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This talk will cover:

- A brief overview of The London Ambulance Service (LAS)
- A brief review of major incidents in London 1980 2005
- My personal account of the bombings, and an examination of all four sites
- Overview of LAS approach to major incidents



The busiest emergency ambulance service in the world, that is;

Free at the point of delivery.

The only London-wide NHS Trust.

The frontline of the NHS in the capital.



BUCKS

BERK SHIRE

Miles

HERTFORDSHIRE

Harrow

Hounslow

Ealing

Richmond

Hillingdon

SURREY

10

Κm

London Ambulance Service NHS Trust

383² Miles (992² Km)

Waltham

Tower \
Hamlets

Forest

_ Lewisham

Newham

Enfield

Haringey

Camden¹

Wandsworth

Merton

Sutton

Isling- \ Hackney

Croydon

<u>~~~</u>

Barnet

Brent

Kingston

70 Ambulance Stns 3,822 clinical staff Redbridge 254 Ambulances Havering Barking 96 Response Cars Greenwich Bexley 10 Motorcycles Bromley 14 Pushbikes 1 Helicopter

Population 7.51M (2005)

(45 Station Pets)

London 1980's

Wembley
Train Crash October
1984. 18
injured, 6
dead

Heathrow Airport Bomb - April 1984. 22 injured

Hyde Park Bomb - July 1982. 22 injured, 3 dead.

Chelsea Barracks
Bomb – October 1981.
50 injured, 1 dead

Harrods Bomb - December 1983. 90 injured, 5 dead

Hillingdon

Ealing

Twickenh

Kingston

Hounslow

Regents Park Bomb - July 1982. 30 injured, 6 dead

Redbridge

Bromley

Barking 8

Bexley

Havering

Liverpool Street Train Crash - May 1984. 40 injured

King's Cross
Underground Fire November 1987. 60+
injured, 31 dead

River Thames (Marchioness) -August 1989. 80 injured, 51 dead

Battersea Train Crash - May 1985. 105 injured

Putney Gas
Explosion January 1985. 10
injured, 8 dead

Sutton &

Barnet

slington

Croydon

Clapham Train Crash - December 1988. 123 injured, 35 dead

London 1990's

Ladbroke Grove Train crash - October 1999. 126 injured. 31 dead

Hillingdon

Hounslow

Richmond & Twickenhar

Kingston ..

J18 City of London Civil disturbance -June 1999. 41 injured

Redbridge

Barking 8

Bexley

Havering

Cannon Street Train Crash - January 1991. 265 injured, 2 dead.

Poll Tax
Demonstration October 1990.
587 injured

Southall Train Crash -September 1997. 40+ injured 7 Dead

Earls Court Concert, Seating Collapse -October 1994. 89 injured Aldwych Bomb -February 1996. 9 injured, 1 dead

ndsworth

Sutto 8

Enfield

Haringey

Islington

Croydon

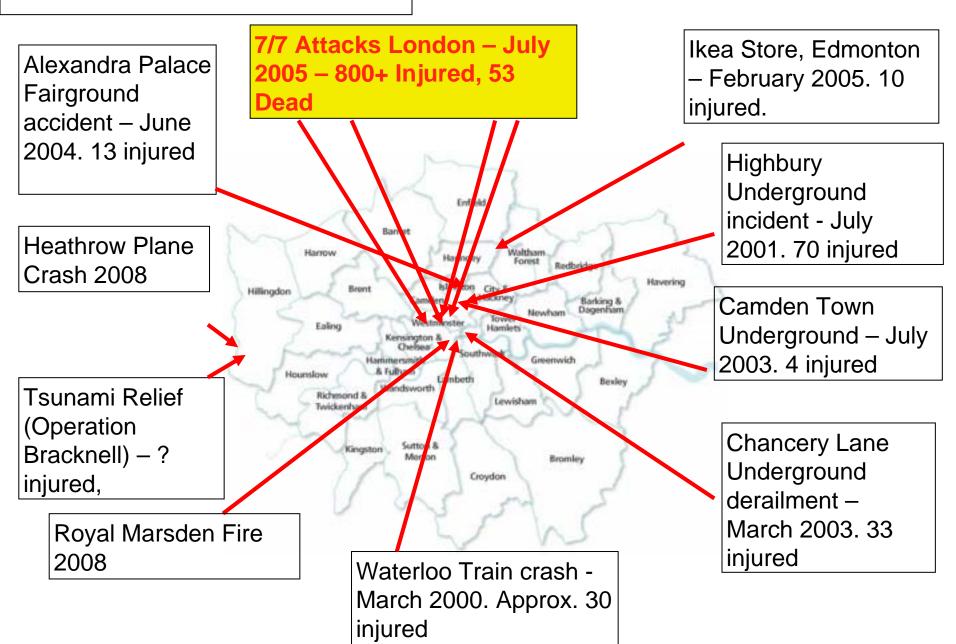
Smithfield Cinema Fire - February 1994. 12 injured, 11 dead.

