

Business, victimisation and victimology: Reflections on contemporary patterns of commercial victimisation and the concept of businesses as 'ideal victims'

- Author: Dr Matt Hopkins, Department of Criminology, 154 Upper New Walk, University of Leicester, Leicester, LE17QA. Email: Mh330@le.ac.uk

Abstract

The recent publication of first English/Welsh Commercial Victimisation Survey (CVS) in over ten years represents a good time to consider both 'crimes against businesses' and the place of commercial victims within the discipline of victimology. While some research points to high crime rates against the commercial sector, it has been argued that the abstract concept of 'crimes against businesses' has been used by government and businesses to construct a notion of business victimhood in order to place businesses at the centre of policy concerning crime prevention. Critics suggest this recognition of the 'business as a victim' not only moves attention away from the illegal behaviours of businesses (businesses as victimisers), but it gives corporations that can already absorb crime costs the power to dominate debates around law, order and crime prevention. Using data from the CVS, patterns of crimes against business are outlined and some of the main characteristics of victims are identified. Consideration is then given to what these data mean in relation to the concept of businesses as victims. Using Christie's (1986) notion of the ideal victim as a heuristic device, it is explored whether businesses can ever be viewed as 'ideal' victims and why achieving victim status might be important. Finally, some fruitful areas for further research are considered.

Key words: Crimes against Businesses, Commercial Victimisation Survey, Ideal Victims.

Introduction

Internationally, there is a paucity of contemporary data on crimes against businesses. Although some surveys have been conducted in a number of European countries and as far afield as China, Australia, Mexico and Nigeria (for a review, see Mugellini, 2013; Australian Government, 2004) data are not regularly collected and often focus on the retail sector (see BRC, 2015) rather than the wider business community. It would also be true to say that, although a body of academic research has explored commercial victimisation, the subject remains on the periphery of mainstream victimology (Maguire, 2012). While governments have a responsibility to be seen to be acting proactively to protect businesses, and trade bodies work to protect the economic interests of their members (Burrows and Hopkins, 2005), it can be argued that academics have been reluctant to research commercial victimisation as businesses are viewed as being 'undeserving' or not having true victim status. For example, Karman, (2012: 2) asserts that victimology focuses on the 'scientific study of physical, emotional and financial harm people suffer because of illegal activities'. As businesses are not 'people', one could possibly argue that the commercial sector should not be of interest to victimologists. Indeed, central to the study of victimology is Christie's (1986) concept of the 'ideal victim', who is defined as 'a person or category of individual who when hit by crime most readily is given the complete and legitimate status of being a victim' (Christie, 1986:18). Van Wijk (2013:160) notes that it is a sort of 'public status' of 'hero or traitor' and although it is not clear who deserves victim status, we 'generally have an understanding of what is meant'. Indeed, many scholars have used the analogy of the 'little old lady' as the ideal victim (as she is weak and easy to sympathise with) and Christie (1986) asserts that the ideal victim should be (1) weak; (2) carrying out a respectable project; (3) is not to be blamed; (4) is victimised by a big/ bad offender; (5) the offender is unknown; but the victim (6) is powerful enough to make his or her case known without threatening strong countervailing vested interests.

As academic criminology has often cast businesses as powerful corporations that tend to be *offenders* rather than *victims* (see Whyte, 2007; DeKeseredy, 2011), arguing that businesses could ever be considered as 'ideal' victims is difficult. Indeed, the widely held view that businesses are economically vibrant and able to take care of their own security needs (Burrows & Hopkins, 2005) adds to this notion of the undeserving victim. Despite this, some research has identified high rates of victimisation and costs of crime for business when compared to households (see for example Gill, Fisher & Bowie, 2002; Burrows & Hopkins, 2005; BRC, 2015). However, some scholars have noted that this abstract notion of the 'victimised business' or 'crimes against businesses' has an important social effect (Whyte, 2007). As Green (2007: 452) suggests in the context of businesses, the notion of victimhood has been reconstructed as interested parties have 'assert[ed] that a crime against business is a crime against all of us'. Therefore, large corporations express the negative effects of crimes against businesses by emphasising wider social impacts – for example, by suggesting that crimes such as shoplifting can result in increased pricing of goods for all (see for example, BBC Wales, 2014). It has also been noted that by constructing their position as 'victims', powerful corporations have been allowed to take centre stage in debates around law, order and crime prevention. This is despite the growing recognition of the 'devastating social impact of corporate offending' (Whyte, 2007: 453).

The publication of the first CVS in England/Wales (see Home Office, 2013; Home office, 2014) in over ten years shows the government's commitment to crimes against businesses as a policy issue. It also represents a good time to reflect on the notion of 'crimes against businesses' within victimology. Therefore, this paper has two principal aims. First, through re-analysis of commercial victimisation survey data, contemporary patterns of crime across six business sectors and some of the key characteristics of victims are presented. Second,

the concept of 'the ideal victim' is explored in relation to business and it is considered whether (a) the label could ever be applied to commercial victims and (b) why achieving victim status might be important. The purpose of the analysis is not to argue that business should have more power in debates around law and order or even leverage more crime prevention resource from government, but to illustrate that a more nuanced understanding of crimes against businesses might not only help to debunk the abstract concept of business crime, but also enable victimologists to identify fruitful areas for future research.

