A Theoretical Framework to Study Variations in Workplace Violence Experienced by Emergency Responders

Integrating Opportunity and Vulnerability Perspectives

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Abstract

Emergency responders are often sent to the front line and are often confronted with aggression and violence in interaction with citizens. According to previous studies, some professionals experience more workplace violence than others. In this article, the theoretical framework to study variations in workplace violence against emergency responders is described. According to criminal opportunity theories, which integrate the routine activity theory and lifestyle/exposure theory, victimisation is largely dependent on the lifestyle and routine activities of persons. Situational characteristics that could be related to workplace violence are organisational or task characteristics, as having more contact with citizens or working at night. However, they do not provide insight in all aspects of influence, and their usefulness to reduce victimisation is limited. Therefore, it is important to consider the role of personal characteristics of the emergency responders that may be more or less ‘attractive’, which is elaborated upon by the victim precipitation theory. Psychological and behavioural characteristics of emergency responders may be relevant to reduce external workplace violence. The author argues that, despite the risk of being considered as blaming the victim, studying characteristics that might prevent victimisation is needed. Directions for future studies about workplace violence are discussed. These future studies should address a combination of victim and situation characteristics, use a longitudinal design and focus on emergency responders. In addition, differences between professions in relationships between characteristics and workplace violence should be explored.

Keywords: Workplace aggression, workplace violence, emergency responders, blaming the victim, victimology

1 Introduction

Emergency responders are important for the safety of society by reducing the risk of crimes, deaths and diseases, as they are tasked with not only monitoring compliance with regulations (e.g. police officers), but also providing assistance and (health) care (e.g. emergency medical workers and firefighters). Because they are often sent to the front line, this group of professionals has specific risks of experiencing trauma while performing their duties. One of these traumatic experiences is experiencing violence at work, directed towards the professionals. Studies have shown that law enforcement officers and workers in (health) care have an increased risk of experiencing workplace violence in various countries, such as in the UK, the USA and the Netherlands. Studies have shown that experiencing workplace violence may have several, potentially severe, consequences. For example studies suggest that experiencing workplace violence may result in increased feelings of distress, emotional exhaustion and burnout symptoms, insecurity, sickness notifications, turnover intentions, and injuries or even death of professionals, which were


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found also in other populations who experience workplace violence. It should be noted that studies on workplace violence rarely have a longitudinal design, measuring violence and characteristics over time, and it is thus possible that some of these characteristics were present before experiencing workplace violence and were not a result from experiencing workplace violence. However, the longitudinal studies that were available suggest that professionals may suffer from psychological consequences after experiencing workplace violence. Thus, workplace violence against emergency responders can affect professionals and organisations. Therefore, reducing workplace violence of emergency responders is a priority for the political agenda in many countries. In the Netherlands, this is reflected by the programme of the Ministry of the Interior and Kingdom Relations that has been set up to prevent aggression and violence against ‘public sector professionals’, who work for the public interest, work in public services and work for or on behalf of a public body. Measures that have been taken to prevent workplace violence against public sector professionals are encouraging organisations to communicate which behaviours of citizens are and are not acceptable, and to provide training to professionals. In addition, the maximum sentence demanded for violent offenders may be raised up to three times the regular maximum sentence if the victim is a public sector professional.

While all high-risk professions may frequently experience violence, it has been widely shown in general victimisation studies that experiencing violence is not equally distributed. Having experienced victimisation has often been found to be the strongest correlate of subsequent experiences of violence or other crimes, for many populations, including professionals at work. According to survey studies, some professionals experience workplace violence relatively often and others experience relatively little workplace violence. This unequal distribution is related to the profession of people, but victimisation experiences are also unequally distributed within specific professions. The unequal distribution within professions will be illustrated by a figure that was derived from the study of Fischer and Van Reemst. The study was based on data from the Ministry of the Interior and Kingdom Relations, who have monitored workplace violence in the public sector in the Netherlands. In this study, latent class analyses were used to identify categories of self-reported victimisation of workplace violence (verbal, physical, intimidation, sexual, and discrimination), in the past year, of emergency medical workers (N = 272, who experienced 1,049 workplace violence incidences in total), police officers (N = 556, who experienced 4,202 incidences in total) and other employees (excluding firefighters).

