Minimum Unit Pricing (MUP)

Evidence Assets developed by:-

Research funding from:
National Institute for Health Research

#MUPlocal
Master Slide Deck for all MUPLocal presentations

Bolton
1. Short UTLA/Region specific slides
Minimum Unit Pricing (MUP)

Exploring the impact of the local implementation of a minimum price for a unit of alcohol

- the evidence for

Bolton
Setting the Scene
The scale of the local problem

67 adults die every year due to alcohol consumption in Bolton.

13,478 crimes a year caused by alcohol in Bolton.

- 3,299 thefts or robberies
- 7,240 incidents of criminal damage
- 2,939 violent incidents

3,692 hospital admissions caused by alcohol in Bolton.

Alcohol costs the NHS £16,950,000 a year in Bolton.
In Bolton

5.1% of people drink at high risk levels

They drink 35% of all alcohol

Bolton

They drink 47% of the cheap alcohol sold below 50p per unit

England

of people drink at high risk levels

They drink 35% of all alcohol

England

% of Population who are in each drinker group

Bolton

% of all alcohol consumed by drinker group

Bolton

% of all alcohol sold under 50p per unit consumed by drinker group

England
The North West experiences more alcohol related hospitalisations per population than nationally.
More deprived areas experience higher rates of alcohol attributable deaths – and the gap between rich and poor can be bigger in many LAs than it is nationally.
Impact of MUP
Impact of a 50p MUP locally?

**MUP IMPACT**

**125 DEATHS PREVENTED IN THE NEXT 20 YEARS WITH A 50P MUP**

---

**Bolton**

**MUP IMPACT**

**HOSPITAL ADMISSIONS PER YEAR**

**DOWN 200**

---

**Bolton**

**MUP IMPACT**

**SAVE THE NHS £490,000 A YEAR**

---

**Bolton**
Impact of 50p MUP on Average Weekly Alcohol Consumption

Bolton -5.1%

Impact of a 50p MUP on weekly alcohol consumption

<table>
<thead>
<tr>
<th></th>
<th>Q1 (least deprived)</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moderate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increasing risk</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Higher risk</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Change in weekly units of alcohol

Bolton
Impact of 50p MUP on alcohol related deaths is bigger in North West than Nationally

Change in alcohol-attributable deaths per 100,000 adults per year under a 50p MUP
Impact on alcohol related deaths is bigger in higher risk drinkers and in deprived areas

Impact of a 50p MUP on alcohol-attributable deaths

- Deaths averted per year

Moderate

Increasing risk

Higher risk

Bolton

Q1 (least deprived)  Q2  Q3  Q4  Q5 (most deprived)

Q1 (least deprived)  Q2  Q3  Q4  Q5 (most deprived)

Q1 (least deprived)  Q2  Q3  Q4  Q5 (most deprived)
A 50p MUP is around 10 times more effective than a 30p threshold & 2 times more effective than a 40p threshold.

Bolton
Impact on Alcohol Sales for Business

Off trade retailers would see substantial increased revenue

On trade retailers would see very little change in revenue

Impact on retailer revenue (£millions after duty & VAT)

Off-trade

Baseline: £19.1
Change: +£2.4
After 50p MUP: £21.5

On-trade

Baseline: £29.6
Change: £0.2
After 50p MUP: £29.4
Impact on Alcohol Sales for Business

Average change in retailer revenue per outlet

<table>
<thead>
<tr>
<th></th>
<th>Off-trade</th>
<th>On-trade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bolton</td>
<td>£9,097</td>
<td>£-522</td>
</tr>
</tbody>
</table>

- £2,000
- £4,000
- £6,000
- £8,000
- £10,000

£0
2. Detailed UTLA/Region specific slides
Minimum Unit Pricing (MUP)

Exploring the impact of the local implementation of a minimum price for a unit of alcohol

- the evidence for

Bolton
For the first time, there is scientific evidence at local authority level about the impact of introducing Minimum Unit Pricing (MUP). This means decision makers can have an informed view of what the introduction of Minimum Unit Pricing (MUP) would mean for individuals, families, communities and services in Bolton.
Robust & objective…

The University of Sheffield, a world top 100 university, has conducted research on alcohol consumption and impact of pricing policies since 2008. Studies have been used by national level decision makers in Scotland, England, Wales, Northern Ireland & Ireland.

