

# QCA-RSSCSE Handling Data and Statistics Project

## Important Printing Information

This pdf file contains pages suitable for printing onto OHP transparencies for the **How Safe Is Your Area?** project.

This file has been divided into two sections.

Pages 2-21 contain the main OHP pages.

Pages 22-31 contain information for particular parts of the country

It is recommended that you first review the second half of this file, then select the appropriate pages to print.

# How safe is the area you live in?



Plan



Collect

Process

Discuss

## How safe is the area you live in?

Where in the UK  
is the 'safest'  
place to live?



In which areas of  
the UK is crime  
increasing?

Which places  
are improving?

Where is the  
'crime capital' of  
the UK?

**Plan**



Collect

Process

Discuss

## How safe is the area you live in?

Are the crime figures as bad as some of the newspapers suggest?

What are the crime figures like in your area?

Are crime figures increasing each year?

Should people be more/less concerned about certain crimes?

Plan



Collect

Process

Discuss

## How safe is the area you live in?

Each year the Government records round **five million** crimes. The numbers are collected by the *Police Force* and by the *British Crime Survey*.

When crime statistics are reported, newspapers and other media concentrate on *particular* crimes:

These are called the **Six Key Crimes**.

**Burglary**

**Robbery**

**Sexual offences**

**Theft from a vehicle**

**Theft of a vehicle**

**Violence**

**Plan**



**Collect**

**Process**

**Discuss**

## How safe is the area you live in?

The question 'how safe is your area' can be looked at in two ways- by finding out the actual crime figures and by looking at how worried people are about crime.

Which approach will you use?

**Local crime  
figures**



**People's  
perceptions of  
crime**



Slide 6



## How safe is the area you live in?

Some parts of the country are more heavily populated than others. This can mean big differences in the crime statistics!

South Yorkshire, in 2004, recorded **13 455** burglaries

1 270 000 people live here.



North Yorkshire, in 2004, recorded **4 936** burglaries.

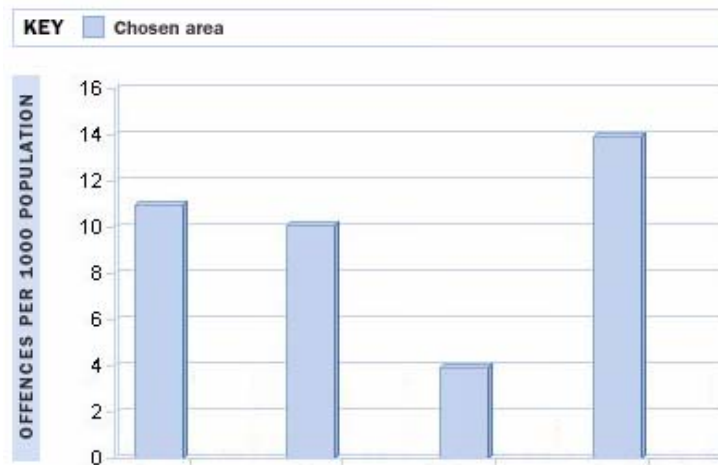
760 000 people live here.

For us to compare these in a fair way, crimes are reported for each area... based on **one thousand people**.



## How safe is the area you live in?

Someone has collected some local data for four crimes: *Drugs, Burglary, Vehicle Theft* and *Violence*.



Which crime do you think goes with which bar on the bar chart?

Can you tell if this is a high crime area?

What other data would help you to say if this is a high crime area?

Plan



Collect

Process

Discuss

## Some possible questions

How many crimes occur where you live?

What are the most occurring crimes where you live?

**Crime Statistics for your [Local Area](#)**



Click here if you want to see the areas the UK is broken into

Is where you live a high or low crime area?

**Crime Statistics for other areas**

What information do we need to be able to answer these questions?



Plan



Collect



Process

Discuss

## What data shall we collect?



Which (key) crimes will you investigate?

What is your 'local area'?

What data will you collect for your local area?

Which other areas will you collect crime data for?