As can be seen in Figure 1, a relatively large percentage of professionals experienced only a small percentage of total workplace violence incidences, whereas a small percentage of professionals experienced a high percentage of total workplace violence incidences. For emergency medical workers, a group of only 13% of professionals reported 72% of all workplace violence incidences, and for police officers, 9% of professionals reported 56% of incidences. The results of this study suggest that, also within specific professions, some professionals experience more workplace violence than others.

Overall, the differences in experiencing workplace violence raise the following question: which characteristics of professionals are related to experiencing more external workplace violence within professions, and to what extent? This knowledge is needed to reduce external workplace violence in the future and to provide directions for future studies. This paper will present a theoretical framework to study variations in workplace violence experienced by emergency responders, by applying and integrating criminological theories that have been used in victimology, and highlighting empirical applications and ethical dilemmas related to the theories. Thereby, in this paper, differences in victimisation are explained using the victim’s perspective.

This paper makes contributions to the literature on theory development of workplace violence against emergency responders: as studies about workplace violence against emergency responders are often published in journals focusing on practitioners in (pre-hospital)


11. Id.


17. It is important to note that victimisation, as measured in self-report victimisation surveys, is probably a combination of the actual frequency of victimisation and how likely it is that people report this victimisation in a survey (e.g. based on to what extent they remember the incidence or experienced harm from the victimisation incidence). This is often considered a limitation of victimisation surveys, as it does not allow the separation of actual and perceived victimisation. However, if we are interested in decreasing experiences of victimisation, this combination of frequency and remembrance or harm of victimisation could be considered our concept of interest in victimisation studies.


19. Fischer and Van Reemst, above n. 18.
emergency care,\textsuperscript{20} studies are often limited in their theoretical foundations. Therefore, classic victimisation theories have rarely been applied to workplace violence against emergency responders.\textsuperscript{21} Applying victimological theories helps us to identify and categorise possible ‘risk factors’ of workplace violence, and integrating theories helps us to explain workplace victimisation better. Applying victimological theories seems justified because we can consider professionals who experience workplace aggression and violence as ‘victims’, even though definitions of victims differ and the word is subject to stigma (or at least related to concepts such as suffering, passivity and forgiveness).\textsuperscript{22}

In this paper, first, the context of workplace violence against emergency responders will be described, including the function of emergency responders, and the nature and extent of workplace violence against emergency responders. Second, criminal opportunity theories and personal vulnerability notions (originating from the victim precipitation theory) will be applied to experiencing workplace violence. These two victimological perspectives address the role of situational and victim characteristics in victimisation. The results from studies about correlates of workplace violence of emergency responders will be described in relation to these theories, and arising opportunities for future research will be described. Lastly, I will reflect on ‘victim blaming’, which is an ethical topic related to studying differences in workplace violence and provides a direction for future research about workplace violence against emergency responders.

\textbf{2 Role and Function of Emergency Responders}

The three groups of professionals working as emergency responders (police officers, firefighters and emergency medical workers) share many common work circumstances because they all respond to emergencies and are needed for public safety. Emergency responders’ work also requires fitness of the professionals and has physical demands.\textsuperscript{23} All emergency responders are thought to have a relatively high risk of experiencing violence at work, because of the frequent contact with citizens (or patients, family or bystanders), the negative emotions and frustrations an emergency may cause to these citizens.\textsuperscript{24}
In studies, the act of violence and aggression against in this population. Police officers enforce laws and de-escalate (potential) threats, firefighters safeguard people by rescuing or fire extinguishing, and emergency medical workers provide medical care before arriving at the hospital. Although it will not be possible to give an exhaustive list of differences in this paper, I will describe some additional differences between the professions that might influence professional-citizen interactions. First, police officers can legitimately use physical force in interaction with citizens and can use weapons to do so, such as batons or a service weapon, whereas firefighters and emergency medical workers cannot. Second, firefighters leave for an emergency with more professionals than police officers and emergency medical workers. Third, the frequency of contact of citizens varies between professions, with police officers having the most and firefighters having the least contact with citizens. Police officers may remain outside even if no emergency calls were received, whereas many firefighters work as volunteers and only work if a call was received. Lastly, in severe or complex emergencies, the three professions may work together, each having their own work task. These differences in work situations may cause differences in professional-citizen interactions and experienced workplace violence (EWPV). However, because of their similarities, all have a heightened risk of experiencing workplace victimisation. Therefore, it is important to study workplace violence in this population.

