

OPERATION ASTRO



**Reducing Dwelling
Burglaries
2015-2016**

Welcome to Durham



...the 'other side' of Durham



Public Health
England

Protecting and improving the nation's health

County Durham

Unitary Authority

This profile was produced on 2 June 2015

Health Profile 2015

Health in summary

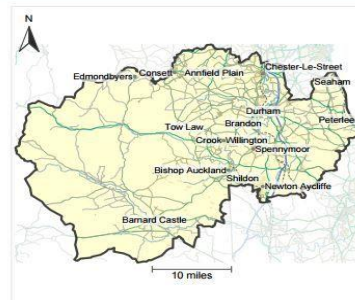
The health of people in County Durham is varied compared with the England average. Deprivation is higher than average and about 22.7% (20,100) children live in poverty. Life expectancy for both men and women is lower than the England average.

Living longer

Life expectancy is 7.0 years lower for men and 7.5 years lower for women in the most deprived areas of County Durham than in the least deprived areas.

Child health

In Year 6, 21.3% (1,038) of children are classified as obese, worse than the average for England. The rate of alcohol-specific hospital stays among those under 18 was 69.9*, worse than the average for England. This represents 70 stays per year. Levels of teenage pregnancy, breastfeeding and smoking at time of delivery are worse than the England average.



OPERATION ASTRO



Objectives

- Reduce the rate of dwelling burglaries in areas which have suffered high rates of repeat offences.
- To target Safer Homes funding effectively and efficiently.
- To maintain and improve confidence of residents and the community.

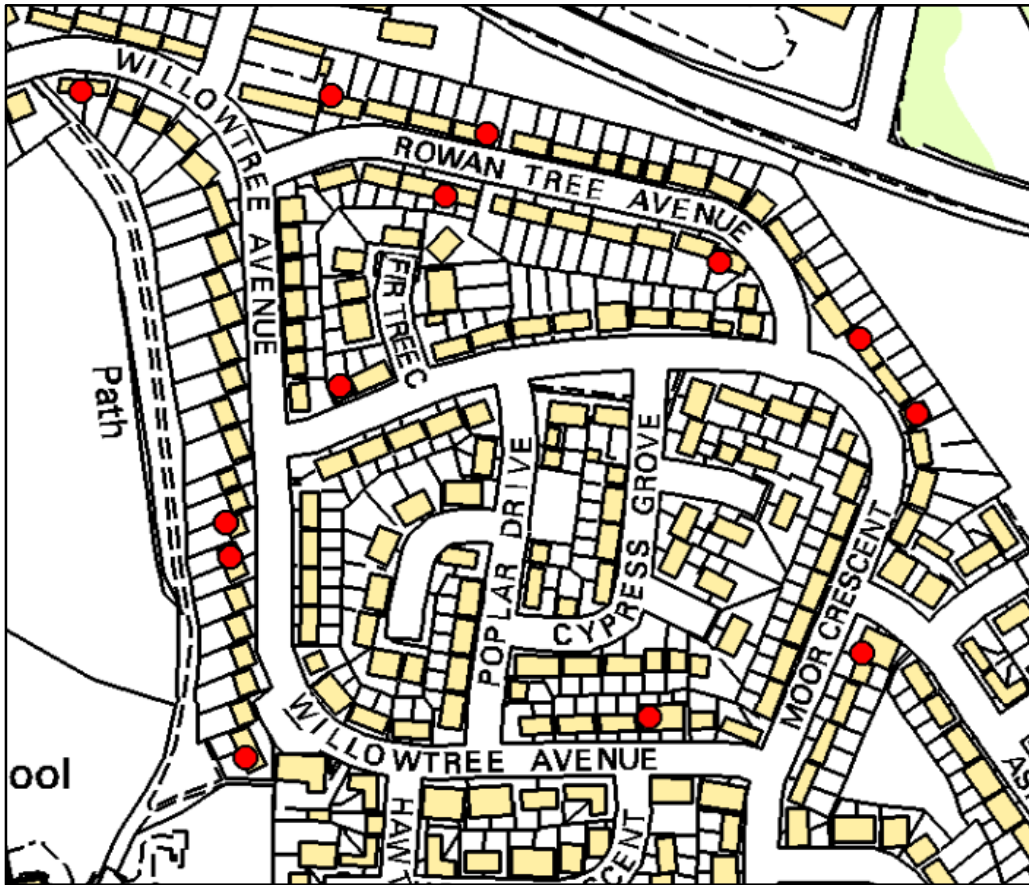
Scanning



- Which locations are repeatedly targeted for dwelling burglaries?

High Grange Estate

Durham



Spot the pattern?

Spot the vulnerabilities?

