Abstract—Emergency physicians are likely to be first-line responders in any local or regional terrorist event. In addition to preparing for the potential physical conditions and injuries that are associated with terrorism, they should be aware of the behavioral and mental health implications as well. It is helpful to be familiar with the characteristics that predict who may be at increased risk for mental illness after such events and how they may be identified in an Emergency Department setting. Although most people in the general population with behavioral conditions stemming from a terrorist event can be expected to recover spontaneously within several months, other individuals are at increased risk of developing more debilitating mental health conditions that have been associated with post-terrorist and disaster environments. Screening tools are available to help emergency practitioners identify them and refer patients for more formal psychiatric evaluation and potential interventions to facilitate and speed the recovery process. © 2008 Elsevier Inc.

Keywords—terrorism; mental health; post-traumatic stress

INTRODUCTION

Behavioral disturbance is the primary objective of terrorism, and emergency physicians are likely to be first-line responders in any local or regional terrorist event (1). Therefore, it is helpful for Emergency Medicine practitioners to be familiar with the behavioral and mental health implications of terrorism and to be aware of potential clinical approaches to the psychological distress associated with such incidents.

The best available evidence suggests that mass trauma events that are incomprehensible and have obvious human intent, such as terrorist events, are associated with great mental health effects in the population (2). The mental health consequences of terrorism run along a continuum from general unease, fear, and anxiety to more formally defined psychiatric disease states such as panic disorder, acute stress disorder (ASD), anxiety disorders including post-traumatic stress disorder (PTSD), and mood disorders such as major depression.

The consequences of terrorist acts extend beyond those immediately affected. For every individual killed in the terrorist attacks of September 11, 2001, an additional 59 persons (including those suffering physical injury and people who were related to the person killed in the attack) were also affected (3). Effective post-
terrorism interventions require the recognition that behavioral and emotional consequences extending beyond those immediately affected are, in fact, the intent of terrorists.

In this article we discuss the mental health consequences of terrorism, which individuals may be at increased risk for mental illness after such events and how they may be identified in an Emergency Department (ED) setting, approaches to clinical care, and aspects of resilience. To the extent possible, we will draw on the growing body of literature that explicitly addresses the mental health consequences of terrorism. However, much of the peer-reviewed information about mass-event-related mental health disturbances comes from the general disaster literature and we rely on this extensive work as well.

**MENTAL HEALTH DISORDERS ASSOCIATED WITH TERRORISM**

**Anxiety**

Unease and a certain degree of anxiety and fear are to be expected after a traumatic event such as a terrorist attack. Although discomfiting, general apprehension and unease after experiencing a terrorist attack are not cause for clinical concern. More significant anxiety symptoms, however, may be associated with the development of specific anxiety disorders. The *Diagnostic and Statistical Manual of Mental Disorders, 4th* edition (DSM-IV) indexes several anxiety disorders, three of which, panic disorder, acute stress disorder, and post-traumatic stress disorder (PTSD), are often associated with traumatic event exposures and are relevant in the post-terrorism context (4) (Table 1). Depression is another clinically important condition that may manifest in the post-terrorism environment.

**Panic**

A panic attack is an intense and sudden feeling of fear and anxiety. Its presentation may be a challenge to emergency clinicians because it is associated with such alarming physical signs and symptoms as chest pain, nausea, diaphoresis, tachycardia, tachypnea, paresthesias, and dizziness. Terror that is almost paralyzing, shaking, feeling of dread, trembling, choking, hot flashes, or sudden chills, and fear of impending insanity or death. The attacks themselves are not harmful and usually subside within 20–30 min.