Criminal Justice Bill Demonstration -October 1994. 28 injured

Brixton Nail Bomb - April 1999. 29 injured

Compton Street Nail Bomb - April 1999. 73 injured, 3 dead

London 2000's



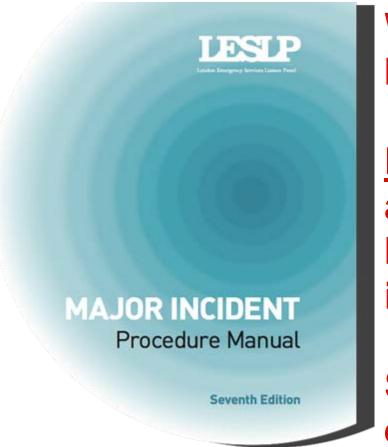


Lessons identified prior to, and during the London Assembly Enquiry (2006) and HM Coroner's Inquest 2010/11

- Communications
- Medical & Logistical support
- Management of the incident
- Triage
- Major Incident training and exercises



One plan for <u>all</u> London Emergency Services



Without it it would have been a lot worse!

EVERYONE MUST know about it, understand it and have the capability to put it into practice

Staff turnover is the enemy of such plans!





Basic Command Structure

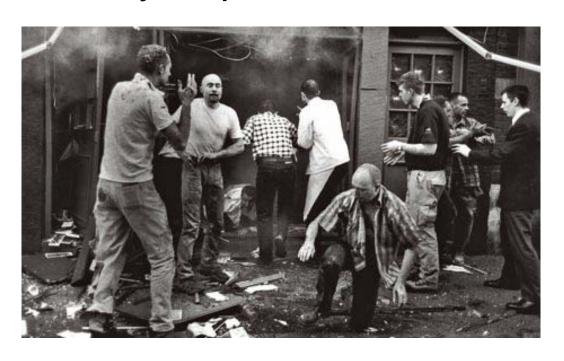






Soho Pub Bombing, London April 1999

Motorcycle paramedic 1st LAS resource on scene



He took on Silver role

Supported in role as other officers arrived

Frontline staff get there first! Train them. Trust them. Lead them.





Action Cards / Aide Memoire have been personal issue to all LAS staff since 2002





Triage cards on 7th July (A large number used)





