

**Anexx 1:** Quantitative summary of occupational hazards in emergency service workers obtained from the review.

Risk	Article Year	Variable	Problem measure Scale
Stress and burnout	Ref 6 2007	Job stress	Mean= 214.43 SD=51.78 Occupational Stress Inventory for Nurses*
	Ref 6 2007	Emotional exhaustion	Mean=22.69 SD= 10.69 Maslach Burnout Inventory (MBI) †
	Ref 6 2007	Depersonalization	Mean=11.45 SD= 5.58 Maslach Burnout Inventory (MBI)
	Ref 6 2007	Personal achievement	Mean=32.39 SD= 8.56 Maslach Burnout Inventory (MBI)
	Ref 8 2012	Traumatic events	Over 90% of emergency physicians reported a traumatic event
	Ref 12 2012	Strain	Mean =91.2 Scale for measuring personal strain ( <i>Personal strain in Occupational Stress Inventory</i> ) ‡
	Ref 16 2003	Psychological distress	51% with some degree of psychological distress General Health Questionnaire (GHQ)
	Ref 18 2014	Burnout	More than 50% with some degree of burnout Maslach Burnout Inventory (MBI)
	Ref 20 2005	Burnout	Mean =49.3 SD=8.5 Maslach Burnout Inventory (MBI)
	Ref 20 2005	Emotional exhaustion	Mean =20.2 SD=4.8 Maslach Burnout Inventory (MBI)
	Ref 20 2005	Depersonalization	Mean =9.2 SD=2.6 Maslach Burnout Inventory (MBI)
Ref 20 2005	Personal achievement	Mean =19.9 SD=4.0 Maslach Burnout Inventory (MBI)	
Contact with blood or other body fluids	Ref 23 1993	HIV positive patients treated	4.9 to 8.1% of visits of HIV-positive patients treated in emergency departments
	Ref 23 1993	Contacts with blood	1.3 blood contacts per 100 with doctors or nurses procedures with gloves
	Ref 23 1993	Contacts with blood	11.2 blood contacts per 100 with doctors or nurses procedures without gloves
	Ref 23 1993	Annual risk of infection	Annual risk of infection with HIV between 0.0005% and 0.026%,
	Ref 24 1990	HIV positive patients treated	0.7% of visits were HIV positive patients

	Ref 27	Patients treated or cared for	Contagion risk was 4.99 to 24.9 per 100,000 venipunctures for HBV, 5.6 to 8.4 for HCV, 0.12-0.16 for HIV
	Ref 28 1995	Patients treated or cared for	1.25 blood contact per 100 patients treated
	Ref 30 2012	Exposure episodes	57.5% of workers had at least one episode of exposure to blood or injury with sharp instrument
	Ref 32 2011	Exposure to blood or fluids	1.2 exposures to contaminated blood or fluids per 1000 patients seen
	Ref 32 2011	Type of exposure	32.9% of exposures were meningitis; 17.1% tuberculosis
<b>Violence</b>	Ref 34 1999	Violence episodes	86% of respondents experienced verbal violence at least once
	Ref 34 1999	Violence episodes	100% witnessed at least one episode of violence in a year
	Ref 38 2012	Violence episodes	11.4% annual rate of violence in the emergency department
<b>Other risks</b>	Ref 42 2012	Pain location	63.8% of emergency department nurses had back pain, 67% of neck and shoulder 65%
	Ref 45 2013	Breast cancer risk	95% confidence interval for RR: 1.00 a 1.10 (night work / daytime work)
	Ref 46 2013	Breast cancer risk	3% increase in risk of cancer for every increase of 5 years in night work time
	Ref 51 2014	Risk of metabolic syndrome	Confidence interval for relative risk RR: 1.24 to 1.98 (ever exposed to night shift work/ never night work)

Note: only relevant data items that had one clear measure of risk data are included.

\* Occupational Stress Inventory for Nurses, mean score: 149-228. See reference 6).

† American Standards for Maslach Burnout Inventory: emotional exhaustion (moderate 19-26); depersonalization (moderate 6-9); personal achievement (moderate 34-39).

‡ Scores above 70 indicate high likelihood of maladaptive stress.



Esta obra de Medwave está bajo una licencia Creative Commons Atribución-No Comercial 3.0 Unported. Esta licencia permite el uso, distribución y reproducción del artículo en cualquier medio, siempre y cuando se otorgue el crédito correspondiente al autor del artículo y al medio en que se publica, en este caso, Medwave.