The studies in this research programme have been endorsed by the likes of World Health Organisation and UK Medical Research Council. and published in The Lancet The British medical Journal

The research team has now used a surveys and market research data to develop estimates of the effect of MUP for every Upper Tier Local Authority in the North of England.
What happens next is in the hands of decision makers and stakeholders …

The position of the University of Sheffield is objective:
this report sets out the facts and the research findings so that
Local Politicians, Local Authority CEOs, Directors of Public Health,
Police and Crime Commissioners, and the wider community with a stake in
reducing alcohol-related harm:

understand the local authority-level research findings

make an informed decision about any next steps, based on the data.
What’s the problem?

High alcohol consumption affects health and increases the numbers of:

- early deaths and
- hospital admissions

Due to causes everyone knows are linked to drinking e.g.

- alcohol poisoning and
- liver disease

But also other diseases:

- throat & breast cancer
- stroke, heart disease, accidental falls and fires.

- Increased crime including violent incidents, thefts and robberies, and incidents of criminal damage

- Impacts work productivity, sickness absence and the economy

- Some children living with people drinking at increased risk consequently require social services support or get taken into care
Whose problem?

Individuals from all parts of the community are affected:

• not just the young but the middle aged and older people

• not just poorer people but also middle income and richer people.

Drinking also affects other people not only the drinker:

• victims of crime

• family & friends of people with health problems

• employers and workmates
# Units of alcohol: 10ml (2 teaspoons) pure ethanol

<table>
<thead>
<tr>
<th>Drinker type</th>
<th>Units per week</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Men</td>
<td>Women</td>
</tr>
<tr>
<td><strong>Moderate</strong></td>
<td>14 or under</td>
<td>14 or under</td>
</tr>
<tr>
<td><strong>Increasing Risk</strong></td>
<td>Above 14 – 50</td>
<td>Above 14 – 35</td>
</tr>
<tr>
<td><strong>High Risk</strong></td>
<td>Above 50</td>
<td>Above 35</td>
</tr>
</tbody>
</table>

### Comparison

- **Beer** (4% ABV) - **Pint**: ≈ 2 units
- **Wine** (12% ABV) - **Glass**: ≈ 2 units
- **Whiskey** (40% ABV) - **Measure**: ≈ 1 unit

### Units of alcohol:

10ml (2 teaspoons) pure ethanol

**Measure:**
- **Pint** ≈ 2 units
- **Glass** ≈ 2 units
- **Measure** ≈ 1 unit

**Examples:**
- **Beer**
  - 1 Pint = 2 units
- **Wine**
  - 1 Glass = 2 units
- **Whiskey**
  - 1 Measure = 1 unit
What is MUP?

MUP sets in law a minimum price for a unit of alcohol. It is highly targeted at heavy drinkers. Level discussed is 50p (as in Scotland).

The cheapest shop bought alcohol would have to rise in price. Bars & restaurants unaffected, they sell alcohol above this price.

<table>
<thead>
<tr>
<th>Alcohol</th>
<th>Units</th>
<th>Price now</th>
<th>Price if 50p MUP</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>440 ml beer (4.0%)</td>
<td>1.8</td>
<td>£0.66</td>
<td>£0.88</td>
<td>+22p</td>
</tr>
<tr>
<td>750 ml wine (13.0%)</td>
<td>9.8</td>
<td>£5.99</td>
<td>£4.88</td>
<td>none</td>
</tr>
<tr>
<td>700 ml vodka (37.5%)</td>
<td>28</td>
<td>£10.00</td>
<td>£14.00</td>
<td>+£4.00</td>
</tr>
<tr>
<td>440 ml cider (5.0%)</td>
<td>2.2</td>
<td>£0.66</td>
<td>£1.10</td>
<td>+34p</td>
</tr>
<tr>
<td>3L strong cider (7.5%)</td>
<td>22.5</td>
<td>£3.69</td>
<td>£11.25</td>
<td>+£7.56</td>
</tr>
</tbody>
</table>
Minimum pricing in the UK


Northern Ireland: Committed to policy. Power-sharing assembly currently suspended.
EVIDENCE: Does price really affect people’s drinking behaviours?

