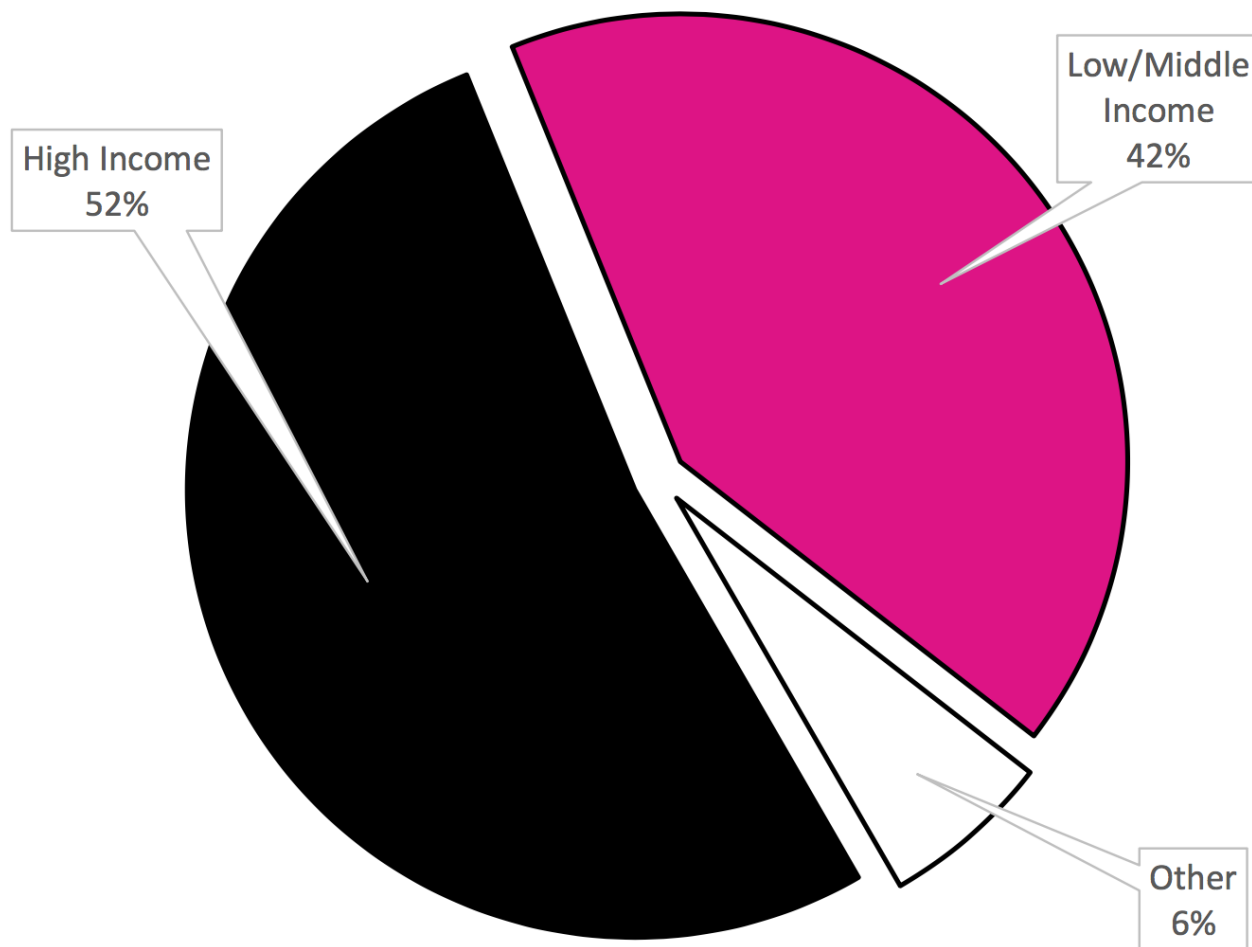


stop
sepsis
save
lives



September 13 2016 | World Sepsis Day

Participants by Income of Country



March 2017

- All sessions are available since March 17th, 2017
- Accessed over 27,000 times
 - 16,248 YouTube (over 1,100 subscribers)
 - 11,135 Podcast