The Commercial Victimization Survey

The findings are based on the re-analysis of data collected for the 2012 and 2013¹ sweeps of the commercial victimisation survey in England/Wales². Telephone-based interviews were conducted with the owners or managers of 4,041 business premises in 2012 and 4,017 in 2013. Respondents were asked whether the business had fallen victim to a range of crime types (burglary, theft, vehicle crime, fraud, assaults, threats and intimidation) over a 12 month recall period and how many incidents occurred during that time. In addition, there was a smaller 'online' element to the survey that asked a random subset of around 50% of business about their experiences of e-crimes such as hacking, online theft, phishing, online information theft, online vandalism and computer viruses³. One of the key strengths of the survey was its sector coverage. The two previous surveys (conducted in 1994 and 2002) only sampled businesses from the retail and manufacturing sectors (see Mirrlees-Black & Ross, 1995; Shury et al., 2005). The 2012 survey (see Home Office, 2013) extended its coverage to four sectors (wholesale/retail, manufacture, transport and accommodation/food), and the 2013 survey (see Home Office, 2014) also covered retail and accommodation/food, but it

¹ These data are available in the UK data archive.

² These were the third and fourth sweeps of the CVS in England and Wales (the others were in 1994 and 2002).

³ A number of generic methodological problems with business crime surveys have been outlined in previous research – see Burrows and Hopkins (2005) for an overview.

introduced agriculture and arts/entertainment (at the expense of manufacturing and transport)⁴. The sectors covered were defined as follows:⁵

- *Wholesale and retail*: wholesale and retail of products (including repair of motor vehicles or motorcycles);
- *Accommodation and food services*: hotels and hostels; restaurants, cafes, public houses and food takeaway businesses.
- *Manufacturing*: manufacture and repair of products (excluding repair to motor vehicles or motorcycles)
- *Transport and storage*: passenger services (taxi, bus, rail and air), road, rail and air freight, postal services, warehousing in relation to transport services.
- *Arts, entertainment and recreation*: arts, library and museum activities; operation of sports and fitness clubs; gambling and betting activities; operating of amusement parks/ arcades.
- *Agriculture, forestry and fishing*: animal and crop farming, support services for agriculture and fishing.

The number of businesses across each sector responding to the surveys is presented in Table 1. It should also be noted that both samples included a mixture of small/large businesses and those that had premises on several sites. For example, 49% (n=1,959) of the 2012 sample and 64% (n=2,614) of the 2013 sample businesses employed less than ten staff on site. Over half of all businesses (58%: n=2,314 in 2012 and 67%: n=2,728) operated out of just one location.

⁴ The sectors in the 2012 survey represent around 24% of all UK business premises and 42% of employees. In 2013, they represented around 21% of business premises and 33% of employees (based on business population estimates in BIS, 2014).

⁵ These are based on Standard Industrial Classification Codes (see HM Government 2008).

Table 1: CVS sample base 2013 and 2012

	2013 CVS					2012 CVS				
	W/ Re	Acc/ food	Arts/ rec	Agr	all 2013	W/ Re	Acc/ food	Man	Trans	all 2012
Sample base	935	1,133	888	1,085	4,041	1,021	1,155	962	879	4,017
Online sample base	491	562	434	NA	1,487	499	603	459	436	1,997

In addition to data on experiencing crime, other useful data were collected in relation to the costs of crime, crime prevention devices installed and details of some of the characteristics of the communities in which the businesses are located.

Crimes against businesses: the extent of victimisation

In this section, rates of crime observed in the CVS are presented. In order to capture the nature of victimisation against businesses (and for ease of presentation), the crime types are typologised into three groups:

1. **Property crimes:** these are incidents where the offender has direct contact with the business but not directly with any staff. The offender aims to remain anonymous and the principal motivation is instrumental - to take property or cash. Crimes included are burglary, theft, fraud and vehicle crimes and criminal damage⁶.
2. **Interpersonal crimes:** incidents where the victim and offender have direct face-to-face contact. These include robbery, assaults, threats and intimidation of staff by people external to the business.

⁶ Although the principal motivation for criminal damage is not instrumental, it is commonly recorded as a property crime.

3. **E crimes:** e-crime involves no spatial or physical convergence between the business, victim or the offender. These are crimes conducted online and include crimes such as hacking and phishing.

Table 2 outlines the crime prevalence rate (the proportion of business premises victims of crime in the recall period) for property, violent and e-crimes by business sector for 2012 and 2013. Across all sectors, the highest prevalence rate is for property crime, with 45% (n=1813) of all businesses being victims of at least one incident in 2012 and 42% (n=1714) in 2013. In comparison, 14% (in both years) were victims of interpersonal crime and around one in ten fell victim to an e-crime. The highest rates of property crime are in the retail sector and arts/recreation sectors. For example, in 2013, one in four retail businesses experienced a theft (25% prevalence rate) and 12% were burgled, while 18% of arts/entertainment businesses experienced theft and 16% were burgled. While a body of now fairly dated research illustrates that businesses suffer from higher rates of property crimes than households (see Burrows & Hopkins, 2005), the recent CVS data again point to this pattern. For example, between June 2013 and June 2014, 2.7% of households were burgled in England and Wales (ONS, 2014). In comparison, rates of burglary against the commercial sector ranged from a low of 13% in the manufacturing sector (in 2012) to a high of 16% in arts/entertainment in 2013.

When examining interpersonal crime, the data also show high prevalence rates when compared to non-commercial victims. The highest rate in both 2013 and 2014 was in the accommodation/food sector (with a 19% prevalence rate), though around 1 in 6 businesses in the arts sector also witnessed an incident in 2013. In both surveys, over 1 in 7 retail businesses witnessed an incident and a similar rate was observed for transport businesses in 2012. Of course, comparing prevalence rates of violent crimes against business premises to

non-commercial samples is problematic, as the unit of analysis (business premises to the individual) is not comparable. However, between June 2013/2014 a total of 1.7% of the general population were victims of violence with or without injury (ONS, 2014); this was a much lower rate than observed across any business sector in the CVS.

