Understanding Injury in Behavioral and Mental Health Settings

Based on a 2016 survey by the Substance Abuse and Mental Health Services Administration (SAMHSA), the National Institute of Mental Health (NIMH) found that 18% of adults in the U.S. had a mental illness in the previous year (National Institute for Mental Health, 2017). Prevalence varies across age groups, from 22.1% among young adults (18–25 years) to 21.1% among adults (26–49 years) and 14.5% among older adults (50+). Some of those living with mental illnesses may not even be aware of their condition; NIMH found that in the same year (2016), only 43.1% received mental health treatment.

Behavioral and mental health (BMH) patient populations may present a higher risk for self-harm or harm to others. Self-harm can be broadly defined as “all acts of intentional injury to self, regardless of intent” (James, Stewart, & Bowers, 2012). According to Corrigan, Druss, and Perlick (2014), “Suicide and violence are among the most serious consequences of mental illnesses.” A meta-analysis of 44 studies found the number of suicides among psychiatric inpatients to be “disturbingly high,” with an increase over the past three decades (Walsh, Sara, Ryan, & Large, 2015). However, a larger population of non-psychiatric patients identified as a low risk for suicide may actually present a higher risk burden (Roaten, Johnson, Genzel, Khan, & North, 2018). According to one study, only two of 54 non-psychiatric suicidal inpatients were identified by non-psychiatric medical staff to be at risk before their suicides (Cheng, Hu, & Tseng, 2009).

Suicide is among the top five sentinel events in The Joint Commission’s (TJC) Sentinel Event Database (The Joint Commission, 2017b), but suicide ideation across settings can be difficult to identify (The Joint Commission, 2016). Approximately half of suicides take place in psychiatric units, and up to 10% of suicide attempts occur in the ED, but risk is also present in medical-surgical units, intensive care units, and clinics (Mills, DeRosier, Ballot, Shepherd, & Bagian, 2008; Mills, Watts, DeRosier, Tomolo, & Bagian, 2012; Mills, Watts, & Hemphill, 2014). This problem is not unique to the U.S. Studies conducted in Japan and Taiwan also found that...
approximately half of inpatient suicides were in medical settings, and half were in psychiatric settings (Cheng, Hu, & Tseng, 2009; Inoue et al., 2017).

The Centers for Medicare and Medicaid, along with TJC, continue to develop measures for suicide prevention in “inpatient psychiatric hospitals, inpatient psychiatric units in general acute care hospitals, and non-behavioral health units designated for the treatment of psychiatric patients,” as well as those areas that may temporarily serve psychiatric patients (The Joint Commission, 2017a). The most common methods of inpatient suicide are hanging and jumping, though suicide methods may vary by unit type (Mills et al., 2008; Mills et al., 2012; Mills et al., 2014).

While self-harm (suicide or non-suicidal harm) is one area of concern, aggression and violence can also lead to physical and/or psychological harm against staff and other patients. Violent crime in hospitals has been on the rise, rising from 2 to 2.8 events per 100 beds between 2012 and 2015 (Gooch, 2018). In fact, physical violence affects nurses in nearly all work environments across every region of the world (Gillespie, Gates, & Berry, 2013), with the most risk associated with emergency departments and inpatient mental health units violence (Lenaghan, Cirrincione, & Henrich, 2017; Perkins, Beecher, Aberg, Edwards, & Tilley, 2017). One meta-analysis found that 17% of patients in mental health units committed at least one act of violence (Iozzino, Ferrari, Large, Nielssen, & de Girolamo, 2015). The Bureau of Labor Statistics collects data on workplace violence by industry (Bureau of Labor Statistics, n.d.), and NIOSH and OSHA (2016) provide guidance on harm prevention programs.

However, it is essential to recognize that the BMH spectrum covers a vast array of ages and disorders, and each patient population may represent unique situations and needs (Kessler & Wang, 2008; NIMH, n.d.; Reed et al., 2013). There is often a stigma associated with mental illness at the individual and/or societal level (Corrigan et al., 2014), and this stigma may heighten perceived danger (Schneeeberger et al., 2017). When designing the environment for vulnerable BMH populations, it is important to balance safety with patient comfort, as overly restrictive environments may reinforce stigmas, contribute to patient trauma, and increase suicide risk (Sakinofsky, 2014; Walsh et al., 2015). The degree of potential harm in different locations must be evaluated in order to establish priorities during the caregiving process. Refer to the associated Issue Brief, Design Strategies, and SRA toolkit for additional guidance.
References