Assessment of Global Incidence and Mortality of Hospital-treated Sepsis

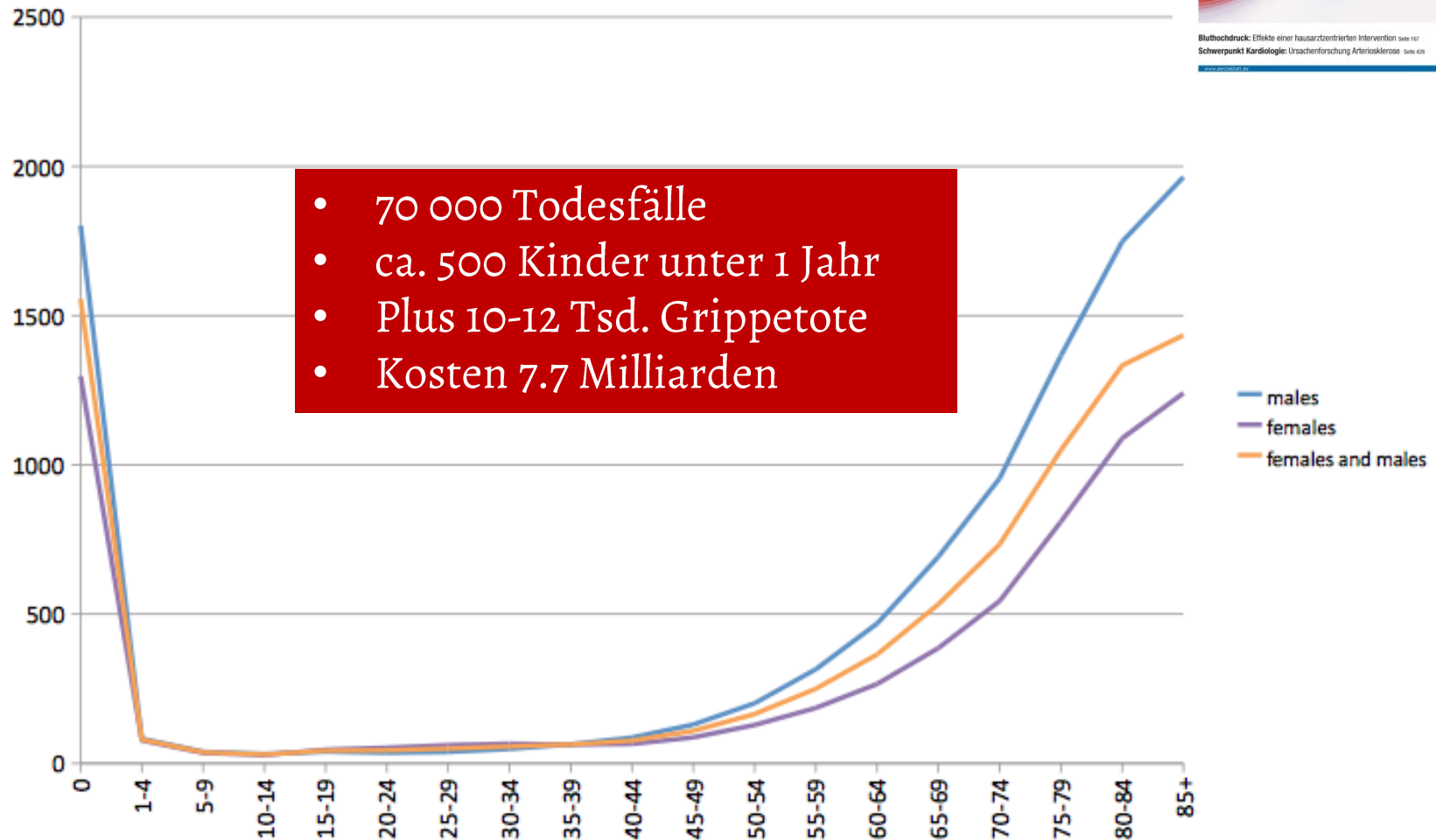
Current Estimates and Limitations

Carolin Fleischmann^{1,2}, André Scherag³, Neill K. J. Adhikari⁴, Christiane S. Hartog^{1,2}, Thomas Tsaganos⁵, Peter Schlattmann⁶, Derek C. Angus^{7*}, and Konrad Reinhart^{1,2*}; on behalf of the International Forum of Acute Care Trialists