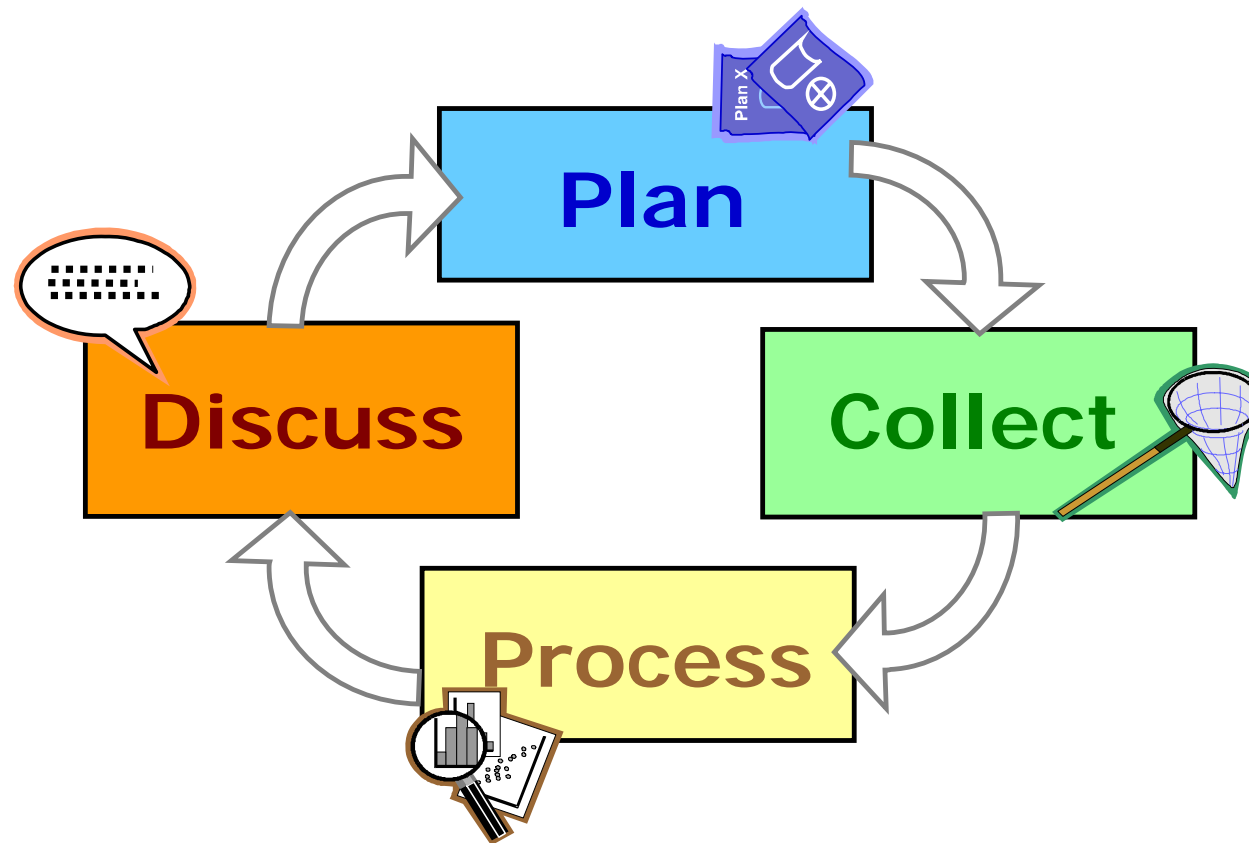
Plan

Collect

Process

Discuss

## The Problem Solving Approach



Plan

Collect

Discuss



## Process

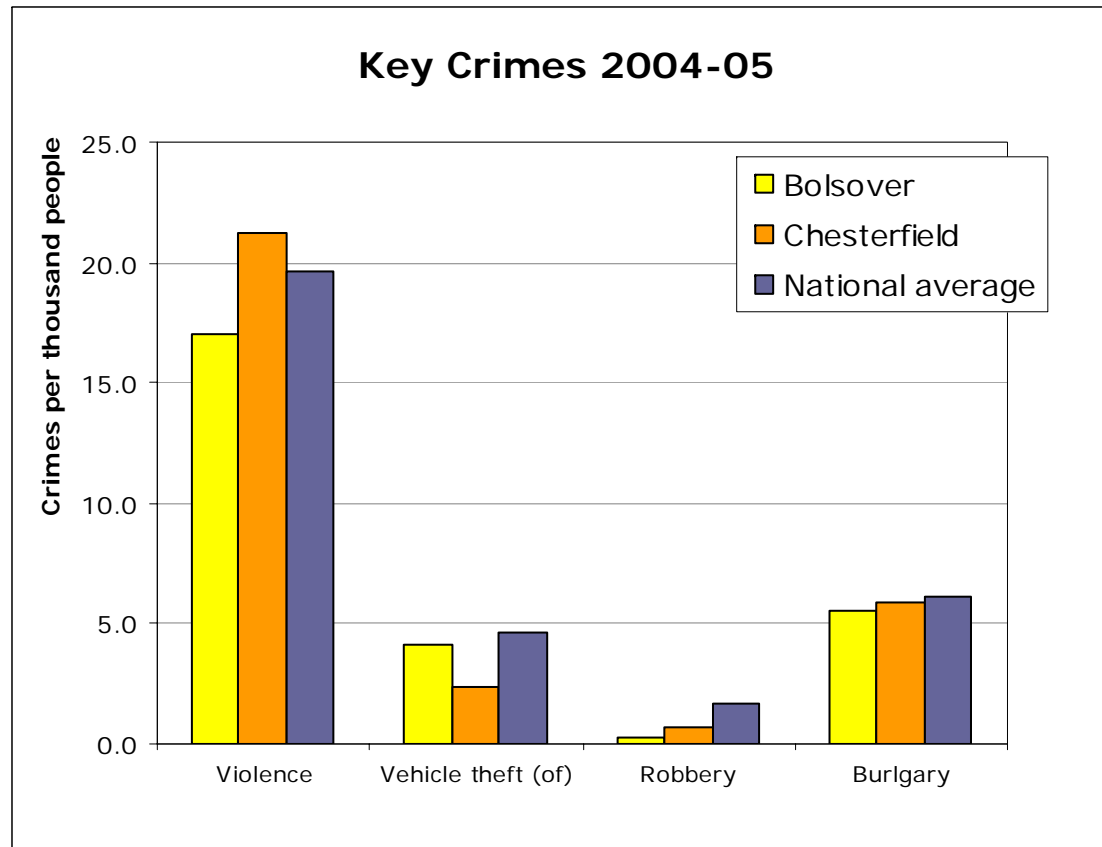
# Using Crime Statistics

<b>2004-05</b>	Population	Violence	Vehicle theft (of)	Robbery	Burglary
<b>Bolsover</b>	<b>73,230</b>	<b>1,247</b>	<b>302</b>	<b>18</b>	<b>403</b>
<b>Chesterfield</b>	<b>99,500</b>	<b>2,111</b>	<b>231</b>	<b>65</b>	<b>586</b>
<b>All of England</b>	52,793,890	1,034,552	241,815	88,704	321,458

Crimes per thousand =



## Using Crime Statistics



Plan

Collect

Process



**Discuss**

## How safe is the area you live in?

Which crimes did you investigate for your local area?

How often do these particular crimes occur?

How do these figures compare with the regional and/or national average?

Do you live in a high or low crime area?



## How safe is the area you live in?

By answering these main questions, you might have noticed or thought of other questions you could ask about crime.

Here are some examples of additional questions that people sometimes come up with:

Which crimes are people most worried about?

Where is the 'worst' area in the UK for crime?  