3 Nature and Extent of Workplace Violence against Emergency Responders

In studies, the act of violence and aggression against professionals is often referred to as ‘workplace aggression’ or ‘workplace violence’. Schat and Frone’s definition of workplace violence is ‘behaviour that a target wants to avoid, takes place in a work-related situation, and is potentially physically or psychologically damaging to the target’. ‘Workplace’ thus refers to the type or context of the situation and not the actual location, and it can occur in public space, for example. Regarding the nature of external workplace violence, studies have shown that workplace violence can take physical and psychological shapes. This includes being hit, punched and grabbed (physical), being yelled at and being called names (psychological). Threats are sometimes studied as a separate type (or included in the definition of psychological workplace violence), as are sexual harassment and being discriminated against. Overall, types of workplace violence that have been addressed in studies have varied greatly.

In this paper, I focus on external workplace victimisation. I will not focus on internal workplace violence, which is violence initiated by an individual within the organisation, for example bullying or assault between workers or between a supervisor and a worker, and is more often the focus of research.

External workplace violence occurs more frequently and is a type of workplace violence initiated by people outside the organisation, such as clients, patients, students, suppliers, intruders and citizens in general. Specifically, emergency responders most often experience victimisation from people they provide a (safety) service to.

The extent of external workplace violence varies depending on the definition of workplace violence. For example, in 2011, the monitor of the Ministry of the Interior and Kingdom Relations of the Netherlands studied the extent of EWPV in many public sector employees. Their conceptualisation of workplace violence included five types of behaviour: verbal aggression (including name-calling and yelling), physical aggression (including pushing and hitting), threats and intimidation (including threatening of family members and...
4 Explaining Variations in Workplace Violence against Emergency Responders

Victimisation is generally considered to be an interaction between the offender and victim. From the victim’s perspective, characteristics that could influence the likelihood of becoming a victim of external workplace violence are based on the situation the victim is in (including to what extent they are in contact with possible offenders) or on the individual victim (and how they interact with possible offenders). Important theories, predominantly referring to situational characteristics, are the criminal opportunities, such as the lifestyle/exposure theory,35 and the routine activity theory. These were developed around the same time (late 1970s) and are often used in combination.36 Meier and Miethe37 suggested in their work on victimisation theories that these were the more sophisticated theories compared to previous, more limited, ideas about victimology. I will first explain criminal opportunity theories, after which I will present to what extent these theories have been tested and supported in external workplace violence studies.

4.1 Criminal Opportunity Theories

In a nutshell, criminal opportunity theories claim that people vary in the likelihood of experiencing victimisation because they differ in the activities they perform.38 The lifestyle/exposure theory39 tries to explain differences in victimisation risks by focusing on the differences in lifestyle, which could be routine daily activities, work/school or leisure activities. These lifestyles are said to explain the differences in exposure to dangerous time, place and others. Hindelang and colleagues elaborate upon various demographic characteristics that may influence peoples’ risk of victimisation indirectly. Because of shared expectations or structural constraints, socio-demographic characteristics such as gender, age or race may affect people’s lifestyle and thus their risk of victimisation.