Grab packs Labelled on on Outside



Action cards

Tabard

Paperwork specific to role

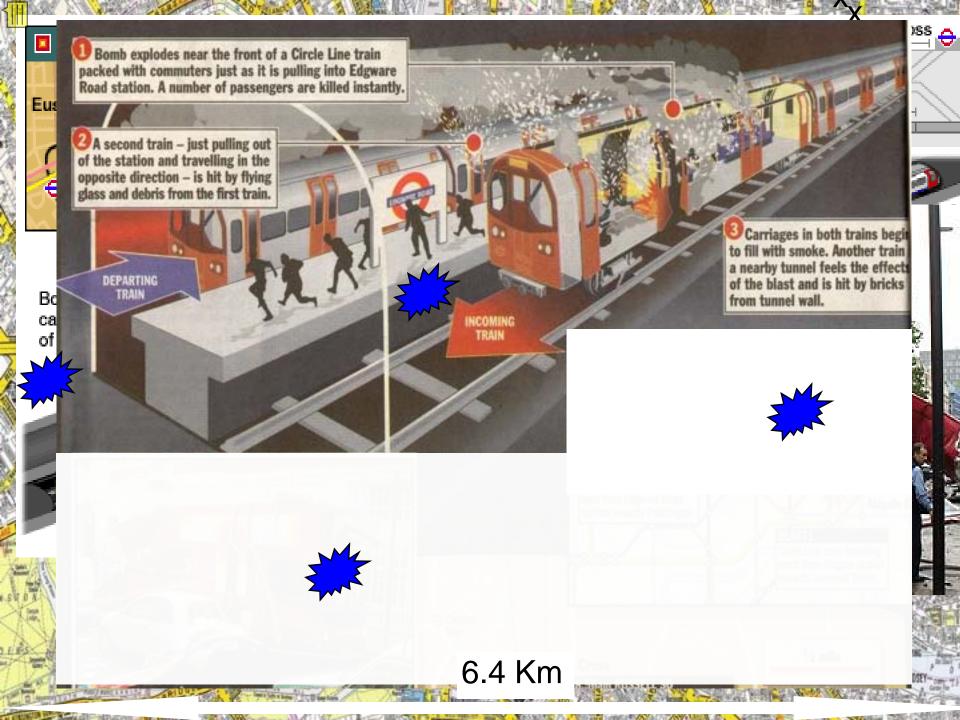
That's all!!