High Grange Estate

Durham



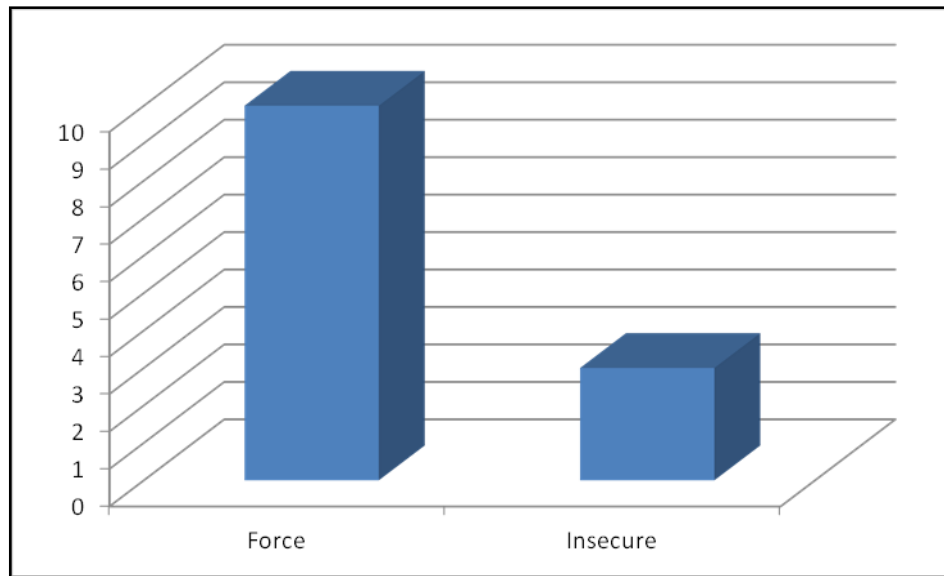
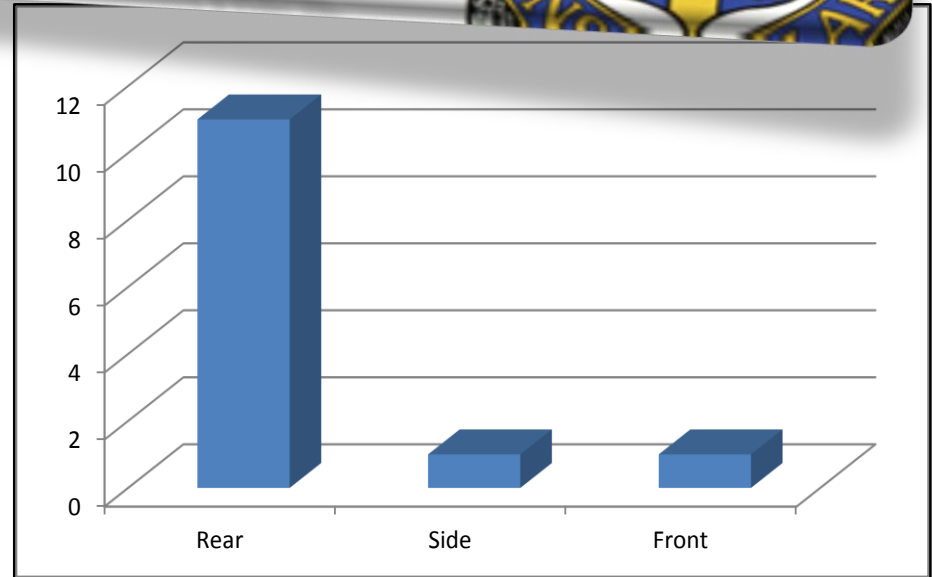
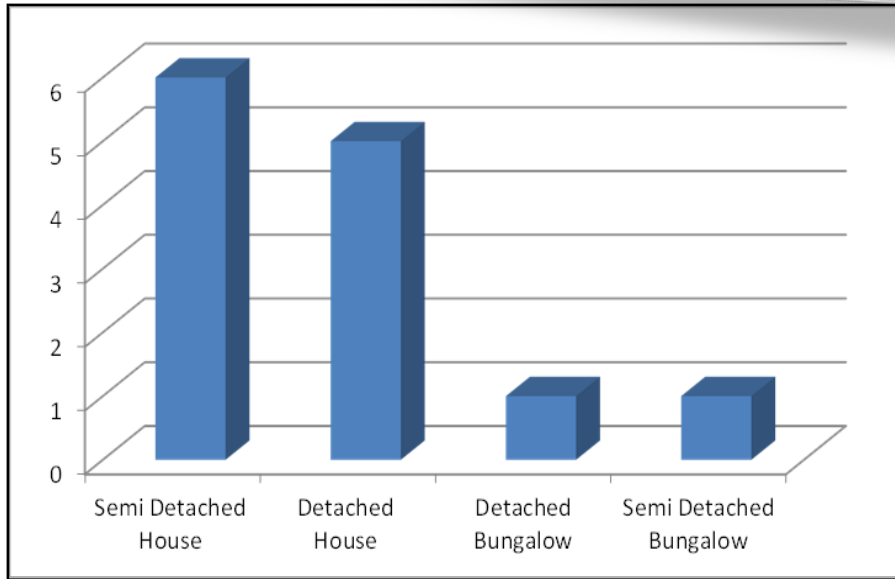
Aerial View



