SEPSIS
GALVANISING GOVERNMENT ACTION

@SepsisUK

Dr Ron Daniels B.E.M.
CEO, UK Sepsis Trust
CEO, Global Sepsis Alliance
Special Adviser (maternal sepsis) to WHO
Breast cancer

Bowel cancer

Annual UK sepsis deaths
GLOBAL SEPSIS MORTALITY

Sepsis 5.3M

Ischaemic Heart Disease 7.2M (CDC 2015)

Cancer 8.2M (WHO 2015)

Tobacco 6M (WHO 2016)

Malaria 0.44M (WHO 2015)

Fleischman C, Scherag A, Adhikari N et al
NEW STUDY SHOWS SEPSIS COULD BE COSTING THE UK ECONOMY UP TO £15.6 BILLION EACH YEAR

- New data from an independent study shows the cost of sepsis to the UK economy is likely to be as much as £15.6 billion every year, rather than the £2.5 billion previously estimated
- The UK sees 260,000 cases of sepsis annually – over 100,000 more than initial projections suggested
- Potential savings to the economy by improving sepsis care across the NHS could be as high as £2.8 billion

Monday 20th February – A study commissioned by the UK Sepsis Trust and carried out by the independent York Health Economics Consortium (YHEC) has found that
THE RACE WAS ON...

Infection \[\Rightarrow\] Sepsis

‘Badness’
Sepsis

Sepsis: the recognition, diagnosis and management of sepsis

*NICE guideline <number>*

*Methods, evidence and recommendations*

*January 2016*
3. Is any Red Flag present?

Systolic B.P <90 mmHg/ 40mmHg below norm
Lactate >2 mmol/l
Heart rate >130 per minute
Respiratory rate >25 per minute
Needs oxygen to keep SpO$_2$ >92%
Responds to voice/ pain/unresponsive
Purpuric rash/ mottled/ ashen/ cyanotic
Not passed urine for 18 hours
1. Could this be sepsis?

**Patient looks sick**

**Patient, carer or relative very worried**

NEWS (or similar) triggering

Risk factors present

e.g. age over 75, recent surgery, trauma or invasive procedure, immunosuppressed, indwelling device or skin integrity breached

2. Could this be due to an infection?

Red Flag Sepsis. Start Sepsis 6 pathway NOW (see overleaf)
THE SEPSIS SIX

1. Give 02 to keep SATS above 94%
2. Take blood cultures
3. Give IV antibiotics
4. Give a fluid challenge
5. Measure lactate
6. Measure urine output
Sepsis and the little ones who never should have died: Heartbreaking stories that prove why it's so vital families and doctors are taught how to spot symptoms sooner

- The Daily Mail is campaigning to end the sepsis scandal
- 1,500 children have died from sepsis in the last 14 months
- Jeremy Hunt promised to consider a national awareness campaign
- Sepsis is an over-reaction of the body's immune system to infection
- If caught early enough, it's treated with intravenous antibiotics and fluids

By JONATHAN GORNALL FOR THE DAILY MAIL
PUBLISHED: 00:05, 15 March 2016 | UPDATED: 10:29, 15 March 2016
Mike Brown traces illness back to England’s gruelling tour of Australia

- Harlequins full-back lost 6kgs with septicaemia
- He was ‘absolutely hanging before last game’

Mike Brown celebrates after scoring against the Wallabies in the Sydney Test in June, to cap a punishing tour. Photograph: David Rogers/Getty Images

Mike Brown suspects the septicaemia that forced him to miss the start of the season may have been the result of the punishment absorbed during England’s summer tour of Australia.
#Sepsis kills 40,000 people every year - more than bowel, breast & prostate cancer combined. Would you recognise the signs & symptoms?

Sepsis costing NHS 'billions' more than thought due to 'crippling' lack of data
Have you ever heard of sepsis?

60% NO

40% YES
Have you ever heard of sepsis?

44% YES

56% NO

UK 2015
Have you ever heard of sepsis?

67% YES

33% NO
Just Say Sepsis!
A review of the process of care received by patients with sepsis

Improving the quality of healthcare

TIME TO ACT
Severe sepsis: rapid diagnosis and treatment saves lives

NHS England
‘Sepsis is a condition whose time has come’

‘Now is the time not for words but for practical actions on the ground’
SEPSIS IS A RARE BUT SERIOUS COMPLICATION OF AN INFECTION

If your child has any of these symptoms you should take immediate action:
- Looks mottled, bluish or pale
- Is very lethargic or difficult to wake
- Feels abnormally cold to touch
- Is breathing very fast
- Has a rash that does not fade when you press it
- Has a fit or convolution

Acting quickly could save your child's life, so if your child has any of these symptoms don't be afraid to go to A&E immediately or call 999.

Find out more information visit www.nhschoices.org/xx or www.sepsistrust.org

Our values guide.

The Friends and Family Test
How did we do?

The UK SEPSIS TRUST

My mum works here and she's here to help you.

Let's talk.
ACTING QUICKLY CAN SAVE 14,000 LIVES FROM SEPSIS

To find out more about sepsis and the symptoms visit: www.sepsistrust.org

JUST ASK “COULD IT BE SEPSIS?”
SEPSIS IS A SERIOUS CONDITION THAT CAN INITIALLY LOOK LIKE FLU, GASTROENTERITIS OR A CHEST INFECTION.

Seek medical help urgently if you develop any or one of the following:

- Slurred speech or confusion
- Extreme shivering or muscle pain
- Passing no urine (in a day)
- Severe breathlessness
- It feels like you’re going to die
- Skin mottled or discoloured

Email info@sepsistrust.org for more information.

The UK Sepsis Trust registered charity number (England & Wales) 1158843.
ANY CHILD WHO:
1. Is breathing very fast
2. Has a ‘fit’ or convulsion
3. Looks mottled, bluish, or pale
4. Has a rash that does not fade when you press it
5. Is very lethargic or difficult to wake
6. Feels abnormally cold to touch

MIGHT HAVE SEPSIS
Call 999 and just ask: could it be sepsis?

ANY CHILD UNDER 5 WHO:
1. Is not feeding
2. Is vomiting repeatedly
3. Hasn’t had a wee or wet nappy for 12 hours

MIGHT HAVE SEPSIS
If you’re worried they’re deteriorating call 111 or see your GP

JUST ASK
“COULD IT BE SEPSIS?”
IT’S A SIMPLE QUESTION, BUT IT COULD SAVE A LIFE.

The UK Sepsis Trust registered charity number (England & Wales) 1158843.
# Spotting sepsis and serious illness in children

Please use this page if you are concerned about your child's health, symptoms, especially if they are unexplained. Ask yourself the following questions:

1. Are they ill or unwell?
2. Is their temperature correct?
3. Is their breathing or breathing rate normal?
4. Are they still eating and drinking?
5. Are they sleeping normally?

If you are concerned, take action and call 111 or go to your nearest A&E department.

## Checklist

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Yes</th>
<th>No</th>
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<tbody>
<tr>
<td>Unwell</td>
<td></td>
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<tr>
<td>High temp</td>
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<tr>
<td>Fast breathing</td>
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<tr>
<td>Not eating</td>
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<tr>
<td>Not sleeping</td>
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For more information and advice, visit [www.bps.org.uk](http://www.bps.org.uk).

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*The UK Sepsis Trust*
SEPSIS

TOGETHER WE CAN SAVE 14,000 LIVES