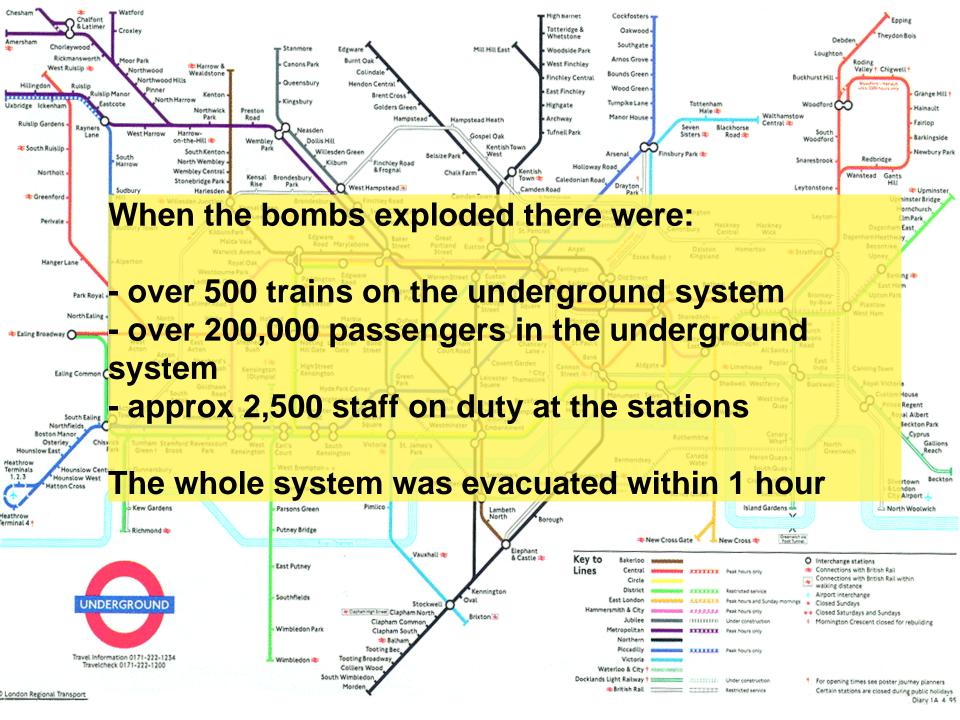


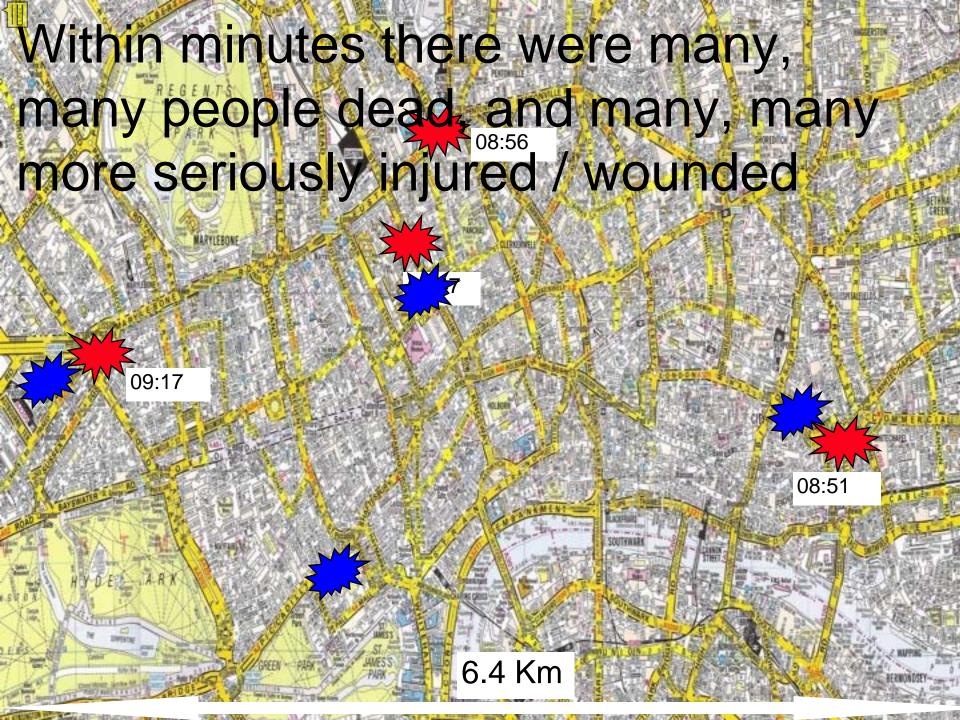
The 6th July 2005 is the day London wants' to remember ...