The routine activity theory adds that routine activity influences the convergence in time and space of three important elements: a motivated offender, a suitable target and the absence of a capable guardian.40 Although originally the routine activity theory has been developed to explain differences in crime rates instead of victimisation risks, this theory has been applied across units of analysis, including victimisation.41 This means that victimisation is more likely to occur if an individual is in the presence of a motivated offender, is a suitable target (e.g. has valuable possessions or is ‘attractive’ for other reasons) and lacks guardianship (e.g. lacks safety precautions). For example someone who is present in high crime areas and among (repeat) offenders more often is thought to be more likely to be a victim, than someone who rarely finds him or herself in these situations.

The lifestyle/exposure theory and the routine activity theory have similarities. In both theories, the main focus is on the opportunity to become a victim, provided by their activities and lifestyle, instead of the personal motivations of offenders to commit crime. Because of the similarities in the lifestyle/exposure theory and the routine activity theory, these theories have often been used in combination, as an integrated theory.42 Overall, the idea that victimisation risks vary because of variations in activities and related socio-demographic characteristics is still dominant in many victimisation studies.43 To test these theories, studies focus on to what extent socio-demographic characteristics of the potential victim and situational characteristics of their activities (routine, work/school or leisure) are related to victimisation. Situational characteristics that could be related to victimisation of professionals are characteris-

33. Abraham et al. (2011), above n. 8, at 29.
34. See e.g. Bigham et al., above n. 30.
39. Hindelang et al., above n. 35.
40. Cohen and Felson, above n. 36.
41. Meier and Miethe (1993), above n. 37, at 470.
42. Cohen et al., above n. 38.
istics related to the time and place of peoples’ activities, such as the type of work they do, how often, when and where they work, and the type of citizens they work with.

4.2 Criminal Opportunity Theories and External Workplace Victimisation

Socio-demographic characteristics that have previously been studied in relation to workplace violence of emergency responders are typically age and gender. Often, men are found to experience more workplace violence than females, with the exception of sexual harassment, which is more often experienced by females. Younger professionals are found to be more likely to experience workplace violence. No association was found between ethnicity and victimisation of professionals. As described, these characteristics are theoretically related to workplace violence by people having specific lifestyles because of their socio-demographic characteristics. However, studies have not shown which lifestyle characteristics are mediating the relationship between being young and male, and experiencing workplace violence. For example, theoretically, young professionals could experience more victimisation, because they have had less experience and training (lacking safety precautions) or because older professionals have less contact with citizens (possibly motivated offenders) because they do more desk work.

According to previous studies, various situational characteristics explain differences in victimisation of emergency responders. To explain differences in workplace violence experiences between emergency responders, the profession itself is an important situational indicator. The profession determines the situation professionals are in and the type of contact they have with citizens (as described in para. 2). However, other characteristics are important to explain differences in victimisation within professions. Professionals who are more in contact with people are more likely to experience victimisation, as indicated by studies that found working more hours per week and having more contact with citizens to be related to external workplace violence. In addition, the type of contact with citizens (including location and time of contact) and the type of citizens they work with are related to experiencing workplace violence. According to studies, professionals experience more workplace violence if they work in economically depressed areas, in urban areas, in public spaces, on their own, during the evening or at night, or, more often, in contact with citizens who are unknown to the professional. In addition, professionals who deal with more ‘incidents’ (such as arresting people) or have more ‘bad news conversations’ are more often confronted with workplace violence. Regarding their work location, professionals who work in an urban area are found to experience more workplace victimisation. Also, professionals who work with people who use alcohol or drugs, who have previously been in contact with the police or who have a mental illness are more likely to experience external workplace violence. All these characteristics seem related to how often professionals are in the presence of possible motivated offenders or lack guardianship.

It is possible also that the organisational climate influences the amount of workplace victimisation by their prevention and aftercare policies with respect to aggression and violence, as this is found to be related to workplace violence in other populations. Prevention and aftercare measures of organisation may affect the nature of interaction between professionals and citizens, for example by training, which may provide a safety precaution against experiencing workplace violence.