Global estimates of hospital treated sepsis cases/year 30.7 million

Früh- und Neugeborene sowie Ältere sind besonders stark betroffen



Sepsis incidence in Sweden higher than expected

Open Forum Infectious Diseases

MAJOR ARTICLE



Sepsis Incidence: A Population-Based Study

Lisa Mellhammar,¹ Sven Wullt,¹ Åsa Lindberg,² Peter Lanbeck,¹ Bertil Christensson,¹ and Adam Linder¹

¹Department of

Background
assess the i
hospitals in

Methods
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therapy pre

Results.
sepsis acco
incidence c
definition c

- Annual incidence of traditional severe sepsis of 687/100 000 persons (95% confidence interval [CI], 549–824)
- According to the sepsis-3 definition of 780/100 000 persons (95% CI, 633–926)

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ous antibiotic

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to the sepsis-3

Strategic Alliance between GSA and PSMF



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March 10, 2017

Patient Safety Movement Foundation and GSA Join Forces in the Fight Against Sepsis



The 5th Annual Summit of the **Patient Safety Movement Foundation (PSMF)** took place in Dana Point, California, in early February. The mission of the Patient Safety Movement Foundation is 'Zero Preventable Deaths by 2020'. Key Speakers were Bill Clinton, 42nd President of the USA, and Joe Biden, 47th Vice President of the USA.

In Some Countries Sepsis Mortality decreased

- Australia: 2000-2012 ↓ 35% auf 18.5%
- England: 2000-2012 ↓ 45.5% auf 32.1%
- USA: 2003-2007 ↓ 37 % auf 29%
- Germany: 2003-2013 ↓ 47,8% auf 43,6%



stop
sepsis
save
lives

WHO / WHA / Sepsis Resolution – Opportunities & Challenges

K. Reinhart ML
Chairman Global Sepsis Alliance

The German-speaking MoHs advocate a resolution on sepsis by the World Health Assembly



Bundesregierung/Steffen Kugler



Together with other German-speaking health ministers, I am advocating that the World Health Assembly adopt a resolution on the topic of sepsis in the coming year.

Sepsis is a potentially life-threatening complication of an infection. It is one of the most underestimated and most common causes of death in hospitals. Every year, more than 11 million people are affected by sepsis worldwide. This condition is the third most frequent cause of death in Germany. The Global Burden of Disease Study puts the number of affected people at 30 million per year at 30 million.

per year at 30 million. However, for those patients who survive often suffer for the rest of their lives from the physical and mental sequelae. This development gives us reason for concern.

Ambassador for World Sepsis Day



**Dr. Helge Braun, Minister of
State to the Chancellor**

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Shared Lessons from Sepsis & Sustainable Development - Keynote Address by UNEP Executive Director Achim Steiner

Thu, Mar 10, 2016

Delivered at "Sepsis. The Challenges of science, politics and society" - a joint symposium by the Jena University Hospital and the German National Academy of Sciences Leopoldina.

