

The Value of Smarter Public Safety and Security.....

or

"We can all do better...."

Chief Superintendent Keith Bentley (retired)

8th October 2013

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Video Intro Clip

Smarter Policing in a data rich community

A Great Success Story... but how do we do it ALL Day and EVERY Day?







Spending Review 2015-16

Intelligence Led Policing



- Budget cut of "less than 6%" for police
- Counter-terrorism budget protected
- Home Office resource budget cut by 6%
- Justice resource budget cut by 10%
- Prison costs to be reduced by £180m and court costs by £200m



Mr Speaker, with the weight of the new evidence in this Report, it is right for me today as Prime Minister to make a proper apology to the families of the 96 for all they have suffered over the past 23 years.

Indeed, the new evidence that we are presented with today makes clear that these families have suffered a double injustice.

The injustice of the appalling events - the failure of the state to protect their loved ones and the indefensible wait to get to the truth.

And the injustice of the denigration of the deceased – that they were somehow at fault for their own deaths.

On behalf of the Government – and indeed our country – I am profoundly sorry for this double injustice that has been left uncorrected for so long.

Cop who was cleared of killing newspaper seller during G20 riots to be sacked

PC SIMON HARWOOD, who admitted using unnecessary force when he hit lain Tomlinson and forced him to the ground during the riots in 2009, is to be dismissed from the police.







Project Sapphire





Working together for a safer London

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MPS Home >

Project Sapphire

- Home
- Advice for victims of rape
- The Havens (Sexual Assault Referral Centres)
- Staying safe
- ▶ FAQs
- Myths about rape
- Contact us
- Useful contacts

Project Sapphire

What is Sapphire?

Project Sapphire specialises in investigating rape and sexual assault cases and to provide victims with the support and care they need.

Each borough has a dedicated Sapphire team which has specially trained officers to investigate rape and look after victims, ensuring they are provided with the information they need including the details for any partner agencies and kept up to date with any developments.

Project Sapphire has helped to continually improve the services offered to victims and developed a corporate approach to tackling rape, which will be communicated to all staff.

But ... standard investigations can go very wrong



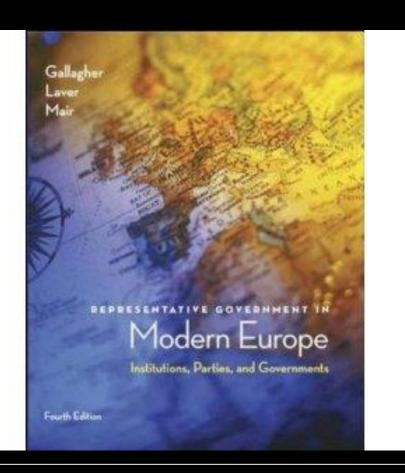
Video Clip

Kirk REID

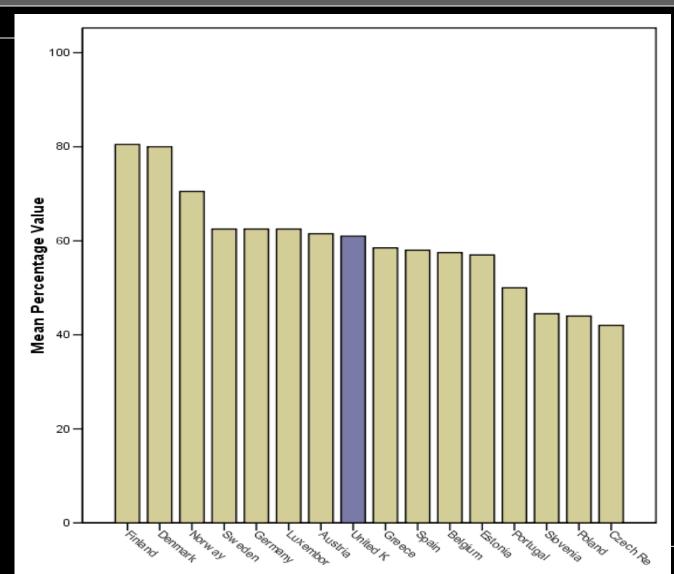




Many studies conducted during the last 20 years have uncovered a trend which coincides with fragmentation and political de-alignment across society







Kääriäinen (2007) European Journal of Criminology 2007; 4; 409

Trust in the Police - 16 European Countries



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Trust in the leading professions