- Price is the most well evidenced effective intervention for reducing alcohol consumption and harms.

- Typically these ‘price elasticity’ studies show a 10% increase in price produces a -5% decrease in purchasing.

- Over 140 research studies have shown increasing price to be effective in reducing consumption and harms.
EVIDENCE: Does price really affect people’s drinking behaviours?

- Research shows MUP targets price rises at the cheapest alcohol leaving other products unaffected, focusing on people who drink very large amounts of cheap alcohol.

- Something similar to MUP exists in Canada and evidence shows it reduces purchasing, hospital admissions & deaths.

- Evaluations set up in Scotland will look at all of this in UK context
MUP Impact on Alcohol Trade

MUP will mostly affect shops and supermarkets, with the prices of their cheapest alcohol rising to the new minimum, and providing them with additional revenue.

Minimum Unit Pricing could possibly provide a small boost for pubs, bars and restaurants. People could switch to buy more of their alcohol in the ‘on-trade’.\`
50p MUP affects …
supermarket & shop bought alcohol (off-trade) and does NOT really affect pubs & bars (on-trade)

Currently over 50p per unit – prices unaffected
Currently under 50p per unit – prices would rise
Infographics on scale of problem & effect of MUPLocal
What this means for the nation
Scale of the national problem

- 9,862 adults die every year due to alcohol consumption.
- 2,299,140 crimes a year caused by alcohol.
  - 552,415 thefts or robberies
  - 1,160,031 incidents of criminal damage
  - 586,695 violent incidents
- 650,879 hospital admissions caused by alcohol.
- Alcohol costs the NHS £2,855,440,000 a year.
What this means for the nation – social and business burden

82,400 families with children in contact with social services and where alcohol is identified as a factor

NATIONAL

7.7 million days off work a year due to alcohol consumption

ENGLAND
Impact of 50p MUP for England?

**MUP IMPACT**

- **16,369 DEATHS PREVENTED IN THE NEXT 20 YEARS WITH A 50P MUP**

**NATIONAL**

**MUP IMPACT**

- **CRIMES A YEAR CAUSED BY ALCOHOL DOWN 54,229**
- **THEFTS OR ROBBERIES DOWN 11,880**
- **INCIDENTS OF CRIMINAL DAMAGE DOWN 28,633**
- **INCIDENTS OF VIOLENCE DOWN 13,716**

**NATIONAL**

**MUP IMPACT**

- **HOSPITAL ADMISSIONS PER YEAR DOWN 29,943**

**NATIONAL**

- **SAVE THE NHS £71,630,000 A YEAR**

**NATIONAL**
The scale of the local problem

Bolton

67 ADULTS DIE EVERY YEAR DUE TO ALCOHOL CONSUMPTION

13,478 CRIMES A YEAR CAUSED BY ALCOHOL

3,299 THEFTS OR ROBBERIES

7,240 INCIDENTS OF CRIMINAL DAMAGE

2,939 VIOLENT INCIDENTS

3,692 HOSPITAL ADMISSIONS CAUSED BY ALCOHOL

ALCOHOL COSTS THE NHS £16,950,000 A YEAR
Impact of a 50p MUP locally?

125 DEATHS PREVENTED IN THE NEXT 20 YEARS WITH A 50P MUP

HOSPITAL ADMISSIONS PER YEAR DOWN 200

SAVE THE NHS £490,000 A YEAR
Graphs on scale of problem & effect of MUPLocal
In Bolton

5.1% of people drink at high risk levels

They drink 35% of all alcohol

They drink 47% of the cheap alcohol sold below 50p per unit

England

Of people drink at high risk levels 35% 47%
The North West drinks more alcohol per drinker than nationally.
The North West experiences more alcohol related hospitalisations per population than nationally.
The North West experiences more alcohol related deaths per population than nationally.
The North West experiences more alcohol related crime per population than nationally.
The North West has a higher rate of children in contact with social services where alcohol is a factor than nationally.