As shown, many characteristics have already been found to be related to experiencing workplace violence. However, there is still the need to improve the explanation of differences in victimisation for three reasons. First, because it is rather difficult to directly use these situational characteristics to predict workplace violence.
tional and socio-demographic characteristics in interventions, as they are either relatively stable or unwanted to change. For example even though working at night seems to pose more threat, we would not want to stop emergency care at night. I will come back to this issue in the discussion of this paper. Second, because studies show that the differences in experiences of workplace violence that are explained by (only) situational and socio-demographic characteristics is limited.55 Lastly, because criminal opportunity theories mainly focus on being in the same time and place as an offender and not the motivation of offenders. Therefore, studies using these theories rarely, or indirectly, describe victim characteristics that may influence the motivation of the offender, thereby lacking a possibly important element for explaining workplace violence.

4.2.1 Professionals’ Vulnerability

The other element of being suitable as a target is the idea of being more ‘attractive’ (although some researchers have highlighted the unwanted connotations of this word),56 as a possible target, which is the core idea of vulnerability notions of victims, originating from the victim precipitation theory. The victim precipitation theory explains that the victim might contribute to the victimisation experience.57 According to further developments of the theory, this happens by being more ‘vulnerable’ to being victimised than others, in other words more ‘victimisation prone’.58 Originally, precipitation was considered to occur whenever the victim first used physical force against the subsequent offender.59 Following this idea, several researchers studied the extent to which serious crime followed action from the victim, such as physical force.60 The theory was debated because it was considered as blaming the victim, which I will elaborate upon later in this paper. However, the idea that some people are more vulnerable to victimisation than others remained.

This idea was further developed among others by Sparks,61 who developed six characterisations of victim proneness: precipitation (precipitation or encouraging victimisation), facilitation (putting themselves conducive to victimisation, besides being in the same time and space as offenders. In this way, the actual interaction between offender and victim receives more attention, than in opportunity theories. Finkelhor and Asdigan highlight that victims may have characteristics that an offender may want to obtain or use (influencing the ‘instrumental goal’ of aggressiveness62 of possible offenders), may arouse anger or jealousy (influencing the ‘frustration-aggression’ of possible offenders), or may compromise the ability to resist or deter victimisation.63

Thus, some people may be more vulnerable to experiencing victimisation, for example by having certain psychological characteristics including emotional, cognitive, personality and behavioural characteristics. Probably, psychological characteristics are not directly, but rather indirectly related to victimisation. For example Egan and Perry64 describe that having low self-regard may be associated to experiencing victimisation, because of lower motivation to act assertively or to defend oneself. As can be derived from the notion of Egan and Perry, emotional, cognitive and personality characteristics seem related to victimisation because of the behaviour victims perform.

In general victimisation literature, originally based on victims of bullying, two types of victims are distinguished based on their behaviour and related psychological characteristics: the passive (or submissive) and the provocative victim.65 The passive victim is characterised to be passive, insecure and frequently rejected. The provocative victim is characterised to be aggressive, hostile or irritating. In many general victimisation studies, passive and aggressive behaviour have been found to be related to victimisation.66

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55. Abraham et al. (2011), above n. 8; Fisher and Van Reemst, above n. 18; Nanye and Bleijendaal, above n. 4.
58. See e.g. J. Goodey, Victims and Victimization: Research, Policy and Practice (2005), at 70.
59. Wolfgang, above n. 57.
63. Finkelhor and Asdigan, above n. 56.
4.2.2 Psychological Characteristics and Behaviour of Professionals

The passive and provocative victims were also proposed in mainly internal, but also external, workplace violence studies. \(^67\) Studies that address individual characteristics and victimisation at a certain point in time (cross-sectional studies) indicate that victims score higher on aggressive and dominating behaviour and lower on self-determination than non-victims. \(^68\) Whereas having more dominating behaviour supports the notion of the more provocative victim, lower self-determination could support the notion of the more passive victim. This was not yet structurally tested among emergency responders, although interviews performed in these populations point in the same direction. \(^69\)

Regarding psychological characteristics, relatively little information was available about indicators of external workplace violence of emergency responders. Studies that have addressed psychological characteristics have mainly focused on police officers. These indicate that police officers who score higher on neuroticism and openness to experience, \(^70\) who experience more job-related stress, \(^71\) and who select aggressive responses \(^21\) experience more workplace violence. In other populations, more psychological characteristics have been addressed, such as victims having more general negative affectivity, \(^71\) emotional exhaustion, \(^74\) psychological distress, \(^75\) feelings of unsafety, \(^76\) risk perception, \(^77\) mental and physical health, \(^78\) and lower self-esteem \(^79\) than non-victims. These could be related to workplace victimisation of emergency responders as well.