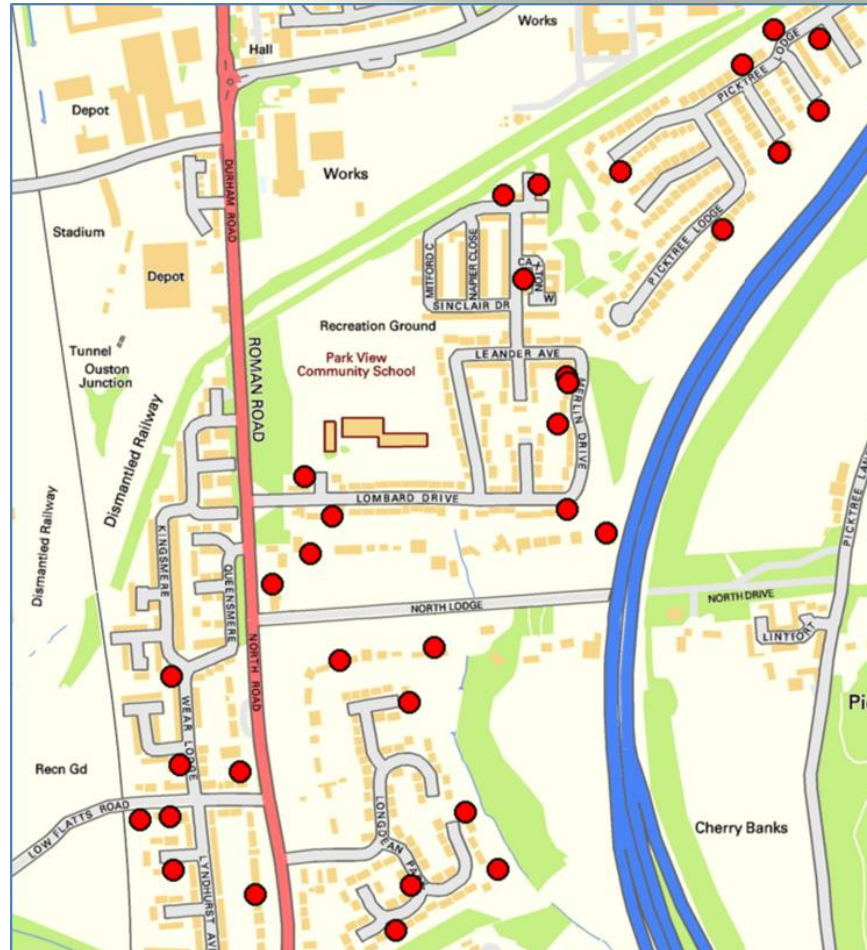
Ground view to rear of properties on Willowtree Avenue