**Table 1. Comparison of Stress Disorders Associated with Terrorism**

<table>
<thead>
<tr>
<th>Disorder</th>
<th>Definition</th>
<th>Diagnostic signs and symptoms</th>
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<tbody>
<tr>
<td>Panic attack (4)</td>
<td>An intense and sudden feeling of fear and anxiety</td>
<td>Chest pain, nausea, diaphoresis, tachycardia, tachypnea, paresthesias, and dizziness. Terror that is almost paralyzing, shaking, feeling of dread, trembling, choking, hot flashes, or sudden chills, and fear of impending insanity or death. The attacks themselves are not harmful and usually subside within 20–30 min.</td>
</tr>
<tr>
<td>Panic disorder (4,5)</td>
<td>A pattern of recurrent unexpected panic attacks.</td>
<td>Presence of recurrent, unexpected panic attacks followed by at least 1 month of persistent concern about having another panic attack, worry about the potential implications or consequences of the attack, or a significant behavioral change related to the attacks. Rule out the direct physiological effects of a substance (e.g., caffeine intoxication), or a general medical condition (e.g., hyperthyroidism).</td>
</tr>
<tr>
<td>Acute stress disorder (ASD) (4,7)</td>
<td>Severe stress symptoms occurring within a month after a traumatic event, characterized by indicators of dissociation.</td>
<td>Avoidance, re-experiencing the event, and increased arousal within 2–4 days of experiencing a traumatic event. Presence of three of the following five symptoms labeled as indicators of dissociation: numbing, reduced awareness of surroundings, derealization, depersonalization, and dissociative amnesia. Cardiovascular reactivity such as tachycardia or palpitations, prior history of psychiatric disorder, the presence of depressive symptomatology, avoidance, history of prior traumatization, and trait neurotism are strong predictors of both ASD and post-traumatic stress disorder (PTSD) diagnoses.</td>
</tr>
<tr>
<td>Post-traumatic stress disorder (4,8,9,11–13)</td>
<td>Stress disorder lasting longer than one month from the time of the traumatic event.</td>
<td>Requires at least one eligible traumatic event (“gateway criteria”), a symptom of re-experiencing the trauma (intrusion), a numbing or blunting of affect (avoidance) and at least two symptoms of hypervigilance and startling (arousal), of at least 1 month duration.</td>
</tr>
</tbody>
</table>
not harmful and usually subside within 20–30 min. Panic disorder refers to a pattern of recurrent unexpected panic attacks.

Panic disorder can occur across a variety of anxiety and mood disorders (5). Patients with panic disorder may be readily encountered in EDs. In one case series, 32% of patients presenting to an ED with low to moderate risk for acute coronary syndrome met criteria for panic disorder (6). To diagnose panic disorder, it is essential to assess for the presence of recurrent, unexpected panic attacks followed by at least 1 month of persistent concern about having another panic attack, worry about the potential implications or consequences of the attack, or a significant behavioral change related to the attacks. As with many anxiety disorders, it is important to rule out the direct physiological effects of a substance (e.g., caffeine intoxication), or a systemic medical condition (e.g., hyperthyroidism) (4).

Stress

Severe stress symptoms occurring within a month after a traumatic event can be a sign of Acute Stress Disorder (ASD). The diagnostic criteria for ASD include symptoms of avoidance, re-experiencing the event, and increased arousal within 2–4 days of experiencing a traumatic event (4). The diagnosis of ASD requires the presence of three of the following five symptoms, labeled as indicators of dissociation: numbing, reduced awareness of surroundings, perceiving the external environment as unreal (derealization), perceiving oneself as unreal (depersonalization), and the separation of thoughts, emotions, sensations or memories from the rest of the psyche (dissociative amnesia). Cardiovascular reactivity such as tachycardia or palpitations, depression, a history of trauma, and a tendency toward emotional vulnerability to stress and psychosomatic concerns (trait neurotism) have been found to be strong predictors of both ASD and post-traumatic stress disorder (PTSD) diagnoses (7).

First described in the 1980s and included in the Diagnostic and Statistical Manual of Mental Disorders, 3rd edition (DSM-III), the diagnosis of PTSD arose largely in response to the experiences of war veterans (8). To qualify for a diagnosis, an individual requires at least one eligible traumatic event (“gateway criteria”), a symptom of re-experiencing the trauma (intrusion), a numbing or blunting of affect (avoidance), and at least two symptoms of exaggerated sensitivity to threats (hypervigilance) and increased arousal or response to such perceived threats (startling). The diagnostic criteria underwent revision in the 1987 DSM-III-R when the requirement of at least 1 month’s duration was added, and again in DSM-IV when the individual’s perception of the event was added to the criteria (9). Work impairment associated with PTSD is as great as that seen in major depressive disorder, and is associated with increased rates of medical utilization (10).

Post-traumatic stress disorder is perhaps the most prevalent and debilitating consequence of disasters and terrorism incidents (11). The core differences between ASD and PTSD are the time elapsed since the traumatic event and the relative emphasis on dissociative presentations such as the unreality of one’s self or one’s environment in ASD. Research suggests that individuals whose immediate post-disaster symptoms include dissociation, numbing, or derealization are at increased risk for developing post-traumatic stress disorder (PTSD) (12,13).