Again, it is important to note that it is often unclear whether these psychological characteristics preceded or were a result from experiencing workplace violence. More research is needed that studies psychological characteristics and workplace violence over time, to determine whether these are indicators or consequences of experiencing workplace violence. Especially for feelings of unsafety and physical health, it seems likely that these are consequences of experiencing workplace violence rather than indicators, whereas for stable personality characteristics, such as neuroticism and openness to experience, it seems likely that these characteristics existed before experiencing workplace violence. For other characteristics, the direction of the relationship is less obvious. For example one could experience more negative feelings as a result of victimisation. In the other direction, by having negative feelings, professionals could approach a situation more ‘negatively’, which could result in being less able to de-escalate a potentially threatening situation (because they did not perceive the threat on time, for example) or allowing a situation to escalate sooner (e.g. by being less friendly). Therefore, research is needed that studies the relationships over time.

In addition, more knowledge is needed about the relationship between psychological characteristics and workplace violence for emergency responders specifically, as many studies focus on other populations. For example as dominance, aggression and lower self-esteem have been linked to victimisation (including violence in the workplace) in other populations, this should also be studied in police officers, firefighters and emergency medical workers. Studying dominance could especially be interesting for police officers, as a certain degree of dominance seems relevant to accurately perform as a police officer, because of the work tasks of the police.

In addition, more characteristics could influence the degree of (de-)escalation of the situation and thus the extent of workplace violence the professional experiences. For example, in various contexts, people seem to adjust their behaviour according to how they interpret situations. \(^80\) Studies in other populations also found these interpretations, referred to as hostile attributions of the situation, to be related to victimisation: people who interpret hypothetical situations as more hostile, generally, also experience more victimisation. \(^81\) Aquino,
Douglas and Martinko\(^{82}\) have found a relationship between workplace violence and various other negative attributions, namely the tendency to attribute negative outcomes as external to themselves, stable, intentional and controllable. Studying hostile attributions as a possible indicator of workplace violence could thus be worthwhile.

5 Blaming the Victim by Considering Professionals’ Suitability

A risk in studying victim characteristics in workplace violence, such as their psychological or behavioural characteristics, is that it might be considered blaming the victim. This is one of the ethical dilemmas researchers have to deal with when studying this topic. In particular, the victim precipitation theory and related vulnerability notions are often considered to hold the victim to a greater or smaller extent responsible for experiencing victimisation.

The explanation that is commonly given for blaming the victim to occur is that people tend to believe in a just world.\(^{83}\) According to the just world theory,\(^ {84}\) people have a basic need to believe that the world is just, that good things happen to good people and bad things happen to bad people. This protects them from the idea that something bad could happen to them. As a response, they may believe that the victim has done something to deserve what happened to them, and therefore blame the victim. In addition, Hamby and Grych\(^{85}\) describe the high premium on risk reduction in American culture, and probably also in other Western cultures. This comes with the idea that people have a responsibility to protect themselves: they should take (sometimes extreme) steps to stop or avoid their vulnerability to violence.

5.1 Victim Blaming in Theories and Empirical Studies about Workplace Violence

In the context of victimological theories and in particular the victim precipitation theory, the study of victims originated from the culture of the criminal law, focusing on degrees of innocence or blame for events.\(^{86}\) In addition, as described, the original study of victim precipitation focused on physical force performed by the victim, previous to the crime.\(^{87}\) Focusing on the innocence or blame, this theory was soon considered to blame the victim. Although there are explanations for why people blame victims, blaming the victim does not seem considered politically correct or socially acceptable, which is reflected in the legal system that tries to find and prosecute offenders and tries to compensate victims. This resulted in the fear of blaming the victim and tendency to avoid blaming the victim.\(^{88}\)

The fear of blaming the victim may cause the concern among researchers and professionals that addressing potential victim characteristics in research will be considered victim blaming and will promote further victim blaming.\(^{89}\) No other victimological theory than the victim precipitation theory has looked so explicitly to the role of victims in victimisation. Therefore, this theory has probably received the most criticism and has been considered as blaming the victim.