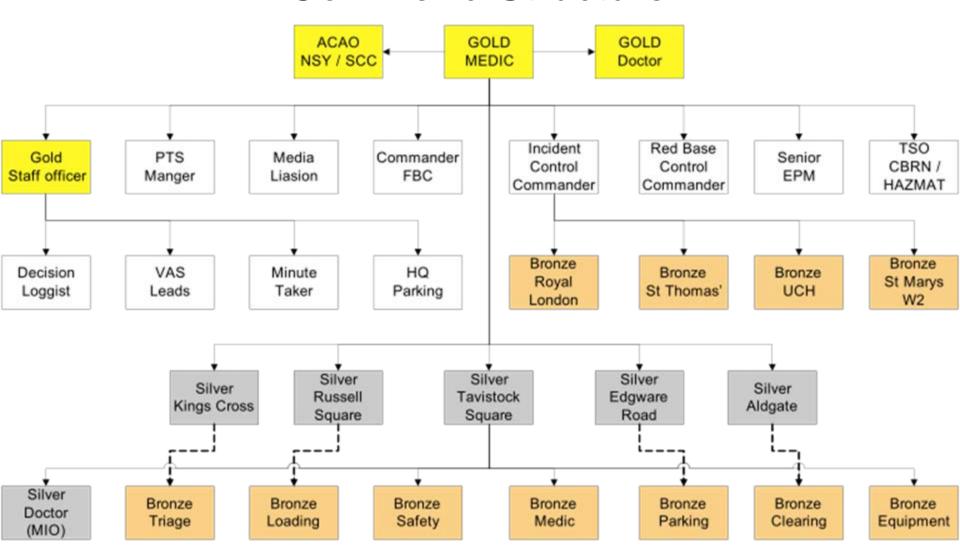








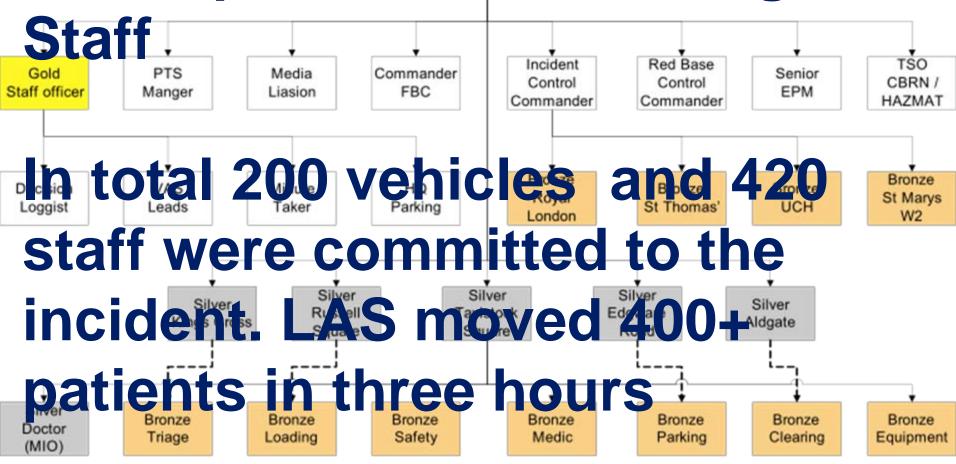
Command Structure





Command Structure

This equated to 60 + Managers /



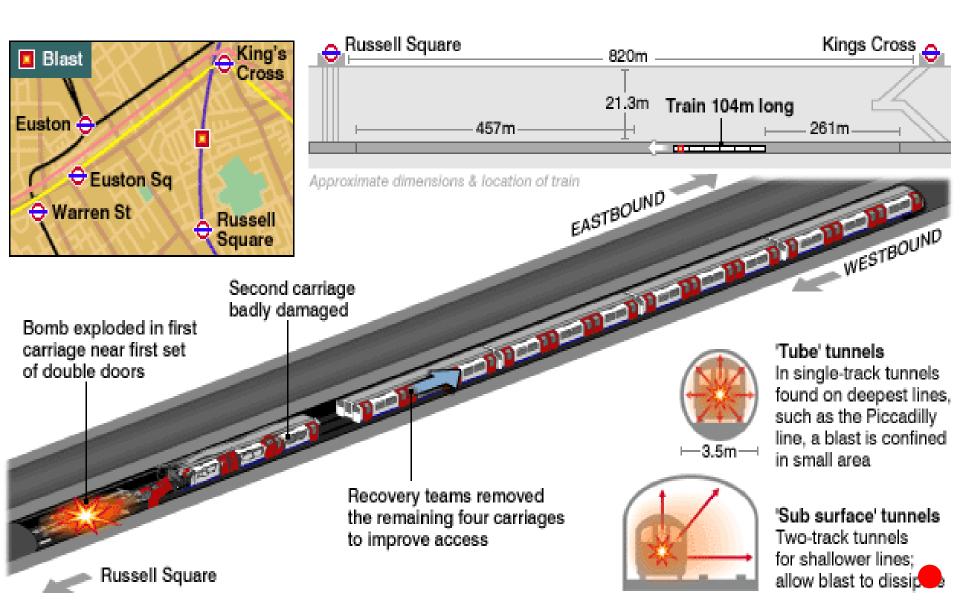


Gold Command

Keeping a service to the remainder of London still equated to 70 calls/hour resulting in 50 patients/hour:

(estimate average 1.4 calls/patient)

Russell Square / Kings Cross

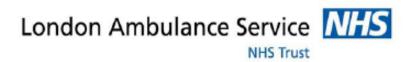












DECISION LOG 4.

TIME: Not sure – about 10:50 ish	DATE: 7th July 2005			
NAME: Mr. David WHITMORE – Senior Clinical Advisor to the Medical Director				
RECORDED BY: Mr. David WHITMORE – at 20:00 hrs approx on 7th July 2005				
PROBLEM: too many patients in the booking	g hall area			
OPTIONS:				
A: Use the pavement area outside the Station				
B: Use Tesco's opposite				
C: Use another building				
D:				
OUTCOME/ACTIONS: I asked Mr. Richards to appropriate the hote	I next door if it was appropriate			
RATIONALE: I was finding it very difficult to the booking hall. In particular I could not kee booking hall. I felt it was in evryones best int manageable groups, in particular for ease of	p an eye on all the medical staff in the erests to split the patients into more			
SIGNATURE:				