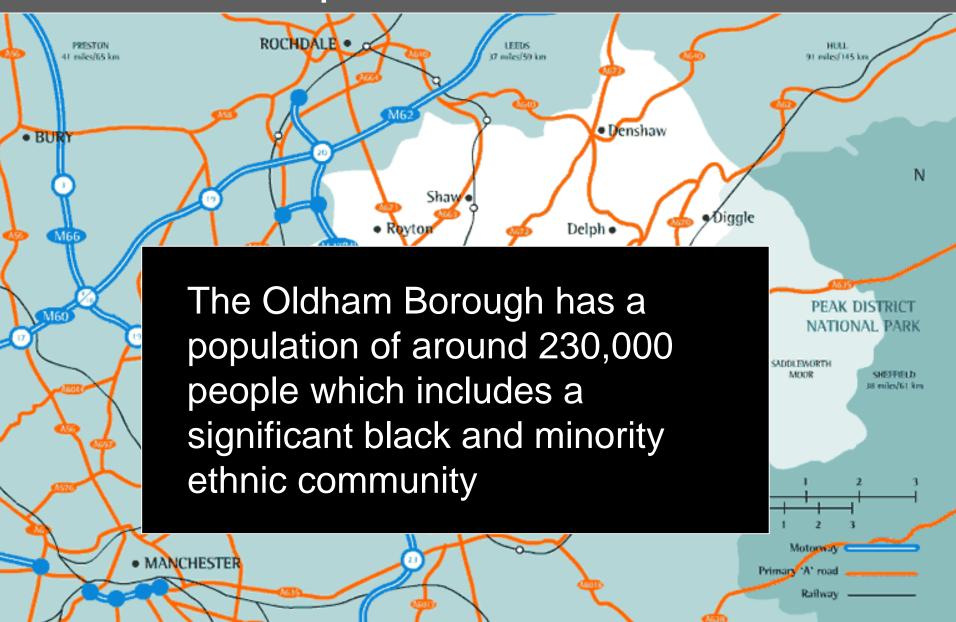
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	Doc	Tea	Prf	Jud	Cle	Sci	TV	Plc	Ord	Pls	Civ	TU	Bus	Gov	Jou	Plt
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Tell the	truth															
1983	82	79	n/a	77	85	n/a	63	61	57	n/a	25	18	25	16	19	18
1993	84	84	70	68	80	n/a	72	63	64	52	37	32	32	11	10	14
1997	86	83	70	72	71	63	74	61	56	55	36	27	29	12	15	15
1999	91	89	79	77	80	63	74	61	60	49	47	39	28	23	15	23
2000	87	85	76	77	78	63	73	60	52	46	47	38	28	21	15	20
2001	89	86	78	78	78	65	75	63	52	46	43	39	27	20	18	17
2002	91	85	77	77	80	64	71	59	54	47	45	37	25	20	13	19
2003	91	87	74	72	71	65	66	64	53	46	46	33	28	20	18	18
2004	92	89	80	75	75	69	70	63	55	49	51	39	30	23	20	22
2005	91	88	77	76	73	70	63	58	56	50	44	37	24	20	16	20
2006	92	88	80	75	75	72	66	61	56	51	48	41	31	22	19	20
2007	90	86	78	78	73	65	61	59	52	45	44	38	26	22	18	18
2008	92	87	79	78	74	72	66	65	60	48	48	45	30	24	19	21
2009	92	88	80	80	71	70	63	60	54	45	44	38	25	16	22	13



Oldham Division covers an area of 55 square miles







IBW.







"I shut my door and hope that nothing touches me"

A Resident





Signal Crimesthe Core Message



About communities identifying & prioritising local crime and disorder issues which they tackle together with the police and public services, to ensure neighbourhood security



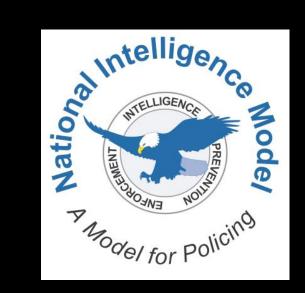


What matters most in your street?

The National Intelligence Model



WHAT IS NIM AND HOW IS IT USED ?