High Grange Estate, Durham

Point of Entry/Method of Entry

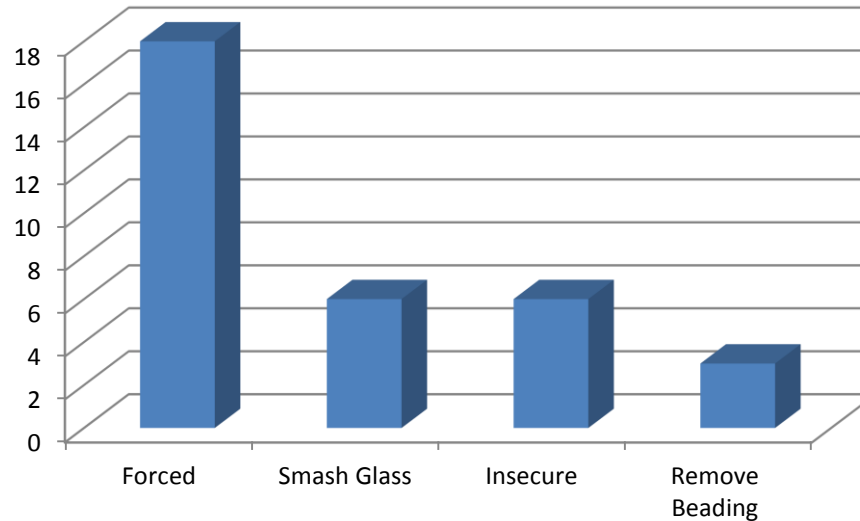
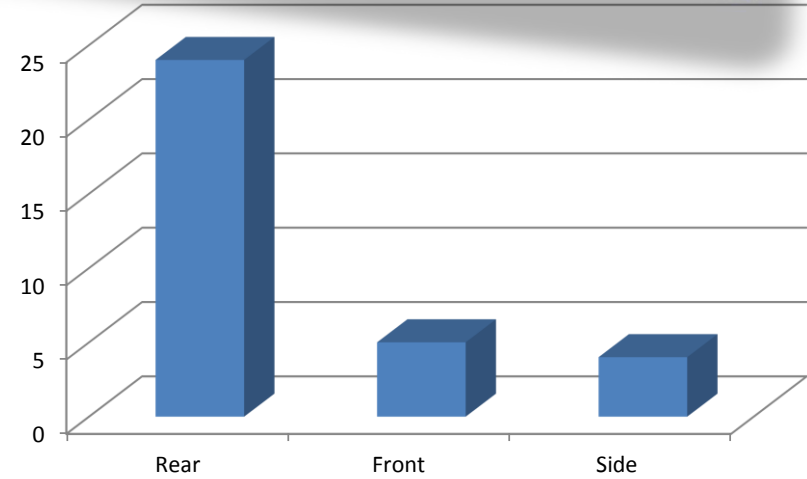
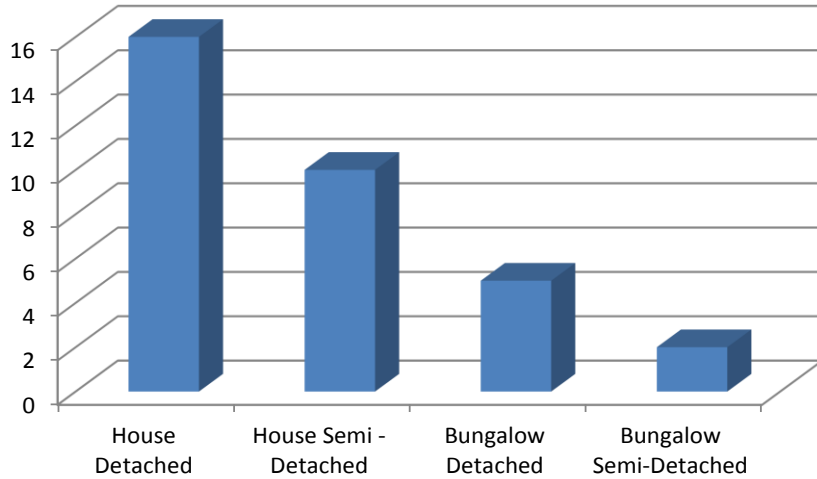