Finally, the data suggest that e-crime is growing as a crime problem in the commercial sector. Between 6% and 14% of businesses were victims, with around 1 in 7 businesses in the arts and manufacturing sector experiencing an e-crime. By comparison, the 2002 CVS reported that only 2% of manufacturers and 1% of retailers were victims of e-crimes⁷ (Shury et al., 2002). Of course, as most businesses now have internet access and as e-commerce becomes more established, the risks are likely to continue to increase. This concern has been raised by the British Retail Consortium, who in their crime costs survey 2014-2015 state that ‘such attacks continue to pose a critical threat to businesses’ (BRC, 2015:14).

Table 2: Prevalence of crime by business sector

Sector	2013 CVS					2012 CVS				
	W/ Re	Acc/ food	Arts/ ent	Agr	all 2013	W/ Re	Acc/ food	Man	Trans	all 2012
<i>Property crime</i>	50	40	50	33	42	57	43	37	43	45
<i>Interpersonal crime</i>	14	19	18	5	14	16	19	5	14	14
<i>E-crime</i>	8	7	14	NA	9	7	6	14	10	9

Sample base: all CVS 2012 (n=4,017) & 2013 (n=4,041) and all online crime sample base 2012 (n=1,487) and 2013 (n=1,997).

Table 3 presents the incidence rates of crime expressed as the average number of incidents per 100 businesses. Here, it can be seen that the higher prevalence rate of property crimes translate into higher rates of repeat victimisation. Indeed, there was an average of 1,117

⁷ In 2002, these were defined as ‘having a computer system/network hacked or a website altered without permission’ (Shury et al. 2005: 5).

property crimes per 100 businesses in 2013 and 1,403 per 100 businesses in 2012, compared to 250 and 305 interpersonal crimes per 100 respectively. These rates of property crime are also high when compared to non-commercial samples. Using burglary as an example, 3.3 out of every 100 English/ Welsh households were victims of domestic burglary between June 2013 and June 2014 (ONS, 2014). In comparison, the lowest incident rate for burglary recorded in the CVS was 30 per 100 transport sector businesses in 2012. Particularly high incidence rates of burglary were recorded in the arts/ entertainment sector (87 per 100 in 2013) and retail sector (44 per 100 in 2012).

Table 3: Incidence of crime (per 100 businesses) by business sector

Sector	2013 CVS					2012 CVS				
	W/ Re	Acc/ food	Arts/ ent	Agr	all 2013	W/ Re	Acc/ food	Man	Tran	all 2012
<i>Property crime</i>	3674	345	533	197	1117	4019	680	205	627	1403
<i>Interpersonal crime</i>	343	325	332	24	250	477	341	7	384	305
<i>E-crime</i>	63	20	30	NA	37	15	16	88	29	35

Sample base: all CVS 2012 (n=4,017) & 2013 (n=4,041) and all online crime sample base 2012 (n=1,487) and 2013 (n=1,997).

Despite suffering high rates of victimisation, it has previously been suggested that businesses are able to withstand the financial burden of crime. This notion is explored below (Table 4) by considering the financial impact of crime against those businesses with a turnover of over £100,000 per annum compared to those with lower turnover. In this paper, turnover (defined as the total revenue a business generates over the course of a year before expenses are considered) is used as proxy measure of prosperity⁸. For those businesses with turnovers of over £100,000 per annum, the costs of property crimes (which include total loss

⁸ Profit would be a better measure, but these data were not available.

and damage)⁹ and the costs of security are compared to those businesses with a turnover of less than £100,000 for 2012 and 2013¹⁰. It is observed that the higher crime rates for the larger turnover businesses translate into greater average financial losses to crime, with these businesses losing around £6,000 to property crime each year. However, the financial burden of crime appears to be most greatly felt by businesses with lower turnover. When expressed as a proportion of turnover, crime loss for these businesses is 4.2% in 2012 and 1.6% in 2013 – significantly larger than that of the higher turnover businesses. Indeed, the final column shows that expenditure on crime prevention/security is also significantly higher for the smaller businesses (as a proportion of turnover) – at 3.7% in 2012 and 1.2% in 2013. This indicates that larger businesses might face higher crime risks, but they can possibly absorb crime costs and preventative expenditures much better than smaller businesses.

Table 4: Risk of property crime and the financial burden of crime (CVS 2012 and 2013)

	Turnover/ No. of premises	Crime Prevalence ¹¹	Mean crime number per victim	Mean crime loss (£)	Mean turnover (£)	Mean security spend (£)	Crime loss as % turnover	Security expense as % of turnover
2012	>100K (n=2382)	49.7%	27	£6,004	£20.3m	£29,814	0.03%	0.01%
	<100K (n=325)	32.9%	11	£2,822	£66K	£2,483	4.20%	3.70%
2013	>100K (n=1953)	49.7%	28	£5,780	£10.9m	£10,210	0.05%	0.09%
	<100K (n=632)	32.4%	4	£975	£60k	£698	1.60%	1.20%

Sample base: 2707 business where turnover known in 2012 and 2585 in 2013. Based upon approx. annual turnover, crime costs and security spend at premises.

⁹ This does not account for subsequent payments received from insurance claims.

¹⁰ The CVS sampled businesses that were VAT registered, which (theoretically) means the sample businesses should all have an annual turnover of over £77K. However, analysis revealed that 54% of business in 2012 and 70% in 2013 who reported a turnover of less than £100K, actually had a turnover below the VAT registration threshold.

¹¹ It should be noted that the higher turnover businesses tended to employ more staff. For example, of the 2012 sample group, 60% of the £100k+ turnover businesses employed 10 or more staff (compared to 13% of the smaller businesses). 54% of the £100+ turnover businesses in the 2013 sample employed 10+ staff (compared to 7% of the smaller businesses). The larger businesses also tended to experience higher prevalence rates of crime than the businesses employing under than 10 staff.