The symptoms of PTSD may be especially severe when the stressor is of human design (4). A 2005 study comparing victims of terrorism to motor vehicle crash survivors found that exposure to terrorist attacks is followed by a higher incidence of PTSD and higher levels of PTSD symptoms, anxiety, and depression (14). The authors suggested that the intensity of the early response seems to significantly determine the subsequent occurrence of PTSD. The study concluded, though, that once developed, terrorism-related and post-motor vehicle crash PTSD symptoms resolve in a similar way.

Depression

Depression is a debilitating condition characterized by feelings of extreme sadness and loss of interest in daily activities. Whereas patients with depression or suicidal ideation soon after a terrorist event are likely to present with exacerbations of pre-existing conditions, people exposed to terrorism who develop PTSD also may be at increased risk of experiencing a depressive episode as a co-morbid condition (15). Indications that a patient may be experiencing a clinically significant depressive episode include feelings of hopelessness, thoughts of death, inability to concentrate, insomnia, and a blunted affect (4). Major depressive disorders carry with them an attendant risk of self-harming behavior.

RISK AND RESILIENCE

The most important predictor of a mental health disorder after a terrorist event is the severity or intensity of exposure. Studies indicate that survivors of terrorist incidents consistently suffer the highest rates of psychiatric disease (16). Rescuers and first responders are at next highest risk. A meta-analysis of terrorism-related mental health disturbance reported that in the year after a terrorist incident, PTSD prevalence in directly affected
populations varied between 12% and 16% (17). In the immediate post-September 2001 attack period, there were reports of anxiety-related diagnoses in almost 50% of the population of New York City’s Chinatown, which was located in the immediate vicinity of the World Trade Center (18). Nearly half of the Australian firefighters involved in battling a bush fire in 1993 had PTSD at some point in the first 2 years after the incident; 13% of Oklahoma City firefighters met criteria for PTSD several months after the 1995 terrorist bombing of the Alfred P. Murrah Federal Building (11).

Several additional factors have consistently been shown to be associated with risk of psychological disorder after exposure to traumatic events. In one review, 94% of studies that examined the effect of gender found that being female was associated with an increased risk of post-disaster mental health diagnoses, with women reported as being twice as likely as men to develop PTSD (2,19). It has been suggested that the greater likelihood of psychological disorder in women after terrorism or mass trauma may be mediated by the stress of caring for others and being obligated to provide more resources than are received in the post-disaster environment (2). The only psychological disorder consistently observed to be more common among men after a traumatic event is alcohol abuse (2).

Although the data are inconsistent, several studies have shown that minority and lower socioeconomic status are associated with increased risk of post-disaster mental health disorders. After the September 11, 2001 terrorist attacks, New York City residents of lower socioeconomic status were two and half times more likely to develop PTSD than those at higher income level, and there were reports of increased alcohol and tobacco use among drug users (20,21). However, these associations are likely to be mediated through increased exposure to the immediate effects of disasters (16).

Loss of psychosocial resources, such as family, friends, and jobs, as well as relocation and disruption of neighborhood patterns are also key mediators of post-disaster behavioral disturbances, and pre-existing psychiatric conditions predispose individuals to post-disaster PTSD (16). The presence of social and familial supports and an individual’s desire and ability to use them is a crucial aspect of the recovery process (22,23). In contrast to factors that predispose persons to mental health disorders after terrorism, recent research has focused on resilience after terrorism and traumatic experiences. Resilience has been defined as the ability to engage in healthy functioning in an unhealthy setting and as the maintenance of mastery under stress (24–26). There is agreement on the existence of a relatively small set of global factors associated with resilience. They include a combination of positive internal resources, family system functioning, and external resources that ensure healthy functioning (27,28).

Findings in the last decade have highlighted how common is the phenomenon of resilience. It is a basic adaptive and protective human mechanism (29). Individuals possess many “internal resources” they can call upon to mediate risk (27). Temperament, cognitive functioning, self-efficacy, shyness, and intelligence are examples of internal resources often cited as related to outcomes (27,28). Enhancement of self-esteem and generalized efficacy, improved communication and conflict mediation skills, and other domains of cognitive problem-solving are related to increased resilience. In many respects, the mechanisms of coping are less important than whether a person accepts and believes that he or she can cope (16).