North Lodge Chester le Street

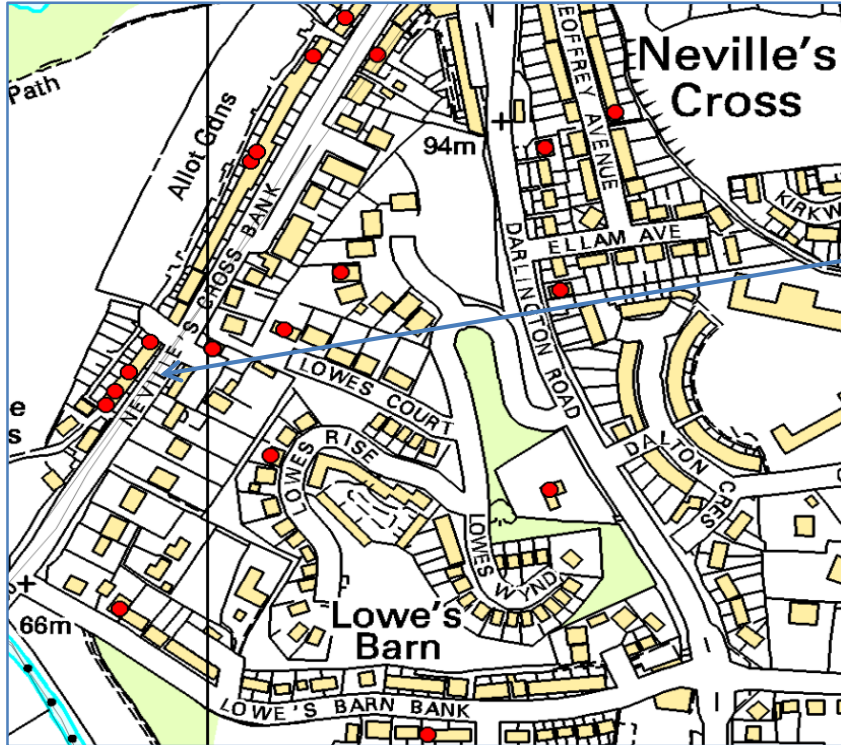


North Lodge Chester-le-Street

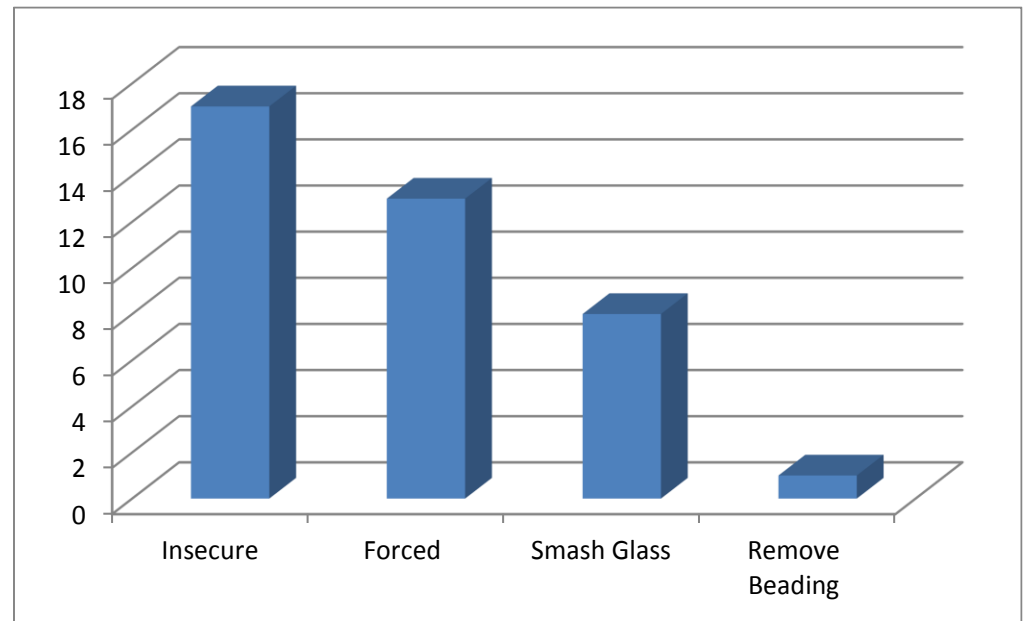
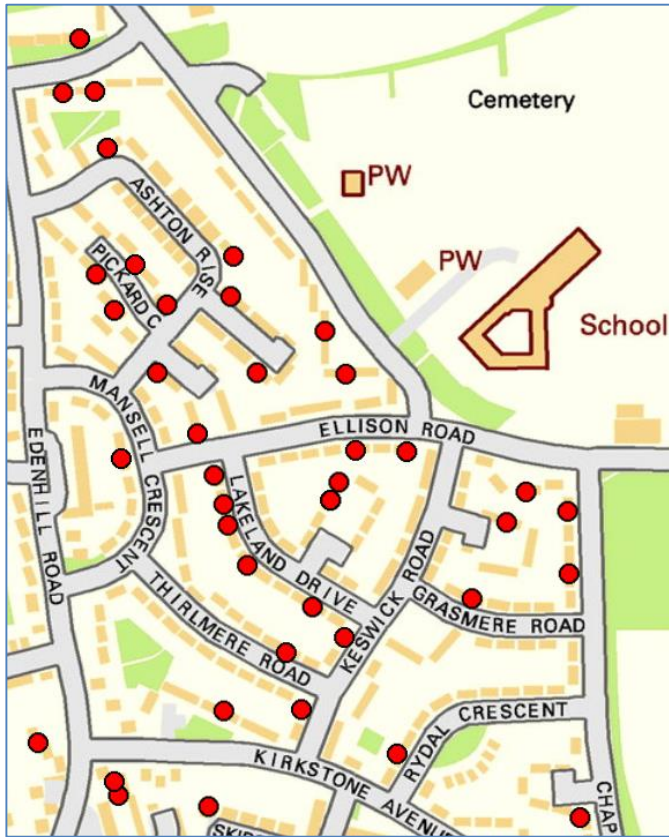
Point of Entry/Method of Entry