The CVS also illustrates that much of the burden of commercial victimisation falls upon frontline staff in the form of interpersonal violence. Around 1 in every 6 crimes experienced in both sweeps of the CVS involved direct people contact – including around 1 in 2 crimes in the accommodation/food sector and 1 in 3 the arts and transport sector¹². Table 5¹³ presents the rates of interpersonal crime per 10,000 employees and shows that there were 703 incidents of contact crime per 10,000 employees in 2013 and 428 in 2012; in other words, in 2013, around 1 in 14 employees were involved in an interpersonal crime and 1 in 24 were in 2012. While previous research has highlighted the elevated risk of abuse/violence of staff in the transport and retail sectors (see Stutezenberger & Fisher, 2014; BRC 2015; Burrows et al., 1999), the CVS also illustrates high risks to staff in the arts/entertainment sector, followed by the accommodation/food sector. As might be expected, the highest risk is for abuse/threats, where 1 in 17 employees in 2013 and 1 in 32 in 2012 were involved in an incident. Rates of physical assault and robbery are much lower across all sectors: in 2012 there was a 1 in 2000 chance of a staff member being physically assaulted and a 1 in 2500 chance in 2013, although the risks do increase for staff working in the accommodation/food, arts/entertainment and transport sectors. The risk of robbery is highest in the retail sector, where at least 1 in 40 staff members in 2012 and 1 in 52 in 2013 were involved in incidents.

¹² The odds ratio in the retail sector is lowered by the high numbers of theft recorded in that sector.

¹³ If one considers the breakdown of interpersonal crime as a prevalence rate by business – in 2012, 3% of businesses were victims of robbery and 2% were in 2013. In 2012, 3% were victims of external assault and 4% were in 2013; 10% were victims of external threats in 2012 and 11% were in 2013.

Table 5: Incidence of interpersonal crime per 10,000 employees by sector

Sector	2013 CVS					2012 CVS				
	W/ Re ¹⁴	Acc/ food	Arts/ ent	Agr	all 2013	W/ Re	Acc/ food	Man	Trans	all 2012
<i>Robbery</i>	191	17	8	22	87	249	37	3	31	68
<i>Physical Assault</i>	6	6	8	0	4	4	11	0	10	5
<i>Abuse/ Threats</i>	333	813	901	187	587	519	849	3	283	309
Any	903	802	1,987	49	703	804	995	7	412	428

Sample base: all CVS 2012 and CVS 2013 employees. These totalled 135,267 in 2013 and 286,004 in 2012.

The costs of interpersonal crime are commonly physical and psychological rather than financial¹⁵. Indeed, Chappell and Di Martino (2006), Stutzenberger and Fisher (2014) and Jones et al. (2011) have identified the physical /psychological impacts such as increased stress and anxiety to staff and high profile cases of injuries to staff in retail and service-based businesses are commonly reported in the media (see Lightfoot, 2014; Asian Trader, 2014). Analysis of the CVS data reveals that robberies were most likely to result in physical injury to staff. In 2012, 19% (n=22) of robberies resulted in an injury to a staff member (as compared to 12% (n=10) in 2013). In comparison, in 2012, 15% (n=76) of all other violence resulted in an injury to staff, and it was 11% (n=58) in 2013.

The CVS data do, however, suggest that the risk of physical injury as a result of robbery is lower in the commercial sector than in non-commercial environments. According to CSEW data, around

¹⁴ In comparison, the BRC (2015) reported 33 incidents of abuse and violence per 1,000 (or 333 per 10,000) retail workers in 2014.

¹⁵ Of course, there can also be financial costs to staff and businesses – such as when staff members need to take time off as a result of injury or when the business has to close for a period of time.

46% of street robberies result in physical injury to the victim, which is over twice the rate recorded in the CVS (ONS, 2014)¹⁶. Despite this, there is further evidence that frontline workers also face other situations that might generate anxiety. For example, in 26% (n=30) of robberies in 2012 (as compared to 16%: n=14 in 2013), the assailant threatened staff with a weapon (either a gun, knife or other).¹⁷

Business vulnerability to crime: characteristics linked to victimisation

Further analysis was conducted to identify characteristics of the businesses most likely to be victims of property and interpersonal crime. Eight independent variables (or predictors) were identified in the CVS datasets that one might expect to be associated with vulnerability to crime (these are presented in table 6). These were run in three logistic regression models to test (a) whether they were statistically significant and (b) the odds of these factors being associated with property crime, external assaults/threats and robbery¹⁸. The models were run by merging data from both sweeps of the CVS into a dataset of 8,058 businesses.

¹⁶ One of the reasons for this is that staff may be more likely to comply with the demands of the offender during a robbery than a victim of a street robbery. Previous research suggests that resisting robbery can increase injury risk (Jones, Casteel & Peek-Asa, 2015). Indeed, in an informal interview with a Head of Loss Prevention of a major convenience store chain, it was revealed that in the interest of staff safety, when a robbery occurs it is company policy for staff to comply with the demands of assailants.

¹⁷ One of the limitations of the CVS was that no data about the emotional impacts of crime or the victim's ethnicity or gender were collected.

¹⁸ Property crime, external assaults/threats and robbery were run as separate dependent variables as they are a product of different contexts and offender motivations. Property crime is mainly instrumentally motivated, assaults/threats are expressive and robbery is primarily instrumental, but it can be expressive if a violent interaction between the victim and offender develops (Thijssen & De Ruiter, 2011).