Rate of Children in Need (i.e. in contact with social services) cases where alcohol is a contributory factor per 100,000 adults in LA.
More deprived areas experience higher rates of alcohol attributable deaths – and the gap between rich and poor can be bigger in many LAs than it is nationally.
More deprived areas experience higher rates of alcohol attributable hospital admissions – and the gap between rich and poor can be bigger within many LAs than it is nationally.
Slope index of inequality:- Difference between most-deprived 1% versus least deprived 1% of people shows substantial inequality in deaths from alcohol.
Impact of 50p MUP on inequality: Difference between most-deprived 1% versus least deprived 1% of people in deaths from alcohol would reduce...
Slope index of inequality:- Difference between most-deprived 1% versus least deprived 1% of people shows substantial inequality in deaths from alcohol.
Impact of 50p MUP on inequality:- Difference between most-deprived 1% versus least deprived 1% of people in deaths from alcohol would reduce.
Current Average Weekly Consumption by drinker group

**Consumption**

| Current weekly units | 4.2 | 25.0 | 77.9 |

**Bolton**

Current mean weekly consumption (units)

<table>
<thead>
<tr>
<th>Q1 (least deprived)</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>50</td>
</tr>
</tbody>
</table>

- Q1 (least deprived): Moderate
- Q2: Increasing risk
- Q5 (most deprived): Higher risk
Current Annual Spending by drinker group

- Current annual spending (£)
  - Bolton
  - £198
  - £1,013
  - £2,487

Current annual spending by drinker group

- Q1 (least deprived)
  - Q1: £236
  - Q2: £217
  - Q3: £207
  - Q4: £191
  - Q5 (most deprived): £173

- Q1 (least deprived)
  - Q1: £1,089
  - Q2: £1,010
  - Q3: £994
  - Q4: £974
  - Q5 (most deprived): £1,002

- Q1 (least deprived)
  - Q1: £2,485
  - Q2: £2,379
  - Q3: £2,331
  - Q4: £2,622
  - Q5 (most deprived): £2,532

Risk categories:
- Moderate
- Increasing risk
- Higher risk
### Impact of 50p MUP on Average Weekly Alcohol Consumption

**MUP IMPACT**

**Consumption**

| DOWN | -5.1% |

**Impact of a 50p MUP on weekly alcohol consumption**

<table>
<thead>
<tr>
<th>Q1 (least deprived)</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Moderate</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Increasing risk</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Higher risk</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Change in weekly units of alcohol**

Bolton

<table>
<thead>
<tr>
<th>Change in weekly units of alcohol</th>
<th>Q1 (least deprived)</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>-1</td>
<td>-2</td>
<td>-3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-4</td>
<td>-5</td>
<td>-6</td>
<td>-7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-8</td>
<td>-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Bolton

**Baselinedeaths**

<table>
<thead>
<tr>
<th>Deaths per 100,000</th>
<th>22,848.4</th>
<th>22,225.7</th>
<th>23,956.8</th>
<th>28,432.3</th>
<th>61,084.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>50p deaths per 100</td>
<td>-5.23539</td>
<td>-7.4633</td>
<td>-5.03134</td>
<td>-6.36422</td>
<td>0.029602</td>
</tr>
<tr>
<td></td>
<td>-0.01566</td>
<td>-0.02576</td>
<td>-0.00867</td>
<td>0.029602</td>
<td></td>
</tr>
</tbody>
</table>

**Q1 (least deprived)**

<table>
<thead>
<tr>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Q2**

<table>
<thead>
<tr>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Q3**

<table>
<thead>
<tr>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Q4**

<table>
<thead>
<tr>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Q5 (most deprived)**

<table>
<thead>
<tr>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5 (most deprived)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Impact of 50p MUP on Annual Spending by drinker group