Regarding empirical studies, this fear of blaming the victim might result in less cooperation in studies, and less acceptance of results of studies about victim characteristics or interventions about preventing workplace violence, thereby lowering the effectiveness of studies and interventions. Possibly as a response to the discussion on blaming the victim, research often does not explicitly refer to the victim precipitation theory, even though describing the vulnerability of the victim.\(^{90}\) Victim blaming could even be a reason not to study or communicate about (specific) victim characteristics, although it is difficult to determine to what extent this has occurred.

However, the theory and empirical studies do not explicitly attribute blame or state that the victim deliberately provoked victimisation. As Hamby and Grych state: ‘Attribution of blame hinges on the intentionality of an action’.\(^{91}\) Victims, and in this case professionals, may not have freely chosen the behaviour or psychological characteristics that might influence experiencing violence, and did not intend it to result in the victimisation.\(^{92}\) Vulnerability notions and studies do provide important information: they suggest that victims may have vulnerable characteristics, and it also suggests that victimisation is an outcome that is influenced by offender-victim interaction. Victim characteristics may thus indirectly or unknowingly influence victimisation. And this is also addressed by other victimo-

85. Hamby and Grych, above n. 83.
87. Wolfgang, above n. 57.
89. Hamby and Grych, above n. 83.
90. Finkelhor and Aasidjian, above n. 56; Tillyer et al., above n. 43.
91. Hamby and Grych, above n. 83.
logical theories such as the criminal opportunity theories, which address congruence of a suitable target, lacking guardianship and a motivated offender. More recently, researchers in workplace violence seem to increasingly study victim characteristics in external workplace violence, but always seem aware of the possibility that it may be perceived as blaming the victim, by addressing some sentences to this discussion. Studying victim characteristics is important to find out which characteristics protect people from being victimised, even though being in risky situations at times. If we do not study what characteristics pose more risk, we will not know which characteristics pose less risk for victimisation. Therefore, by increasingly allowing victim characteristics to be studied, we gain more knowledge on how to prevent victimisation, for example by using this knowledge in training for professionals.

6 Discussion

In this paper, I have provided a theoretical framework for studying differences in external workplace violence. I proposed that researchers should take into account both situational and victim characteristics to gain a broader perspective on experiencing workplace violence. Situational characteristics could be characteristics of the work task, the work situation (including the type of people they deal with) or the organisation of professionals.

In addition, research should take into account victim characteristics, which are briefly mentioned by criminal opportunity theories but are elaborated upon in the (further developments of the) victim precipitation theory. Whereas criminal opportunity theories focus on the presence of motivated offenders, being suitable and lacking guardianship in time and place (and socio-demographic that are indicators of this presence), the victim precipitation theory focuses, primarily, on being vulnerable because of psychological or behavioural characteristics. The reviewed knowledge and gaps in the literature provide important directions for future research and practice. First, many studies that were described focus on either situational characteristics or victim characteristics. We would gain more knowledge about workplace violence and how to prevent it, if we take both perspectives into account. In addition to studying both types of characteristics, researchers should examine the interaction between individuals and situations, as, in general, the relationship between person and situation seems to be reciprocal and interdependent. Police officers, fire fighters and emergency medical workers may each have unique personal characteristics because of self-selection (particular kinds of persons may be chosen for these jobs), selection processes at the organisation, training received or experiences at work. Therefore, the profession or the specific work conditions (situational characteristics) should be analysed in interaction with victim characteristics, to examine which characteristics may, independently of other characteristics, prevent violence in which situations or jobs. For example the possible differences between the three types of emergency responders should be addressed. The unique characteristics and work situations of these types of professionals may allow differences in relationships between characteristics and workplace violence, which have, to my knowledge, not been tested among emergency responders yet.