Neville's Cross



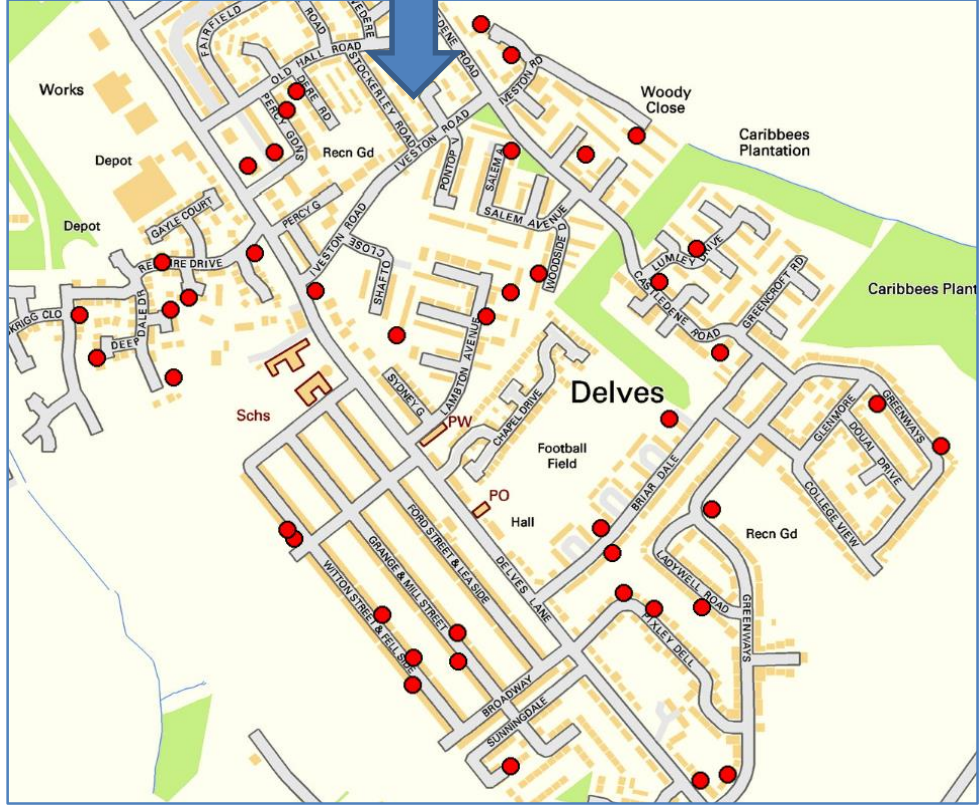
Edenhill North, Peterlee





Bournmoor, CLS

Delves Lane



Target and control areas to measure effectiveness

Target Area	Control Area
High Grange Estate – Gilesgate(D2B)	Area A
Neville's Cross (D5C/D5D)	Area B
North Lodge (G1A)	Area C
Delves Lane (I1B)	Area D
Bournmoor (G4C)	Area E
Edenhill North (E1D)	Area F





Together Better Policing

Durham Constabulary Shop Watch



All are active criminals targeting property's throughout the Northeast for jewellery and cash. If any of the above attends your store to sell goods please contact Police using the



Analysis - P.A.T - 1st Layer

Offender

- Op Vienna
- Op Orbit
- Tasking and Coordinating
- Target setting
- Burglary review meetings

Location

Crime Reduction Officers

- Physical security -most appropriate and efficient tactics?
- Tactics for individual householders and /or public areas?



Victim

Community Liaison Officers & NPT

- Education and advice to influence householders behaviour?
- How can occupants be encouraged to improve security at their own expense?
- Engagement through PACT, local meetings and forums.



P.A.T – 2nd Layer

Handlers

- Intelligence Strategy
- Restorative Justice??
- Clean Slate??

Manager

How can partners assist?

- Residents associations
- Housing associations
- Local authority



Guardian – Victim

- NHW assessments – how effective is the NHW scheme in that area?