(Which crime(s) should we use to determine 'worst'?)

**Plan**



Collect

Process

Discuss

## Some possible questions

Which crimes are people most worried about where you live?

Does a person's feelings (perception) about crime have anything to do with their age or gender?

What type of information will help us answer these questions?



**Questionnaire/Survey**

Plan



Collect



Process

Discuss

## Questionnaire on crime


Which (key) crimes will you ask about?

So that people can rate some crimes as being more worrying than others, what scale will you use?

As well as each person's opinions, what other information about them will you collect?



## Using Crime Statistics

Once we have collected our data, how can we use it to solve each *problem*?

Which crimes are people worried about where you live?

### Being mugged

Very worried	
Fairly worried	###
Not very worried	###
Not at all	

What would be a helpful way of displaying these results?

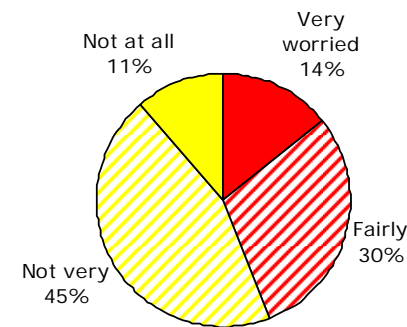


## How safe is the area you live in?

Here are a random sample of results from a questionnaire of pupils (living in the South West of England).