DECISION LOG 5

NAME: Mr. David WHITMORE - Senior Clinical Advisor to the Medical Director

RECORDED BY: Mr. David WHITMORE – at 20:00 hrs approx on 7th July 2005

PROBLEM:

The medical staff on scene wanting to "just take the patients to GoS or the National, as you have no ambulances"

OPTIONS:

A: Accede to their requests as I had no idea when the ambulances would in fact arrive

B: Use police transport to GoS, National Queen Square

C: Stay put as I could maintain command of the situation.

OUTCOME/ACTIONS:

I made a stance and insisted tat the patients stay where they were for the time being until I had assurances that if they were to be moved to GoS or the National that these Hospital were truly able to deal with them.

RATIONALE: I did not want to move patients any more than was necessary. I also was acutely aware that the GoS and the National may not be in any real state to deal effectively with the patients and thus only present the LAS with an un-necessary secondary transfer problem at a time when we were already pushed to the limits for vehicles of any sort. After a lot of thought and deliberation after this incident I still believ I made the correct decision at the time

SIGNATURE:



We now deploy the following Pre-Determined Attendances (PDAs)

Explosions, train crashes and airport incidents:

Six ambulances and six officers are deployed upon identification of the incident or incidents, without waiting for reports from the scene.

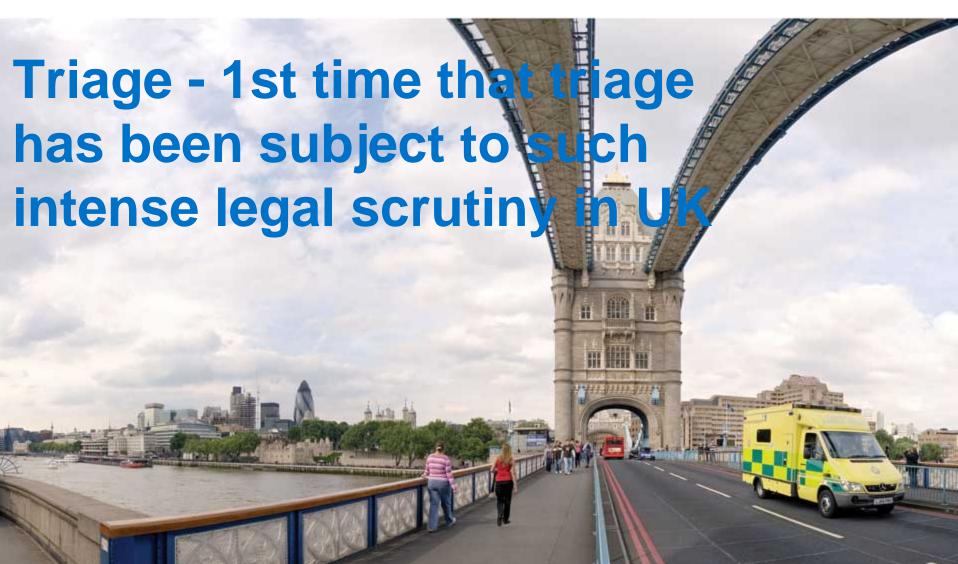
Declared major incident:

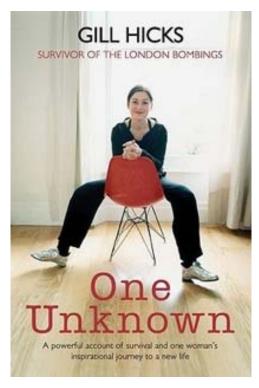
20 ambulances, 10 officers, all available Mass Casualty Equipment Vehicles, an Emergency Command Vehicle with Forward Command TEam, a **Medical Emergency Response Incident Team**. Ambulance liaison officers should also be deployed to designated hospitals.





London Ambulance Service NHS Trust





One of the many success stories, but very personal to me.





GILL HICKS



Testament to the success of Triage principles, multidisciplinary teamwork (none of whom had ever met each other before the bombings), all allied to determination not to give up if there was even a slight chance.