Bolton

Impact of a 50p MUP on annual spending

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Change in weekly spend on alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1 (least deprived)</td>
<td>Moderate</td>
</tr>
<tr>
<td>Q2</td>
<td>£2.44</td>
</tr>
<tr>
<td>Q3</td>
<td>£12.22</td>
</tr>
<tr>
<td>Q4</td>
<td>£63.34</td>
</tr>
<tr>
<td>Q5 (most deprived)</td>
<td>Increasing risk</td>
</tr>
<tr>
<td>Q2</td>
<td>£10.00</td>
</tr>
<tr>
<td>Q3</td>
<td>£30.00</td>
</tr>
<tr>
<td>Q4</td>
<td>£60.00</td>
</tr>
<tr>
<td>Q5 (most deprived)</td>
<td>Higher risk</td>
</tr>
<tr>
<td>Q2</td>
<td>£50.00</td>
</tr>
<tr>
<td>Q3</td>
<td>£90.00</td>
</tr>
<tr>
<td>Q4</td>
<td>£120.00</td>
</tr>
</tbody>
</table>

MUP IMPACT

Change in annual spending
- £2.44
- £12.22
- £63.34

Bolton
Impact on alcohol related deaths is bigger in higher risk drinkers and in deprived areas.

Impact of a 50p MUP on alcohol-attributable deaths

<table>
<thead>
<tr>
<th></th>
<th>Moderate</th>
<th>Increasing risk</th>
<th>Higher risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1 (least deprived)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q5 (most deprived)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deaths averted per year</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Bolton
Impact on alcohol related hospital admissions is bigger in higher risk drinkers and in deprived areas.
Impact of 50p MUP on alcohol related deaths is bigger in **North West** than **Nationally**
Impact on Alcohol Sales for Business

Off trade retailers would see substantial increased revenue

On trade retailers would see very little change in revenue
Impact on Alcohol Sales for Business

Average change in retailer revenue per outlet

- £2,000
- £4,000
- £6,000
- £8,000
- £10,000

Bolton

Off-trade: £9,097
On-trade: -£522
A 50p MUP is around 10 times more effective than a 30p threshold & 2 times more effective than a 40p threshold.
What about policy?

Action to tackle the sale of cheap alcohol has been on the agenda for local authorities across the North East and North West for many years.

The Government committed to enshrining Minimum Unit Pricing in law in 2012, but later backed away, demanding more concrete evidence before proceeding.

There’s a chance that it could return to the national agenda, especially following the introduction of MUP in Scotland.

Individuals, groups, and organisations continue to lobby government.
What about right here?

Legal advice commissioned by local councils determined that a possible route to introduce Minimum Unit Pricing was through the Sustainable Communities Act 2007, an act of parliament designed to:

“promote the sustainability of local communities,” in particular,

“the improvement of the economic, social or environmental well-being of the authority’s area.”
To introduce MUP this way you need two things:

**ONE:** The local level evidence - now available from the University of Sheffield study for all authorities in the North of England.

**TWO:** Local consultation based around the evidence is required to make a proposal under the Act.
What about other routes to change?

Earlier research concluded that Minimum Unit Pricing would be more effective at changing harmful drinking habits and reducing the health inequalities than an increase on duty tax, which would have to rise between 30% and 700% in order to make any comparable impact.

Alcohol duty rises would also hit moderate drinkers and the wider pub trade, while discouraging fewer heavy drinkers to cut back than other measures. Thus, Minimum Unit Pricing is considered the most effective, most targeted measure for cutting harmful drinking.
What next?

• Start a conversation about the evidence with all local stakeholders with an interest in alcohol.
• Join in the conversation by considering the evidence from your own perspective.
• Share the evidence with decision makers in your local authority.
• Share this presentation formally with committees such as your Health and Wellbeing Board…(we’ve designed this so you can delete and add slides).
• Share this presentation informally on hard copy or on a laptop in meetings.
• Use our individual infographics to start a conversation on Twitter or LinkedIn.
• Use the hashtag #MUPlocal so we can monitor the online conversation on your behalf.
• Use our Frequently Asked Questions to answer common queries.
• Use our (very brief) project summary to start the conversation.
And then?

Responsible decision makers in your local authority will decide:

- Their position in relation to the introduction of Minimum Unit Pricing
- Whether the evidence is sufficient to warrant a public consultation exercise.
End of Detailed Presentation

Exploring the impact of the local implementation of a minimum price for a unit of alcohol

- the evidence for

Bolton