**Having something stolen**

Very worried	10
Fairly worried	21
Not very worried	31
Not at all	8



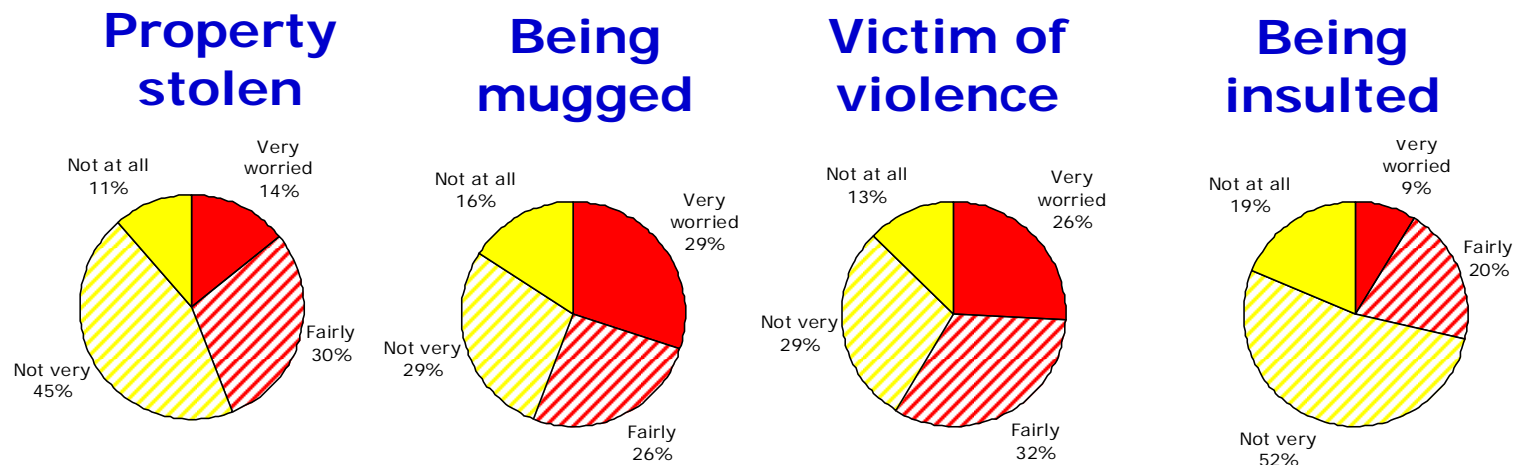
Which is the mode (modal) result?

How can these results be converted into percentages?



## How safe is the area you live in?

Let's use the pie charts to get a quick picture of the pupil's answers from the questionnaire.



What similarities/differences can you see in these charts?

Which of these crimes are pupils most worried about?

What do these crimes have in common?



## How safe is the area you live in?

Which types of crimes did you investigate?

What can you say about peoples' perceptions for each type of crime?

Are there any patterns you have noticed about the opinions people have given?

You now have an idea of how worried people are about particular crimes. But how common are these crimes in your area? Should people in your area really be worried about these crimes?

Plan



Collect



Process

Discuss

## How safe is the area you live in?

Click on a region to see which counties are grouped together for crime statistics

[Back](#)



Plan



Collect



Process

Discuss

## How safe is the area you live in?

Crime Statistics for North East

Cleveland

Durham

Northumbria

Yorkshire & the Humber

Humberside

North Yorkshire

South Yorkshire

West Yorkshire

Data is also available for these individual regions and can even be searched via postcode.

[Back](#)



Plan



Collect



Process

Discuss

## How safe is the area you live in?

Crime Statistics for the East Midlands



Derbyshire  
Leicestershire  
Lincolnshire  
Northants  
Nottinghamshire

Data is also available for these individual regions and can even be searched via postcode.

[Back](#)

Slide 24

Plan



Collect



Process

Discuss

## How safe is the area you live in?

### Crime Statistics for the East



Bedfordshire  
Cambridgeshire  
Essex  
Hertfordshire  
Norfolk  
Suffolk

Data is also available for these individual regions and can even be searched via postcode.

[Back](#)

Plan



Collect



Process

Discuss

## How safe is the area you live in?

Crime Statistics for the South East



Hampshire

Kent

Surrey

Sussex

Thames Valley

Data is also available for these individual regions and can even be searched via postcode.

[Back](#)

Slide 26

Plan



Collect



Process

Discuss

## How safe is the area you live in?

Crime Statistics for the South West



Avon & Somerset  
Devon & Cornwall  
Dorset  
Gloucestershire  
Wiltshire

Data is also available for these individual regions and can even be searched via postcode.

[Back](#)

Slide 27

Plan



Collect



Process

Discuss

## How safe is the area you live in?

### Crime Statistics for Wales



Dyfed-Powys

Gwent

North Wales

South Wales

Data is also available for these individual regions and can even be searched via postcode.

[Back](#)

Plan



Collect



Process

Discuss

## How safe is the area you live in?

Crime Statistics for the West Midlands



Staffordshire  
Warwickshire  
West Mercia  
West Midlands

Data is also available for these individual regions and can even be searched via postcode.

[Back](#)

Slide 29

Plan



Collect



Process

Discuss

## How safe is the area you live in?

Crime Statistics for the North West



Cheshire  
Cumbria  
Lancashire  
Greater  
Manchester  
Merseyside

Data is also available for these individual regions and can even be searched via postcode.

[Back](#)

Slide 30

Plan



Collect



Process

Discuss

## How safe is the area you live in?

Crime Statistics for London



City of London

Metropolitan Police  
Authority

Data is also available for  
these individual regions and  
can even be searched via  
postcode.

[Back](#)

Slide 31