Table 6: Variables used in the model

Dependent variables	Description
<i>Property Crime</i>	Business is the victim of property crime
<i>Assaults and threats</i>	Business is the victim of external assault, threats or intimidation
<i>Robbery only</i>	Business is the victim of a robbery
Independent variables	
<i>Sector</i>	Type of business sector
<i>Over 10 staff</i>	If over 10 staff members work at the premises
<i>National chain business</i>	If the business is part of a national chain (rather than independent with only one location)
<i>High Turnover</i>	If business turnover is above £100,000 per year
<i>Alcohol served</i>	If the business sells alcohol (both 'on' and 'off' licence)
<i>IMD: Bottom 20% decile</i> ¹⁹	If located in the bottom 20% of IMD deciles
<i>Manned security on site</i>	If security staff are employed (internal or external)
<i>CCTV on site</i>	If there is CCTV on the premises (internal or external)
<i>Burglar alarm</i>	If there is a burglar alarm installed

Table 7 presents the output from three models. Looking at property crime, the biggest predictors are being a retail business²⁰ and employing ten or more staff members. Both of these predictors double the risk of property crime. However, businesses with a turnover of over £100K and those that are part of a chain of businesses are 1.5 times more likely to be victims than those without these characteristics. This confirms previous research which has illustrated higher risks of property crime for businesses with larger numbers of employees (Burrows et al., 1999) and (obviously) for businesses that stock high volumes of desirable

¹⁹ Indices of Multiple Deprivation (IMDs) (see Department for Communities and Local Government, 2011) are calculated across seven distinct domains - Income Deprivation, Employment Deprivation, Health Deprivation and Disability, Education Skills and Training Deprivation, Barriers to Housing and Services, Living Environment Deprivation, and Crime. Ten domains are then calculated – from the areas of highest deprivation to the lowest - which are applied to over 30,000 areas in England and Wales.

²⁰ In relation to business sector, the odds of being a victim are compared to the reference category, which is the manufacturing sector.

consumer items (Australian Government, 2004). However, it is also worth noting that businesses with burglar alarms²¹ or manned security did not appear to have reduced risk of property crime and those with CCTV actually have a slightly increased risk.²²

Table 7: Factors associated with property crime, violence and robbery in commercial settings (CVS data 2012 and 2013)

<i>Covariates (n=number of businesses)</i>	Property Crime			Assaults/ threats			Robbery		
	B	S.E.B	Odds ratio	B	S.E.B	Odds ratio	B	S.E.B	Odds ratio
Manufacture (n=962)	Sector Reference group			Sector Reference group			Sector Reference group		
Retail (n=1961)	.705***	.091	2.024	1.592***	.224	4.612	1.561***	.420	4.762
Acc/food (n=2288)	.028	.099	1.028	1.740***	.227	5.839	.419	.449	1.520
Agriculture (n=1085)	.405***	.101	1.499	1.126***	.261	3.159	.052	.637	1.054
Arts/ent (n=888)	.376**	.107	1.457	1.714***	.235	5.678	-.675	.583	.509
Transport (n=879)	.137	.101	1.156	1.214***	.237	3.356	1.372**	.427	3.942
Over ten staff (n=3740)	.716***	.055	2.046	.636***	.088	1.914	1.114***	.208	3.048
Chain business (n=2974)	.449***	.054	1.566	.813***	.081	2.318	.630**	.184	1.878
High Turnover (n=4429)	.439***	.049	1.550	.322***	.077	1.387	.039	.164	1.039
Alcohol (n=3223)	.348***	.065	1.416	.561***	.093	1.714	.746***	.203	2.108
Bottom 20% IMDs (n=1394)	.315***	.064	1.348	.409***	.088	1.557	.373*	.180	1.452
Guards (n=238)	-.079	.143	.922	.104	.208	1.109	.019	.413	1.019
CCTV (n=2281)	.337***	.053	1.346	.258***	.078	1.299	.238	.166	1.269
Burglar Alarm (n=3084)	-.067	0.59	.935	-.099	.097	0.906	-.057	.217	0.944

Notes: Based on merged data from CVS 2012 and 2013.

Property crime: correct classification = 64%; chi-square significance= 836.599; -2 Log likelihood=10140.796; Nagelkerke R-square 0.133.

Violent Crime: correct classification = 88.3%; chi-square significance= 691.095; -2 Log likelihood=5089.663; Nagelkerke R-square 0.161

Robbery correct classification = 97.8%; chi-square significance= 197.565; -2 Log likelihood=1471.373; Nagelkerke R-square 0.130
*p≤0.05; **p≤0.01; ***p≤0.001

²¹ Some research suggests that the presence of a burglar alarm might actually increase the risk of burglary for households (Tilley et al., 2015) - little is known about the impact of burglar alarms in the business context.

²² When considering the relationship between security and victimisation slight caution has to be expressed here. One of the limitations with the CVS data is that there is a lack of clarity about when security was implemented. In total, 1.6% (n=64) of all premises with a burglar alarm and 1% (n=41) with a CCTV system said they had installed these as a result of crime victimisation in the CVS recall period. However, it is not clear from the survey data what type of crime incident the respondent experienced that led to the installation of security or if the respondent then went on to experience another incident after the implementation of security.

A number of the variables were significantly related to assaults/threats. Businesses in the accommodation/ food, arts/recreation and retail sectors were over five times more likely to experience assaults/ threats, as compared to the manufacturing sector. Being part of a chain business doubled the risk (similar to property crime), and businesses employing over ten staff members had nearly twice the risk. Although one might not expect to see burglar alarms impacting on assault/ threats, it is surprising to see that the presence of manned security has no impact on the risk of assaults/threats and (as with property crime) businesses with CCTV have increased risks of assault/ threats. Some previous research has identified that working in food/accommodation, retail or transport sectors promote risk, as there is close customer contact and cash handling is often required (see for example Chappell & Di Martino, 2006). Indeed the British Retail Consortium (BRC) (2015:32) notes that violence is most likely to occur 'when staff challenge customers suspected of theft, when asking for proof of age, in relation to a store ban, or if customers are being detained on suspicion of an offence'. The data also reveal high risk of assault/threats for the arts/recreation sector. Further analysis highlighted that 31% of all victims (n=151) in this sector were in sports clubs, 19% were gyms and 13% were in gambling business. Some previous research has noted a high risk of violence in licenced gambling premises (Griffiths & Hopkins, 2001), though little known research to date has focused on the risks for staff in gyms and sporting environments.