**Identification and Intervention**

Early encounters with persons who have experienced a terrorist attack may provide an opportunity to identify those who may be at risk for suffering from the adverse consequences of this experience. A brief, focused history aimed at documenting potential risk factors, such as degree of exposure, psychiatric history, or loss of social supports, may help identify patients in need of additional screening (19). Several relatively brief, validated instruments are available to help identify the mental health conditions most likely to occur in the aftermath of terrorism. A list and short descriptions are presented in Table 2. References are provided for more detailed information on the instruments themselves. Researchers have demonstrated the successful use of these types of instruments in the ED setting (6).

The initial approaches to mitigating the mental health consequences of terrorism involve patient education and support, referral for formal psychiatric evaluation and counseling and, where necessary, pharmacological interventions. Evidence suggests that most individuals experiencing fear and minor physical symptoms in the aftermath of mass events improve spontaneously, and that simply reminding people that most symptoms will resolve may be helpful (30). Although it may be difficult in the busy ED setting, clinicians should devote some time to describing how well most individuals cope under extreme circumstances, and encouraging people to resume their routine activities if possible (31,32).

The presence of social and familial supports and an individual’s desire and ability to use them is a crucial aspect of any recovery process (22,23). Early interventions may involve assisting individuals in the development of skills that facilitate their utilization of interper-
<table>
<thead>
<tr>
<th>Name of Instrument</th>
<th>Target Disorder</th>
<th>Description</th>
<th>Strengths</th>
<th>Weaknesses</th>
<th>Sensitivity/Specificity</th>
<th>Time Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental Health Inventory (MHI-5)</td>
<td>Mood and anxiety</td>
<td>5-item short version derived from the 38-item longer version; two items of the MHI-5 focus on symptoms of anxiety and the remainder on symptoms of mood disorders</td>
<td>Self-administered pen-and-paper form designed to screen general clinical patients for psychopathology</td>
<td>Does not detect substance abuse; not suitable for children or psychiatric population; lacks power to detect a broad range of psych disorders</td>
<td>Mood disorders sensitivity 0.83; specificity 0.78; anxiety disorders sensitivity 0.73; specificity 0.60; mood or anxiety disorders sensitivity 0.69; specificity 0.71; any disorder (substance use excluded); sensitivity 0.69; specificity 0.61.</td>
<td>5-item version takes 5 min</td>
</tr>
<tr>
<td>General Health Questionnaire (GHQ)</td>
<td>Daily functioning, psychological disorders related to general illness, mood disorders</td>
<td>Self-report instrument with a 4-point response scale</td>
<td>Self-report pen-and-paper form that is suitable for all age groups; available in multiple languages</td>
<td>Not to be used to determine life-long psychological disorders</td>
<td>Cutoff of 2.5 results in sensitivity of 0.64 and specificity of 0.74.</td>
<td>12-item version, 3–15 min to complete</td>
</tr>
<tr>
<td>Brief Symptom Inventory (BSI)</td>
<td>Psychological distress or somatic symptoms</td>
<td>A brief self-report symptom scale</td>
<td>Comparable in reliability and validity to the longer parent scale; available in multiple languages</td>
<td>Not suitable for children; results may be influenced by other psychological disorders.</td>
<td>Consistently identified 84% of cancer patients who were clinically diagnosed with distress</td>
<td>8 to 10 min</td>
</tr>
<tr>
<td>Life Experience Survey (LES)</td>
<td>Stress disorders</td>
<td>Designed to assess the influence of environmental stressors on stress disorders</td>
<td>Short and easy to administer, no training required</td>
<td>Test-retest susceptible to changes in life events over the course of administrations</td>
<td>7-point scale ranging from −3 to 0 to +3</td>
<td>10 min</td>
</tr>
<tr>
<td>Primary Care PTSD Screen (PC-PTSD)</td>
<td>PTSD</td>
<td>The PC-PTSD is brief and problem-focused</td>
<td>Assesses four basic PTSD symptoms</td>
<td>Does not contain trauma event-related questions</td>
<td>Cutoff of 5 on 3-item version results in a sensitivity of .90 and a specificity of .60.</td>
<td>4 yes or no questions</td>
</tr>
<tr>
<td>PTSD Checklist Civilian Version (PCL-C)</td>
<td>PTSD</td>
<td>Used when structured clinical interview not possible; abbreviated versions (2-item, 3-item, 4-item, 6-item) available</td>
<td></td>
<td>Cutoff of 9 results in sensitivity of 0.95 and specificity of 0.84.</td>
<td>17-item 5-point scale takes 5 min</td>
<td></td>
</tr>
<tr>
<td>Patient Health Questionnaire (PHQ)</td>
<td>Depression</td>
<td>Half the length of many other depression measures, with comparable sensitivity and specificity</td>
<td>Assesses nine symptoms of depression; multiple languages</td>
<td>Screening purposes only</td>
<td>Cutoff of 9 results in sensitivity of 0.95 and specificity of 0.84.</td>
<td>3 min or less</td>
</tr>
<tr>
<td>CAGE questionnaire</td>
<td>Alcohol use problem</td>
<td>Mnemonic screening device: Cut Down, Annoyed, Guilty and Eye Opener; can be administered in variety of treatment or non-treatment settings</td>
<td>Brief, multiple languages available</td>
<td>Cutoff of 2 results in a sensitivity of 0.78 to 0.81 and a specificity of 0.76 to 0.96</td>
<td></td>
<td>&lt; 1 min</td>
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</tbody>
</table>
This is particularly relevant because the aftermath of trauma often disrupts people’s sense of the world as a predictable, safe place (34). It is important to consider that a desire not to discuss the trauma and to avoid reminders of it may be part of coping (35). Initial ED interventions may consist of education in the form of validating and supportive conversations as well as handouts or flyers that describe trauma and its impact, providing information on where to get help and tips on coping and stress management techniques that can be helpful in the post-event environment (36). Although most ED practitioners will not provide more formal mental health interventions such as behavioral therapy and counseling, they should be aware of them so they can make informed decisions about referrals.