Although I made a sumber of True decisions regarding Gill, I always assumed that she had not survived overall.

One

My joy on seeing a newspaper article about her some months later, literally gave me palpitations.





Gill's own words

And then I heard two words, two of the best words that I could ever hear - "P(riority) One" - and a tag of some sort was placed on me. That sounded fantastic!

One man held my hand. He didn't let go. I was so cold but I could feel his warmth.

Amendment to Bronze Triage made 2005

Primary Triage Officer

Formalised as a bronze role responsible for the initial triage of patients at the forward incident site. Ideally a team of two

Secondary Triage Officer

Formalised as a bronze role responsible for the triage sort of patients in the Casualty Clearing Station.





Triage Decisions

You must provide evidence to;

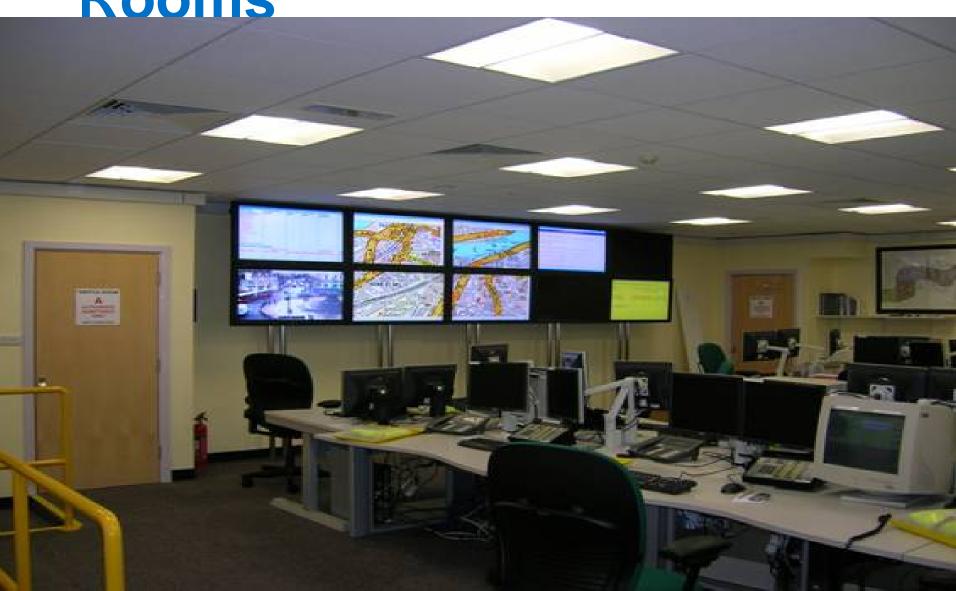
- Justify decisions
- Prove formal education <u>and</u> training that put those decisions into action.



Some Good Fortune

- Helicopter Emergency Service (HEMS) Clinical Governance Day
 - 18 pre-hospital doctors available +12 Paramedics
 - Able to provide good medical support on each site.
- London Ambulance Service Senior Officers
 Conference -100 managers in one place
- Bus explosion right outside the BMA (British Medical Association)
 - Many experienced doctors on site

1 of 2 New Incident Control Rooms



Assume Communications Fail: use runners





Patient Liaison



Appoint Patient Liaison
Officer

To communicate with patients and members of the public, throughout the incident



Communications

Information overload – critical messages overlooked / Complexity of the command structure

Silver and Bronze Teams deployed to multiple sites

We will now look at a Silver Command Team remote from



Critical Incident Loggist

New role responsible for maintaining the critical incident log - a list of critical entries taken from the overall incident log highlighting those requiring urgent action.









Communication problems

Incidents at multiple sites

Delay in despatching resources

Close location of secondary incident

Resources sent to wrong location

Lack of information to local hospitals

Clinical staff self deploy







Leadership / Training / Education for Role

Can you evidence that your Bronze Silver and Gold are fit for purpose??







Exercise

Again

Again



Realism - Must stretch / test - Use professional actors



Again

Again



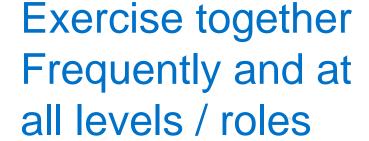


Do you know how they can help you?