The key risk factors for robbery are being in the retail sector, employing over ten staff members and selling alcohol (44%: n=87) of all robbery victims were retailers that sell alcohol). This confirms previous research suggesting that offenders will select targets where there will be guaranteed cash or goods (such as alcohol/ cigarettes) that are easy to consume/resell (Gill & Pease, 1998). However, the regression output also illustrates that it is

the businesses that employ over ten staff members and those that are part of chain that carry higher risks (rather than smaller independent businesses). Again, the presence of manned guarding or CCTV seems to make little difference to the risk of victimisation. This finding is counterintuitive to what one might expect to observe. However, evaluations of the efficacy of CCTV in business settings report mixed findings (see Taylor & Gill, 2014; Lasky et al, 2015) and little work has identified whether manned guarding actually reduce the risk of violence or robbery in commercial settings. However, some evidence suggests that, especially in licenced premises, security guards can act as generators of violence (Hobbs et al., 2002).

The data also highlight two further issues worthy of discussion. First, while it has been recognised that larger businesses tend to be at higher risk of crime, little research has identified that businesses that are part of a 'chain' (rather than independent locations) carry higher risks of victimisation. Across each model, being part of a 'chain' increased risk (especially in relation to violence). Further analysis revealed that the increased pattern of risk for chain businesses was common across all business sectors. For example, in 2013, 34% and 30% of chain businesses in the accommodation and arts sectors (respectively) were victims of at least one violent crime, compared to 12% and 10% of businesses in these sectors that were not part of a chain. A factor that might partially explain this is that the chain businesses have higher footfalls than independent businesses. For example, in 2013, 43% of all chain businesses claimed to have a footfall of over 1000 customers per week, compared to only 8% of independent businesses. It is plausible to suggest this higher footfall might also bring a higher flow of motivated offenders into these businesses.

Second, as Table 8 illustrates, there is a relationship between the IMD index of businesses and the risk of both interpersonal and property crime. For interpersonal crime, the highest

rates per 1,000 employees are generally observed in the most deprived areas. For example, across the two CVS sample groups, there were 114 violent incidents per 1,000 employees in IMD 1 as compared to 12 per 1,000 in IMD 10. In relation to property crimes, those businesses located in the top five most deprived areas all had higher rates of property crime compared to those in the five least deprived areas. Indeed, previous research has highlighted that residents located in the poorest areas of cities have higher risks of victimisation than those in more affluent areas (Bottoms, 2012). This pattern appears to be replicated for commercial victims of crime.

Table 8: Average number of interpersonal crimes per 1,000 business employees and property crimes per 100 businesses by IMD area: Merged CVS data 2012 and 2013 (rank order in brackets)

IMD index	Interpersonal crime per 1,000 employees	Rank order	Property crimes per 100 premises	Rank order
1	114	1	1507	4
2	99	2	1726	1
3	77	5	1560	3
4	92	3	1645	2
5	80	4	1292	5
6	40	6	874	9
7	22	8	1035	7
8	30	7	951	8
9	16	9	485	10
10	12	10	1085	6
Total	59		1206	

Notes: area 1 is most deprived, area 10 the least deprived. Data for the 2012 and 2013 CVS sweeps are merged together here.

Some Reflections: Businesses as ideal victims?

Some scholars have argued that businesses have managed to gain sympathy in policy circles by perpetrating the notion of the ‘victimised business’ and emphasising the economic burden of the crimes they face (Whyte, 2007). However, simply identifying that businesses suffer from high rates of victimisation does not automatically allow one to conclude they

should be considered as 'ideal' or 'deserving' victims. In the following section, Christie's (1986) ideal victim framework is used as a heuristic device to explore whether a business could ever be considered as an 'ideal' or 'deserving' victim. The analysis is based upon the findings from the CVS presented above, though it draws upon other sources where relevant.

1. The business is 'weak': Christie (1986) notes that a requirement of 'ideal victim' status is 'weakness'. In relation to people, this is often considered in the terms of physical characteristics of the victim and thus, the elderly, children or females may often be considered physically weak and 'ideal' victims. It is postulated here that, if a business is to be considered weak then a combination of three factors are important - vulnerability to crime, the impact of crime and the extent the businesses can protect themselves from further crime. The analysis in this paper does illustrate that businesses experience high rates of crime and this is unevenly distributed – with larger and economically prosperous businesses suffering higher rates of crime. Therefore, the strongest appear to bear the brunt of victimisation. However, the analysis also illustrates that the financial impact of crime may actually fall more heavily on those businesses with a lower turnover and those least able to invest in crime prevention. Therefore, a subset of businesses emerges that includes businesses that are particularly 'weak' or vulnerable to crime. These, of course, may not constitute ideal victims in the sense that Christie envisaged, but in the context of commercial victimisation, they represent the types of businesses that may elicit the greatest sympathy. Of course, it also needs to be remembered that a significant proportion of crimes against businesses are interpersonal crimes against frontline staff. While these victims are not necessarily *physically* weak, the analysis suggests they are placed in a vulnerable or weak position as a part of their normal working routines where security (such as CCTV and manned guarding) seem to have little

influence on protecting them. The analysis also reveals higher risks to staff working in businesses located in the bottom 20% of IMDs. It is plausible to suggest that these staff members may also live close by to the businesses where they work. Therefore they may not only live in locations where the risk of crime victimisation is already high (Bottoms, 2012), but are then also placed in a further position of vulnerability in the workplace.