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Photo Credit: Georgina Smith CIAT 4 CC



**Draft resolution proposed by Australia, Austria, Colombia,
Costa Rica, Estonia, Germany, Ireland, Jamaica, Japan,
Luxemburg, Russian Federation and Switzerland**

140th session

EB140.R5

Agenda item 7.2

25 January 2017

**Improving the prevention, diagnosis
and management of sepsis**

The Executive Board,

Having considered the report on improving the prevention, diagnosis and clinical management of sepsis,¹

RECOMMENDS to the Seventieth World Health Assembly the adoption of the following resolution:

The proposed resolution shares the concerns of the World Sepsis Day movement and the GSA

- “Concerned that sepsis continues to cause every year approximately six million deaths worldwide, most of which are preventable;”
- “Recognizing that sepsis as a syndromic response to infection is the final common pathway to death from most infectious diseases worldwide;”
- “Considering that sepsis has a unique and time-critical clinical course which in the early stages is highly amenable to treatment through early diagnosis and timely and appropriate clinical management”

The proposed resolution shares the concerns of the World Sepsis Day movement and the GSA

- “Considering the need for an integrated approach to addressing sepsis that focuses on prevention, early recognition through clinical and laboratory services and timely access to healthcare including intensive care services
- “Recognizing the advocacy efforts of stakeholders, in particular through existing activities held every year on 13 September in many countries, to raise awareness regarding sepsis,”

Referring to September 23th the resolution „URGES Member States“

(1) to include prevention, diagnosis and treatment of sepsis in national health system strengthening policies and processes, in the community and in healthcare settings according to international guidelines;

(4) to develop and implement standard and optimal care and strengthen medical counter measures for diagnosing and managing sepsis in health emergencies, including outbreaks, through appropriate guidelines with a multisectoral approach;

(5) to increase public awareness of the risk of progression to sepsis from infectious diseases, through health education, including on patient safety, in order to ensure prompt initial contact between affected persons and the health care system;

Referring to September 13th the resolution „URGES Member States“

- (6) ... using the term “sepsis” in order to enhance awareness;
- (7) to promote research aimed at improving the process of diagnosing and treating sepsis across the world, including research for new antimicrobial and alternative therapies, rapid diagnostic tests, vaccines and other immunisation technologies, interventions and therapies;
- (8) to approve the use of the International Classification of Diseases to establish the prevalence and profile of sepsis and antimicrobial resistance, and....

(9) to engage further in advocacy efforts to raise awareness of sepsis, in particular through supporting existing activities, held every year on 13 September in Member States;

REQUESTS the Director-General:

(1) to draw attention to the public health impact of sepsis including publishing a report on sepsis, describing its global epidemic impact on the burden of disease and identifying successful strategies for integrating the timely diagnosis and management of sepsis into existing health systems, by the end of 2018;

(2) to support Member States as they develop and implement standards and establish the necessary guidelines, standards, protocols, procedures, laboratory capacity, strategies and tools for the reduction of incidence of, mortality from and long-term complications of sepsis;

(3) to collaborate with organizations in the United Nations system, particularly the World Health Organization and other relevant stakeholders in

ensuring access to quality, safe, efficacious and affordable types of treatment for sepsis, and infection prevention and control, including immunization, particularly in developing countries, while taking into account relevant existing initiatives;

Financial and administrative implications for the Secretariat of resolutions proposed for adoption by the Executive Board or Health Assembly

2. 2018–2019 (if required): estimated budget requirements, in US\$ millions:

US\$ 4.63 million.

Level	Staff	Activities	Total
Country offices	0.00	1.20	1.20
Regional offices	1.35	0.48	1.83
Headquarters	1.20	0.40	1.60
Total	2.55	2.08	4.63

3. Future bienniums beyond 2018–2019 (if required) – estimated budgetary requirements, in US\$ millions:

US\$ 4.63 million.