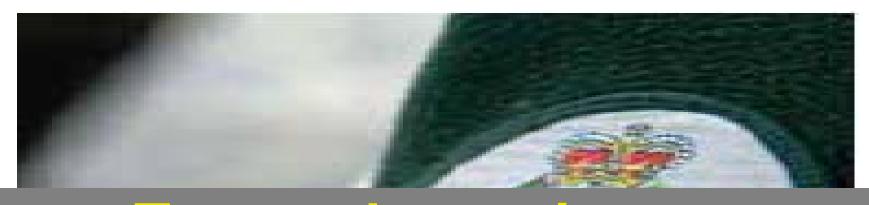


Do you know how they can operate?



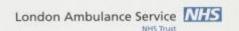


BUT: Do I know enough about you?



Test and exercise my leadership in your environment





Staff Welfare

- Culture
- Peer Support workers
 -LINC
- TRIM (Trauma Risk Management)
- Occupational Health
- Counselling
- Welfare Department
- Attendance at scene
 and ongoing mental welfare



informal non-judgemental confidential



Resilience

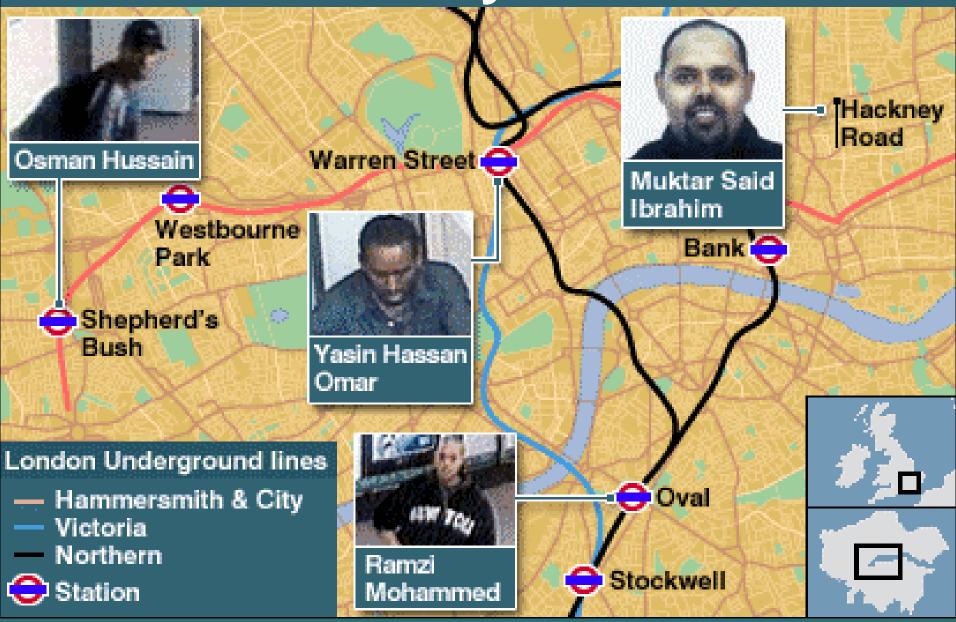


- Threat level at Critical for months
- Possible second terrorist cell at large
- Hundreds of suspect packages/Gridlock
- Multiple Police operations
- Ongoing GOLD multi-agency meetings
- Managers & Staff of all grades tired and "on edge"



BOMB SUSPECTS

21st July 2005





Key Messages NHS Trust



- First time Western Europe had seen suicide bombers. Mindsets must change
- Multiple simultaneous incident exercises required
- Triage needs constant practicing
- Extensive planning before the event is essential
 - "Role not Rank" needs extensive exercising
- Communications if they fail how will you carry on



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http://www.london.gov.uk/who-runs-london/the-london-assembly/publications/safety-policing/report-7-july-review-committee

http://7julyinquests.independent.gov.uk/

http://www.leslp.gov.uk/docs/Major_incident_procedure_manual_7th_ed.pdf





Thank You