Second, although an increasing number of studies focus on victim characteristics, few have addressed victim characteristics in studies about emergency responders. It would be interesting to study which characteristics are indicators of external workplace violence experienced by emergency responders, and by which emergency responders. Therefore, future studies will need to test to what extent the known correlates of workplace violence in other populations, such as dominance, aggression and self-esteem, are indicators of workplace victimisation of emergency responders as well.

Third, as described, the design of most studies about workplace violence is cross-sectional, measuring characteristics and workplace violence at a certain point in time. Future studies should provide more information about how characteristics are related, for example if victim characteristics were present before victimisation or were developed after victimisation. As an experimental study is unethical in case of experiencing victimisation, one way of addressing the direction of relationships would be research using a longitudinal design, such as a cross-lagged panel design. Victim characteristics and experienced external workplace violence would be measured during multiple time points (e.g. six or twelve months apart), and the relationship between characteristics and experienced victimisation would be analysed while taking into account characteristics and victimisation at the other point in time. In this way, we gain knowledge about the direction of relationships.

Lastly, regarding implications of addressed characteristics for the prevention of workplace violence, the criminal opportunity theories propose adjustments to the context of the workplace, and the victim precipitation theory proposes adjustments to the professional. It is important to bear our other goals in mind when considering these adjustments, especially in the context of emergency care. Besides preventing workplace violence, we also want society and people to be safe. Even though preventing workplace violence can have positive effects on professionals, organisations and the quality of work, it could have negative side effects. For example if emer-

93. See e.g. Muftic et al., above n. 60.
gency responders do not have any contact with citizens or do not work at night, they will most likely not be victimised by citizens, as these were found to be strong correlates of workplace violence based on the criminal opportunity theories. However, in this way, safeguarding citizens is difficult, or even impossible. Characteristics based on the victim precipitation theory could be addressed by training or selection. For example whereas dominant behaviour was suggested to increase the likelihood of experiencing violence, this behaviour could also be necessary for certain work tasks, such as arresting citizens (for police officers). If so, lowering dominant behaviour by training may not always be wanted. We would thus have to think about these possible side effects and consider developing alternative interventions if we believe unwanted side effects will occur. Possible alternatives are working in larger groups of professionals or having police officers present at night. However, these alternatives do not directly address the correlates and therefore it is needed to first evaluate these types of interventions with regard to their effectiveness. Studying characteristics of the situation and victim provide insight into what type of interventions could be affective.

In addition to possible characteristics related to workplace violence against emergency responders, I addressed how studying characteristics of targets of workplace violence are sometimes interpreted as blaming the victim, which could have negative side effects such as less research and knowledge about workplace violence and how to prevent it. While in particular the victim precipitation theory is often considered to blame the victim, others have argued that professionals may not have freely chosen the behaviour or characteristics that might be ‘attractive’ nor intended it to result in victimisation. For emergency responders, the fear of blaming the victim may be even more present, as emergency responders are important for the safety of society. Being (perceived as) heroes of society and being sent to the front line, any possible disrespect such as ‘trying to blame the professional’ may be disapproved of even more than in other populations. In addition, tension between acting with the risk of inviting violence and spectating with the risk of not avoiding violence is maybe even more difficult for professionals responsible for safety. Therefore, professionals invested in reducing workplace violence against emergency responders should be even more aware of the possibility of being perceived as blaming the victim. Careful and respectful communication about the topic could be a solution.

Overall, this paper contributed to theory development about workplace violence against emergency responders and providing an explanation why addressing characteristics related to differences in workplace violence needed more research. More knowledge about possible risk factors is needed, specifically by longitudinal research addressing a combination of victim and situational characteristics, while looking at differences between police officers, fire fighters and emergency medical workers. In this way, knowledge on workplace violence will be gained and effective prevention strategies can be developed.