Strategy for 2017- 2020

- Foster the collaboration with WHO to achieve the requests of the resolution
- Achieve adequate representation of sepsis in the GBDR and the WHO ICD 11 coding system
- Increase the pressure on national governments for national action plans in terms of:
 - Sepsis awareness campaigns
 - Sepsis mortality as quality indicators
 - National reporting of incidence and mortality
 - Promotion of certified facilities for acute and longterm care
 - Support of research for innovative diagnostics and therapeutics

Support the World Sepsis Day Movement



GSA Strategic Goals 2013 – 2017

- 1. WHA/WHO:** WSD needs to be mandated by a resolution on sepsis of the WHA/WHO
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We Thank Our Sponsors for Making the 1st World Sepsis Congress Possible

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The members of the GSA QI Committee have strongly contributed to this success



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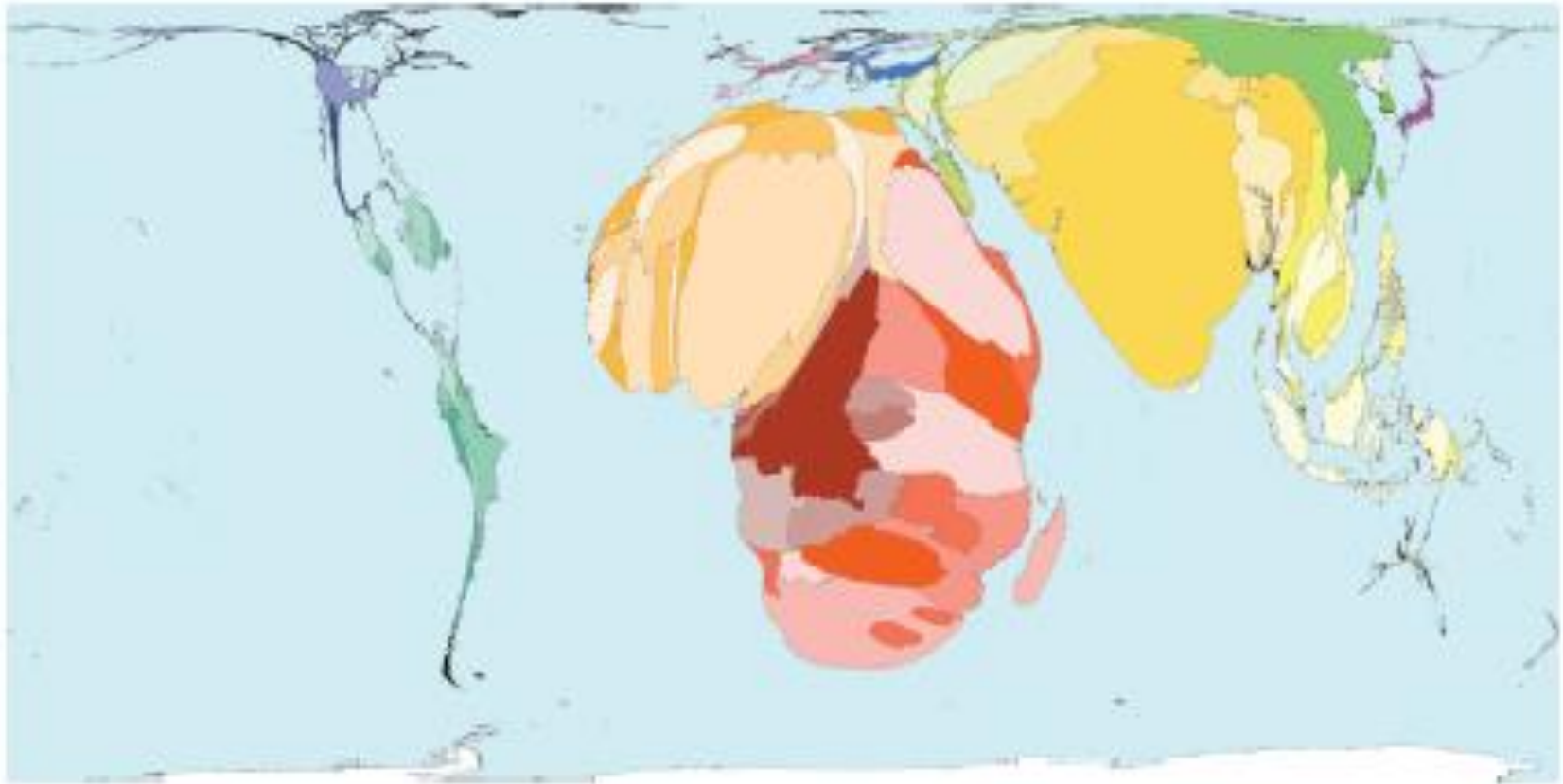
Commitment Announcement: Global Sepsis Alliance