Hypothesis

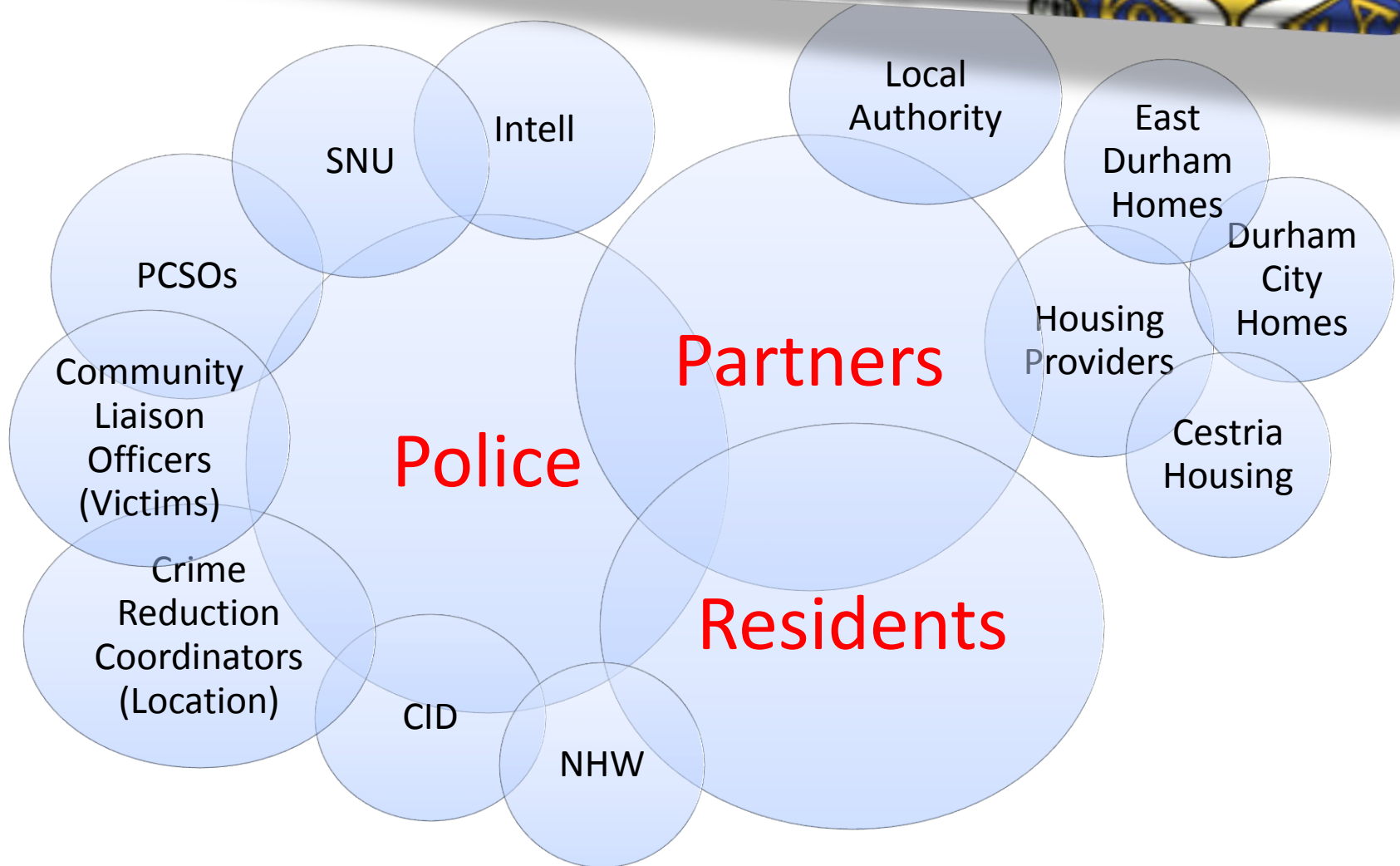


Offenders repeatedly target areas which they are familiar with and which have previously proved lucrative.



Visible and behavioural changes will alter the offender's perception and deter them from returning to that area.

Working in Partnership



Response



- **SURVEYS** – conducted by Crime Reduction Officers of each target area alongside the local PCSO and Community Liaison Officer
- **ENGAGEMENT WITH RESIDENTS** - provided with Safer Homes Packs, advice around security measures and equipment which can be provided at the householders expense.
- **COMMUNITY FORUMS** – community meetings, residents groups were attended.
- **NHW** - promote Neighbourhood Watch coverage, encouraging existing schemes to carry out works themselves, e.g. – application of anti-climb paint.
- **LOCAL AUTHORITY** - Worked in partnership with the local council e.g. erect suitable deterrent signage, lighting repairs.
- **SOCIAL HOUSING PROVIDERS** - Worked collaboratively communicate with residents and practical assistance e.g. maintenance departments fitting products

**WARNING TO
CRIMINALS**

WE ARE WATCHING YOU

Response

Equipment Supplied

Safer Homes Pack – 1019

Light Timers – 117

Simulated TVs – 122

Anti Climb Paint -48

Door Chimes - 60

Solar Lights

Fence Spikes

Signage

Shed alarms



Response

Targeted **145** especially **VULNERABLE HOUSEHOLDS** with tailored response, making use of the following equipment:

- **Prikka-Strips**
- **Anti-Climb Paint**
- **Appropriate Signage**
- **Light Timers**
- **Simulated TVs**
- **Solar Lights**
- **Shed Alarm**
- **UV Pens**



Assessment



Key Findings - Quantitative

- When compared to the 5 year annual average there were crime reductions in burglaries in 5 of the 6 Target Locations, with the other remaining at the same level.
- The burglary level changes between 2014/2015 & 2015/2016 in 5 of the 6 locations (4 reductions; 1 static) compare favourably with the 15.75% increase witnessed across the force.
- The burglary level change between 2014/2015 & 2015/2016 in 5 of the 6 locations compares favourably with the increases witnessed in each of their respective sectors.
- When the target period is compared to the 5 year annual average, all 6 Target Locations have preferable % changes to their respective Control Areas.

Data from the initial 5 year scan and review period for the Target and Control areas

Target/Control Locations	5 Year Total	5 Year Annual Average	2015-2016	% Change
HIGH GRANGE ESTATE (D2B)	15	3	3	0
AREA A	12	2.4	3	25%
NEVILLE'S CROSS (D5C/D5D)	20	4	1	-75%
AREA B	14	2.8	2	-28.50%
NORTH LODGE (G1A)	34	6.8	2	-70.50%
AREA C	26	5.2	5	-3.80%
DELVES LANE (I1B)	43	8.6	1	-88.30%
AREA D	18	3.6	10	178%
BOURNMOOR (G4C)	40	8	4	-50%
AREA E	19	3.8	3	-21%
EDENHILL NORTH (E1D)	41	8.2	3	-63.40%
AREA F	44	8.8	6	-31.80%

Data from the initial 5 year scan and review period for the Target and Control areas