2. ***The business is carrying out a respectable 'project':*** in order to be considered as carrying out a 'respectable' project, the victim needs to be pursuing legally and morally acceptable activities. All of the businesses in the CVS sample were VAT registered, so they were all (in a legal sense) engaging in a respectable project. While some may question the morality of some businesses (i.e. banks, casinos or late night bars), it might be postulated that, in the case of businesses (and their staff), they are more likely to be considered 'ideal' victims when they are victims of crimes where moral outrage can clearly be expressed in favour of the victim. Van Wijk (2013) notes that public reactions of moral outrage can accentuate the likelihood of acquiring victim status: an example is the case of sexual exploitation of children. In the context of business crime, moral outrage is not only expressed when large corporations act as offenders (see Dekeseredy, 2011), but also when business staff are victims of violent crimes (see for example, BBC News, 2005). Indeed, the media often reports stories where moral outrage is expressed in relation to violent crimes (and occasionally homicides) against vulnerable shopkeepers (see Asian Trader, 2014).
3. ***The business is not to be blamed:*** the ethics of victimhood only generate empathy where the victim is obviously blameless (Van Wijk, 2013). In the context of business crime, a number of questions arise in relation to the concept of victim blaming or victim-precipitation (see Walklate, 2007) that require further exploration. For

example, there is a question of whether empathy for businesses be expressed in cases where the following occur:

- *Marketing activities designed to attract legitimate customers generate crime.*
For example, Curtis (1971) notes that retailers encourage crime by placing tempting consumable items freely in view and making them easily accessible to customers.
- *Businesses are perceived to overprice goods.* Often businesses are accused of generating crime through overpricing of goods. For example, as a consequence of the overpricing of fuel, it has been reported that many drivers have felt morally justified to engage in fuel theft (see Euro2day, 2014).
- *Organizational practices generate crime.* As Beck (2011) illustrates, self-check-out payment systems designed to allow customers to scan and pay for their items can generate increased shrinkage as customers often choose not to scan items. It has also been suggested that some large retailers are aware that such practices can increase crime, but are willing to accept crime if costs are offset by savings on labour (see Beck & Hopkins, 2015).
- *Sufficient efforts are not made to prevent crime (or to protect staff from crime).* This raises questions about what expectations there should be on businesses to prevent crime and what polices/crime prevention measures should be used to protect staff. Indeed, analysis from the CVS suggests that even where businesses took steps to install burglar alarms, CCTV or employ security staff, this made little difference to their crime risk. Additionally, in their definition of corporate crime, DeKerseredy and Hinch (1991:100) state that 'acts of omission, in which decision markets, etc., refuse to take action to reduce health and safety risks' should be considered as corporate

violence. It may be argued that where businesses knowingly promote crime or refuse to take appropriate action, such inaction makes them blameworthy for victimisation. Furthermore, Burrows & Hopkins (2005) note that questions may also be asked about the extent businesses should be entitled to local police support if they 'knowingly' generate crime.

4. ***The offender is big and bad:*** ideal victim status is dependent upon the offender being physically stronger than the victim and the victim being morally superior (i.e. engaged in a respectable project). A concerted attempt has been made in recent years not only to suggest that commercial offenders are big and bad, but also that they are becoming more clever and sophisticated. Indeed, both in the USA and the UK, reference is often made to the extent of organised crime against businesses (see Bamfield, 2012; BRC, 2015) and the sophisticated methods used by offenders. The evidence from the CVS sample group is that a relatively small proportion of crime is thought to be the work of organised criminals (the survey suggests that around 8% of all customer theft is linked to organised crime). Indeed, according to Gill (2000), many offenders work alone, they tend to be fairly rational in thinking and would rather not use violence when offending. Of course, the narrative that businesses are the target of big organised crime groups or offenders that are extremely violent allows interest groups to accentuate the risks to businesses and reinforce the view that offenders are not morally justified in targeting businesses. While the CVS data do show that employees are occasionally confronted by weapons in the course of their duties, the small number of injuries suggests that if offenders are 'bad', they rarely inflict serious injuries on victims.
5. ***The offender is unknown:*** victim status is easier to achieve if the offender is unknown (Christie, 1986). As the CVS data illustrate, the majority of crimes against businesses

are property crimes and thus the offender is not known to the victim. However, Christie goes on to say that the offender that creates the most ideal victim is the one who creates the most anxiety. The CVS did not collect data specifically relating to anxiety about crime. However, the average security expenditure of £20,572 per business in 2012 and £16,003 in 2013 indicates that many businesses owners are sufficiently anxious about crime to spend money on security. Indeed, previous research illustrated that fear and anxiety about crime is common in small businesses, and it is a key factor in explaining security consumption (Hopkins & Fox, 2013).

6. ***The business is powerful:*** in order to claim victim status, the victim needs to be weak enough to be regarded as a victim but powerful enough to claim victim status (Christie, 1986). Here, it may be argued that businesses have been able to use their power to (a) raise the profile of business crime in order to (b) leverage resources for crime prevention. In recent years, both large and small businesses have managed to collectivise and assert power on politicians/policy via trade bodies such as the British Retail Consortium and the Federation of Small Business. This has both raised the profile of 'business crime' in policy circles and enabled businesses to be recognised as victims. Indeed, at a national level, the Association of Chief Police Officers (ACPO²³) has developed a definition of business crime²⁴ which has been heralded as a 'milestone ... towards recognising all victims of business crime and ensuring....that the impact of business crime can be accurately measured' (see NABCP, 2015). Many local police crime commissioners have also drafted business crime prevention plans and organisations such as the National Association of Business Crime Partnerships²⁵

²³ Now known as National Police Chiefs Council.