A business model used by the police service, and increasingly by other partners, to ensure that policing is delivered in a targeted manner through the development of information and intelligence

High Level Overview



WHAT IS NIM AND HOW IS IT USED?

EXAMPLES.....



- Direct patrols
- Target Prolific and Priority offenders
- Work effectively with partners
- Drive problem solving
- Improve road safety
- Manage priority issues and locations
- Guide Neighbourhood policing
- Understand Criminality



HOW DOES NIM WORK?



Works at 3 Levels

Local

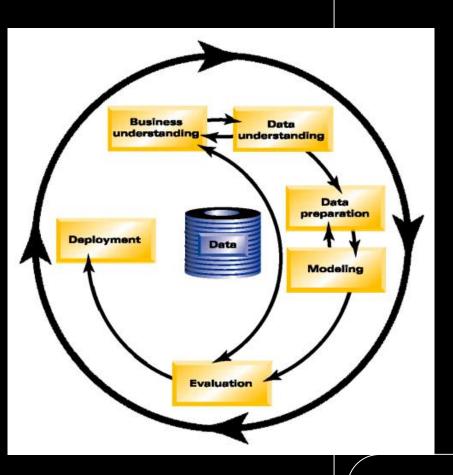
Regional

National

The Management Information Unit



CRISP-DM

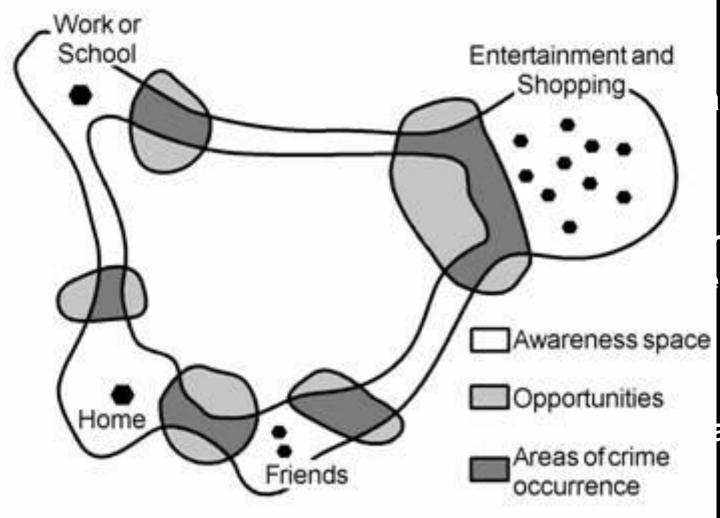


- Routine Activity Theory
- Crime Pattern Theory
- Graphical Information

Accountability

Routine Activity Theory





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are present at time

Traditional Crime Pattern Theory



Criminals have lifestyles which determines their knowledge of the world

They will choose areas that give them best chance of "escape"

Their crimes will be in locations that mix their routine activities and their awareness spaces (1 and 2 above)

They will learn from & instruct others



Fundamental PROBLEM with Crime Pattern Theory

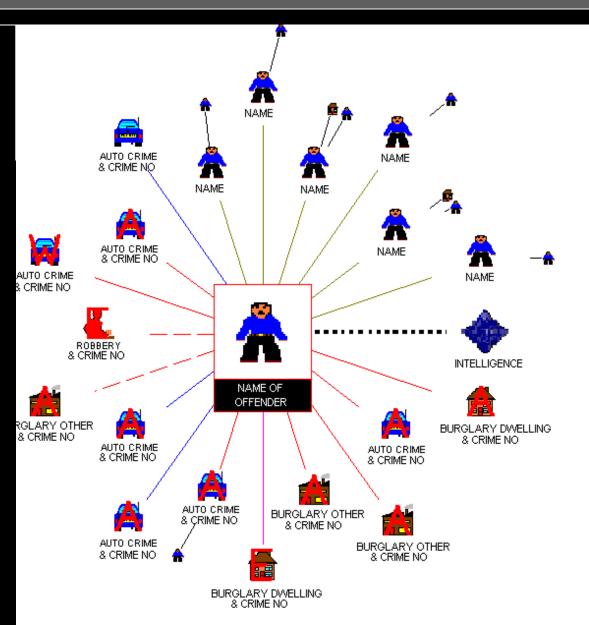
The lack of theory that is incorporated into crime analysis products, such as failing to describe why hotspots are persistent in certain areas (rather than just describing the fact that a hotspot exists in an area), means that analysis products can often lack substance and tend to be merely descriptive