Target Locations	2010 - 2011	2011 - 2012	2012- 2013	2013- 2014	2014- 2015	5 Year Total	5 Year Annual Average	2015- 2016	% Change on 5 Year Annual Average	% Change 2014/2015 & 2015/2016	% Change 2014 /2015 & 2015/2016 - Forcewide	% Change 2014/2015 & 2015/2016 - Sector Level
HIGH GRANGE ESTATE (D2B)	1	5	4	2	3	15	3	3	0	0	15.75%	16.10%
NEVILLE'S CROSS (D5C/D5D)	6	3	2	4	4	20	4	1	-75%	-75%	15.75%	16.10%
NORTH LODGE (G1A)	3	1	11	14	5	34	6.8	2	-70.50%	-60%	15.75%	10.50%
DELVES LANE (I1B)	13	10	8	3	9	43	8.6	1	-88.30%	-88.90%	15.75%	42%
BOURNMOOR (G4C)	6	8	13	12	1	40	8	4	-50%	300	15.75%	10.50%
EDENHILL NORTH (E1D)	7	12	12	5	5	41	8.2	3	-63.40%	-40%	15.75%	23.40%
Control Locations												
AREA A	1	1	5	3	2	12	2.4	3	25%	50%	15.75%	16.10%
AREA B	2	2	5	3	2	14	2.8	2	-28.50%	0	15.75%	16.10%
AREA C	6	4	5	5	6	26	5.2	5	-3.80%	-16.70%	15.75%	10.50%
AREA D	3	4	2	6	3	18	3.6	10	178%	233%	15.75%	42%
AREA E	1	5	5	3	5	19	3.8	3	-21%	-40%	15.75%	10.50%
AREA F	4	13	6	9	12	44	8.8	6	-31.80%	-50%	15.75%	23.40%

Cost of Products = £5,000

Home Office Research

Cost of ONE Dwelling Burglary=



Police	•£576
Criminal Justice	•£1,137
Overall	•£3,266

Assessment



Qualitative Evaluation

- The initial assessment **supports the hypothesis** that targeted crime prevention reduces dwelling burglary rates.
- The importance of behaviour of victims alongside physical security is difficult to determine quantitatively but feedback from residents in the targeted areas supports the notion that **education and advice which changes behaviour is a crucial factor** to promote.

Assessment



'By products'

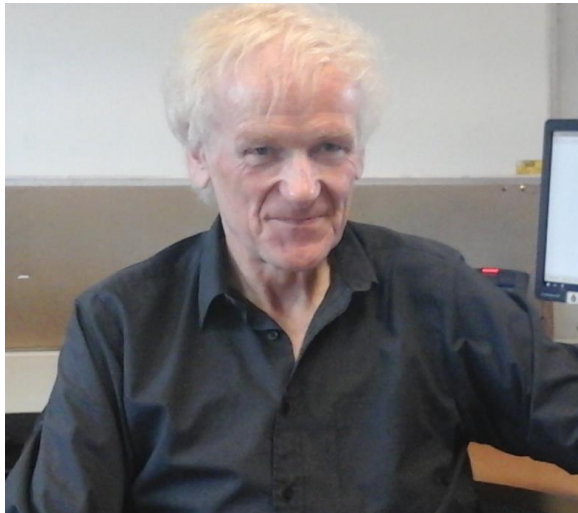
- **CLOSER INTERNAL WORKING** - The effectiveness of closer working between Safer Neighbourhood Units, Crime Reduction Officers, CID and the Media team resulted in a **regular forum to promote force wide media and publicity opportunities** for other aspects of Volume Crime and a delivery of work through the **Volume Crime Calendar**.
- **GOOD PRACTICE** - Identified as good practice in force and highlighted by Durham Constabulary Partnerships Department to
 - College of Policing and
 - Her Majesties Inspectorate of Constabularies (HMIC)

Questions?



Thank you

Steve Smith
Jessica Keely
Sarah Willis
Tim Thompson
Robin Chapman
David Ashton



REFERENCES



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2015 East locality 'Volume Crime' calendar



January	February	March	April	May	June
Dwelling Burglary Damage to 'Vehicles'	Burglary 'Other' Shoplifting	Clocks Fwd Dwelling Burglary Damage to 'Dwellings' & 'Vehicles'	TfMV Theft of Motor Vehicle	Theft 'Other' May Day 1 st -5 th	Damage to 'Vehicles' Half term 22 nd May to 1 st Jun
School Holiday up to 4 th Jan	Half term 13 th to 23 rd		School Holiday 27 th Mar to 13 th Apr		
July	August	September	October	November	December
Theft 'Other' Damage to 'Dwellings'	Dwelling Burglary Burglary 'Other' Shoplifting	Theft of Motor Vehicle	Clocks Back Dwelling Burglary Damage to 'Vehicles'	Burglary 'Other' Shoplifting	
	School Holiday 17 th Jul to 1 st Sep		Halloween & Bonfire Night Half term 23 rd Oct to 2 nd Nov		School Holiday 18 th Dec to 4 th Jan

Working in Partnership