Patient Safety
Movement

Konrad Reinhart
Chairman



Global Deaths from Infectious Diseases mostly occur in resource poor countries





QUALITY IMPROVEMENT AND PATIENT SAFETY

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www.world-sepsis-day.org

Annual Sept 30 to Sept 30



	2013 - 2014	2014 - 2015	2015 - 2016
Sessions	71,651	121,501	129,207
Users	52,421	90,773	103,168
Page Views	220,585	256,724	272,410
New Visitors	28,4 %	26,1 %	21,1 %
Returning Visitors	71,6 %	73,9 %	78,9 %

Reaching New Audiences

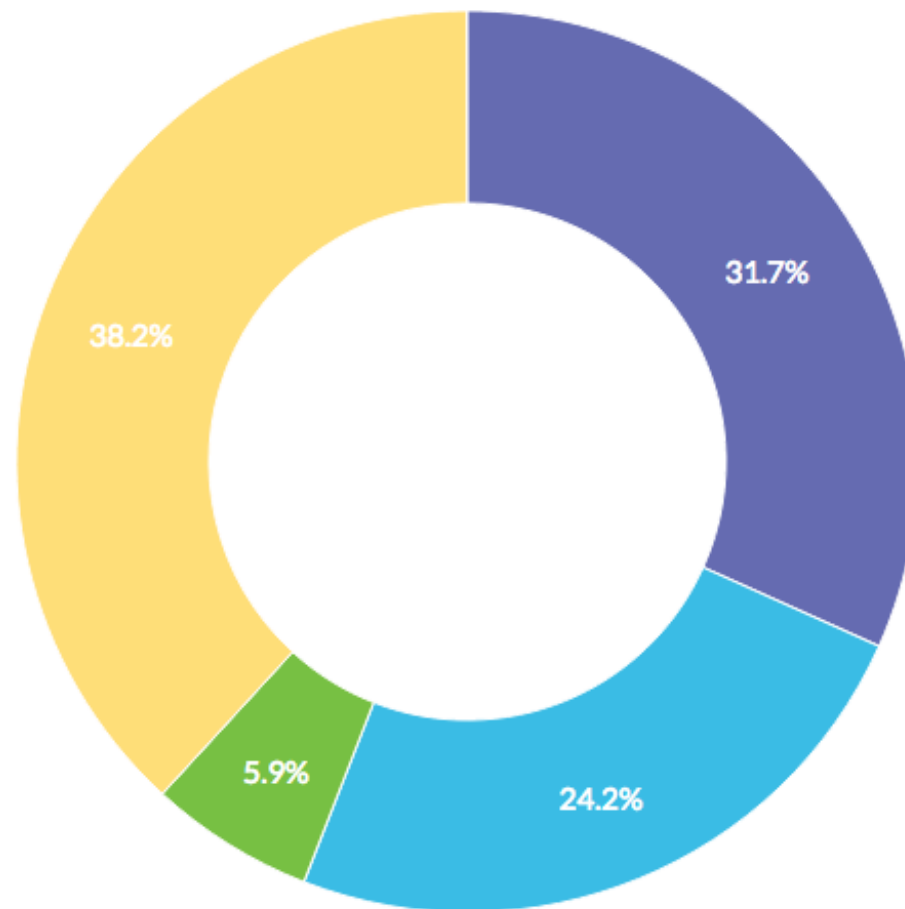


Q5

Before the 1st World Sepsis Congress, Did You Know World Sepsis Day (September 13) & the Global Sepsis Alliance?

Multiple Choice

Yes, in 2017.: 466



Choices

- Yes, I knew both.
- Yes, I knew World Sepsis Day.
- Yes, I knew the Global Sepsis Alliance.
- No, hadn't heard of either one.