There is some controversy over which formalized mental health interventions work best during the initial short-term aftermath of trauma and which are best for particular populations of exposed or directly affected individuals. Although there have been no randomized clinical trials of post-disaster behavioral interventions, critical incident stress debriefing (CISD) has been the focus of considerable attention as an initial intervention (37,38). Despite the popularity of CISD, recent consensus has called its effectiveness into question and has emphasized the benefits of psychological first aid (PFA) as a more effective and relevant approach (39). Cognitive behavioral therapy (CBT) administered by mental health professionals remains the treatment of choice once individuals’ basic and immediate needs have been met.

The assumption underlying CISD is that all individuals exposed to a traumatic event are at risk for stress reactions (including PTSD) and, as such, most everyone who has been exposed can benefit from the opportunity to learn about trauma manifestations and coping, and by sharing their experience. Arguments in favor of the CISD approach include the fact that it is a way to maintain morale, increase cohesions, and help workers feel empowered. Typically, all individuals exposed to a potentially traumatizing incident are invited to participate in a 3–4 h session within a few days of the event. Participants receive education about stress and ways of coping with it, messages about the normal nature of many such reactions, and are allowed to recount the event and are given the opportunity for further interventions.

Although it is well received as a frequent, if not standard, practice for emergency service personnel, there is no evidence that critical incident stress debriefing is effective in either reducing PTSD or in forestalling its later development (30,37,40). Uncontrolled studies attesting to its efficacy typically focus on its alleged benefit of reducing or preventing PTSD reactions (41,42). These factors have led to the standard application of CISD.
despite accumulating evidence for its lack of efficacy (43,44).

CISD is not intended for “direct” trauma victims, but for those who are “indirectly exposed” to the critical incident as a result of their professional responsibilities. As such, CISD is routinely administered to emergency services personnel and other professionals whose work entails regular exposure to traumatic events (e.g., law enforcement personnel, disaster workers such as the American Red Cross, firefighters, Emergency Medical Services, and military personnel). In practice, this distinction between “direct” and “indirect” exposure seems to be rather inconsistent and not enforced.

In addition to its questionable efficacy, criticisms of CISD include the inappropriateness of mandatory participation in debriefing activities, the potential for iatrogenic harm if traumagenic material is introduced to group members who would not otherwise be exposed to such material, the possibility of psychological impact to highly susceptible persons when provided with psychoeducation about symptoms of distress, the fact that there is no opportunity to exclude at-risk individuals such as the intensely bereaved, those experiencing dissociation or psychosis and those physically ill, and the risks involved when there are no further opportunities for ongoing therapy or relevant interventions to those in need.