²⁴ ACPO definition of business Crime: 'Business crime is any criminal offence that is committed against a person or property which is associated by the connection of that person or property to a business. This is based on the perception of the victim at the time of reporting of the offence'.

²⁵ The NABCP oversees business crime reduction partnerships at a national level. It helps facilitate linkages between police, community safety partnerships (CSPs) and businesses. There are around 150 business partnerships in England/ Wales, compared to 322 CSPs.

and the National Business Crime Solution²⁶ have emerged to tackle business crime. Although Bamfield (2012:168) notes that collaborative efforts to tackle business crime (particularly in the retail sector) have a '200 year history', the recent plethora of activity is a far cry from the position as little as twenty years ago, when little data existed on business crime and policy interest was at best sporadic. Despite this, the evidence from some business crime research is still that many smaller businesses feel they have little support from local police, that opportunities to engage in local business crime partnerships are limited and that government help and resources 'are unevenly distributed towards big businesses'.²⁷

Concluding Comments

The recent flurry of activity by the UK government in relation to commercial victimisation represents possibly the largest effort seen globally to collect data on the subject. While the CVS data confirms the findings of previous research – that high rates of crime (in comparison to households) can be observed in the wholesale/retail and accommodation/ food sectors – it also establishes the crime risks across some relatively unexplored sectors – such as arts/entertainment and agriculture. Importantly, the analysis identifies that while larger business with a turnover of over £100k are most at risk for crime, the burden of crime appears to be felt most by those with a smaller turnover (<£100K). Compared to non-commercial contexts, it is also observed there can be high risks of interpersonal violence to frontline staff, most notably in the accommodation/food, arts/ entertainment and retail sectors.

²⁶ The National Business Crime Solution (NBCS) was established to provide a collaborative solution to more effectively tackle cross border, serious and organised crime affecting businesses (see National Business Crime Solution, 2015). Members tend to be large multi-site businesses and NBCS hope to have 60 members by the end of 2015 (there were 40 at the time of writing).

²⁷ This is a quote from an interview completed by the author with a small business owner in Leicester, UK for a project on security consumption.

A primary purpose of the paper was to consider the notion of businesses as 'ideal' victims. By using Christie's (1986) concept of the ideal victim as a heuristic device, the analysis suggests that while businesses might not readily be ascribed victim status in the same sense as Christie's 'little old lady', there is some utility in the concept. It allows for factors that might be ascribed to the 'deserving' commercial victim to be identified and suggests that a broad spectrum exists from the deserving victim to the undeserving. However, the analysis indicates that it has been in the best interests of businesses to amplify the notion of themselves as victims of crime. In keeping with the sentiments expressed by Whyte (2007), it is illustrated that within policy circles, there has now been an acceptance of the concept of the 'business as a victim' and as a consequence, there has been a growing effort to develop crime prevention efforts to support businesses. Whether policy officials would label businesses as 'ideal' victims is unclear, but there appears to be support for the idea that businesses require policy support and that the reduction of business crime provides wider benefits to the society (presumably in terms of lower prices for customers and in providing jobs within communities). Whether this actually materialises into help for those smaller businesses that appear most exposed to the effects of crime or if it just allows the larger and most powerful business to play a central role in shaping crime prevention agendas is unclear.

A key criticism of current policy activity and previous academic research in this area may be that 'crimes against businesses' is used as a catch all term and it can perpetrate the idea that all crime against any business is worthy of attention. However, through utilising Christie's model, it is suggested that a more nuanced understanding of business crime can be developed and further research attention possibly directed towards analysis of the impact of crime on businesses that appear most economically vulnerable and less able to protect

themselves. Though not exhaustive, victimologists might fruitfully explore the following areas:

1. **Sector coverage:** The analysis presented in this paper only covers around one-third of the UK business population. Further analysis might consider other sectors such as construction, which constitutes around 18% of all UK business.
2. **Victimisation patterns across businesses:** In particular, patterns of interpersonal crime by gender and ethnicity, whether such crimes are racially motivated (or hate crimes) and the impact of crime on victims requires further exploration.
3. **Ideal victim typologies:** whether typologies of 'ideal commercial victims' can be developed. For example, this might consider which types of businesses (and their staff) are most worthy of victim status.
4. **Victim precipitation:** 'Blame' seems to be integral to the concept of ideal victim status, and in the case of business and crime, deeper exploration is required of the role that businesses play in generating crime as a consequence of their business processes/practices. Such research might also consider the moral implications where businesses knowingly generate but accept crime as a part of their business plans. Indeed, exploration of victimisation against businesses engaging in practices considered unethical by some (such as animal testing) would represent an interesting exploration of Christie's concept of the 'respectable project'.
5. **Crime prevention:** relatively little systematic research has explored the efficacy of security devices such as CCTV and burglar alarms in business environments other than retail. Research here is overdue.
6. **The business 'crime-drop':** there is an indication from the CVS that crime against businesses might be decreasing, and this might mirror long-term decreases in non-commercial environments (see Farrell et al., 2011). Further research might usefully explore whether trends in business crime do mirror those observed more generally.

Finally, the data in this paper are based on surveys of businesses in England/Wales. Internationally, data on commercial victimisation are patchy; though some research has been conducted across several nations (see Mugellini, 2013). While some contemporary international comparative research on the extent of commercial victimisation would be useful, reflection about how businesses are perceived as victims across different countries would also be a welcome addition to the paucity of literature in this area.

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