Business Understanding with IBM Software



Crime Theory Offender Networks





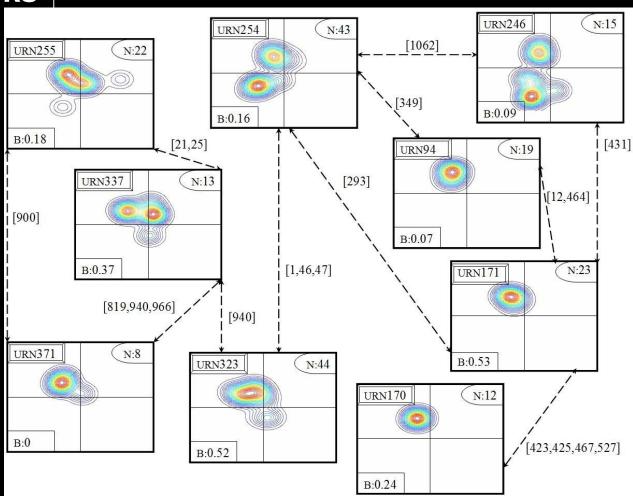
Business Understanding with IBM Software



Crime Theory Offender Networks

Combination Network and Spatial Analysis



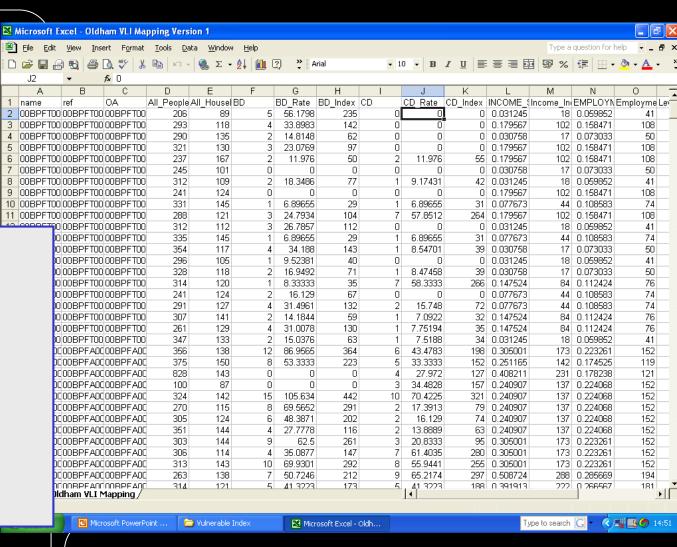


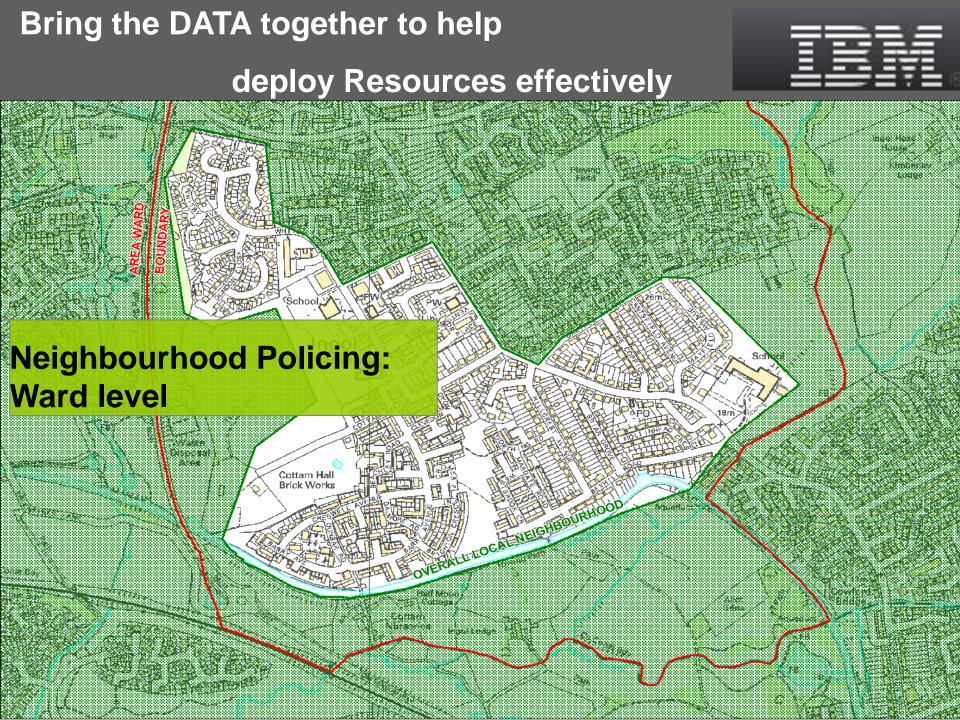
Vulnerable Localities Index



711 Census Output Areas for Oldham Borough

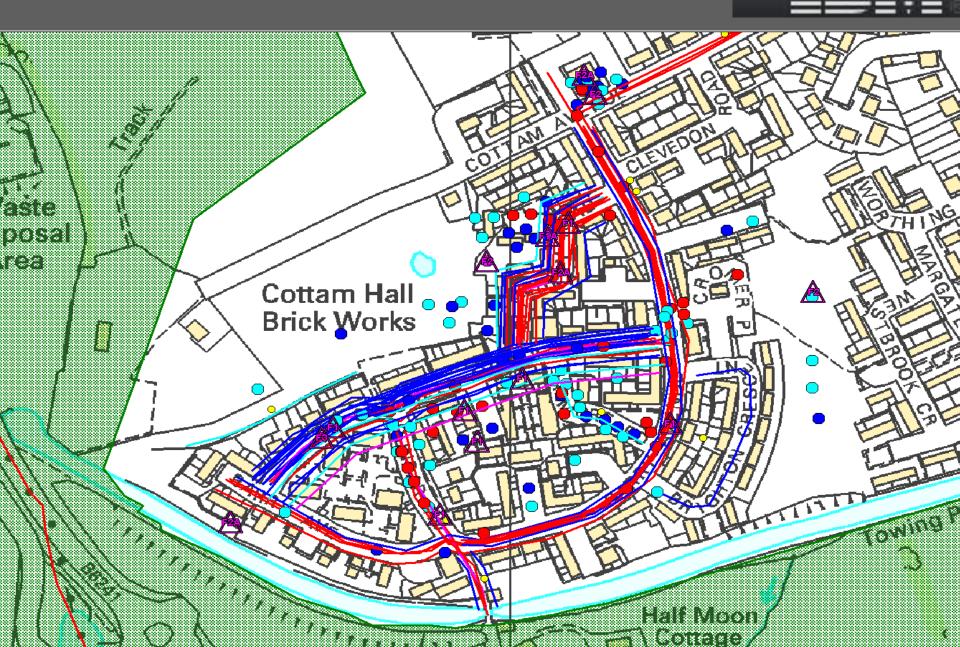
Crime
Housing
Employment
Education
Income