PFA is an evidence-informed approach for assisting individuals (children, adolescents, adults, and families) in the immediate aftermath of disaster and terrorism. It is designed to reduce the initial distress caused by traumatic events, and to foster short- and long-term adaptive functioning. PFA should be delivered by health professionals trained in its application. These are most commonly mental health specialists providing assistance to affected individuals as part of an organized disaster response effort, including first responder teams, incident command systems, primary and emergency health care providers, school crisis response teams, faith-based organizations, Community Emergency Response Teams, Medical Reserve Corps, the Citizens Corps, and disaster relief organizations. It can be implemented in diverse settings such as shelters, schools, hospitals, homes, staging areas, feeding locations, family assistance centers, and other community settings.

Providers establish a human connection in a non-intrusive, empathic manner, secure immediate and ongoing safety, and provide physical and emotional comfort. They also help survivors to define and articulate immediate needs. It is essential to offer concrete assistance and information to help address individuals’ immediate needs and concerns and connect them as soon as possible to social support networks, including family members, friends, neighbors, and community helping resources. As a point of first contact for individuals who would benefit from PFA, emergency physicians are in a unique position to provide such support and reassurance and assist with concrete needs such as shelter. They also should be familiar with and provide referral to available mental health resources for those who are at risk for or are already displaying clinically significant mental health symptoms.

The literature on empirically validated interventions specifically directed to post-terrorism is limited, but there is substantial evidence for the effective treatment of the mental health disorders commonly seen after terrorism (45). Treatment of post-terrorism mental health disorders includes counseling or psychotherapy utilizing a cognitive behavioral approach as well as pharmacologic interventions. Emergency physicians participate in the therapeutic process by identifying those at risk, being aware of these interventions, and providing prompt referral for treatment.

Psychotherapeutic treatment of panic disorder is targeted at addressing fearfulness of bodily sensations. The treatment is intended to produce change by altering cognitive and associated processes. Through specialized interventions such as breathing retraining, relaxation techniques, and situational exposure, individuals learn to understand the reactions to their physical sensations that lead to their perception of panic as well as its impact on their functioning (5). Patients are helped to increase their emotional tolerance to the physical sensations associated with panic. Pharmacologic agents typically used to treat panic include selective serotonin reuptake inhibitors (e.g., fluoxetine) and tricyclic antidepressants (e.g., nortriptyline) (46). Researchers have demonstrated the successful ED initiation of treatment for panic disorder (under psychiatric consultation) with paroxetine 20 mg/day for 1 month (6). Early interventions in the ED setting have been associated with “reduced long-term consequences” (47).

The initial treatment of mild anxiety also includes psychotherapeutic approaches such as cognitive behavioral therapy (CBT). Pharmacologic therapy, for patients whose anxiety disorder interferes with daily functioning, consists primarily of short-term treatment with anxiolytics such as benzodiazepines (48).

The best available evidence suggests that cognitive behavioral therapy is effective in reducing PTSD onset and progression (30). Psycho-education, anxiety management, cognitive restructuring, exposure and relapse prevention skills are appropriate CBT interventions. Ideally, CBT should be provided over successive weeks and should include considerable patient involvement to ensure that anxiety management, exposure, and cognitive restructuring is practiced daily. Pharmacologic treatment options for PTSD include selective serotonin reuptake
inhibitors (e.g., fluoxetine) and anti-adrenergic agents such as clonidine (49).

Treatment of depression may involve counseling and psychotherapy or may require pharmacotherapy with anti-depressant medication. Potential suicidal ideation requires emergent psychiatric evaluation. Common pharmacological anti-depressant medication classes include selective serotonin reuptake inhibitors (e.g., fluoxetine) and tricyclic anti-depressants (e.g., nortriptyline).

CONCLUSIONS

Emergency medicine practitioners may well be the first contact for patients with mental health problems after terrorist incidents. In addition to preparing for the potential physical conditions and injuries associated with terrorism, they should be aware of and consider responses to the inevitable psychological injuries that will follow such incidents.

Although most people in the general population can be expected to recover spontaneously within several months after a terrorist event, other individuals are at increased risk of developing more debilitating mental health conditions that have been associated with post-terrorist and disaster environments. Screening tools are available to help emergency practitioners identify them and refer them for more formal psychiatric evaluation and potential interventions to facilitate and speed healing. Emergency and other health practitioners can contribute to the recovery process by providing support, validation of feelings, and education on available resources.

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