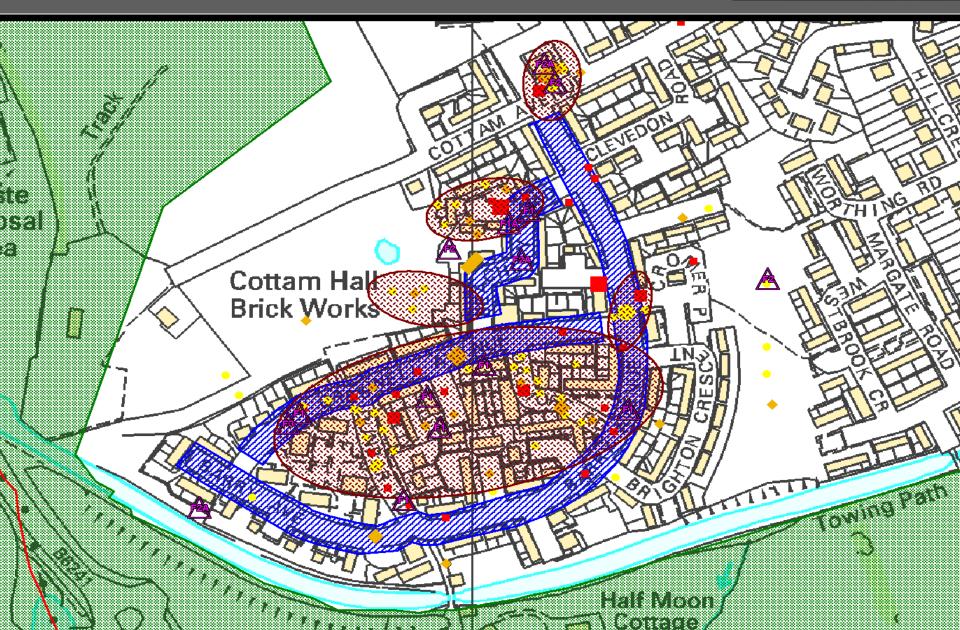
Risk Perception Data





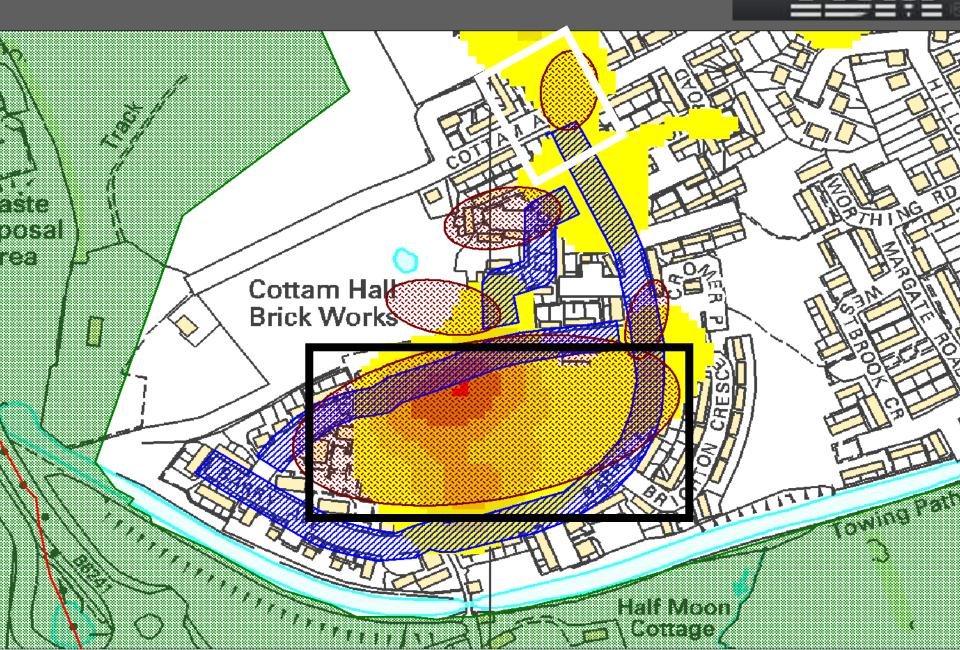
Neighbourhood Partnership Data





Combine with Recorded Crime Data













Dr. Gene Abel – 1980s research

232 child molesters admitted 55,000 incidents of molestation against 17,000 victims

561 general sex offenders, admitted 291,000 offences against 195,000 victims!

Data Understanding



- National Crime Faculty Database for Serious Sexual Offences
- Violent Crime Linkage Analysis System (ViCLAS)
- Facts Relating to the Crime
- Offender Behaviour Traits
 - > Approach Speech Precautions
- Index Case enquiry
 - > SQL Searching
- National Intelligence Model
 - > Offender and Target Profiles

Data Understanding



Police Force Crime Recording System Intelligence

- Facts Relating to the Crime
 - > Free Text Modus Operandi
 - > Free Text Offender Descriptions

- Patterns of Crime
 - > SQL Searching Spatial and Temporal
 - **▶** Reactive Policing Operations

The Sexual Offences Data Set



Integrate ViCLAS and Force Crime Data

- March 2000 to June 2005
- 2370 Recorded Crimes
- 3310 Offenders
- 1015 of the 3310 are "Known" Offenders

NB. "Known" offender is someone arrested for the parent crime but *may* have committed other sex crimes

Best Hit was 19 of 22 Crimes in a Single Series identified

- 12 Offenders subsequently received prison sentences
- 2 Crimes clarified with the offender using a different approach MO
 - 8 Clusters of different detection precautions taken
 - 1 Crime in a Neighbouring Force Area detected

Questions and Discussion



Building Communities, Beating Crime

A better police service for the 21st century







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