

Index

Please note: page numbers in **bold type** indicate figures or tables

- ABCDEs (airway, breathing, circulation, disability, and exposure), 28, 32
- abdominal trauma injury, appropriate treatment facility, 27
- ABI (Ankle Brachial Index), vascular injury assessment, 33
- abuse, physical or sexual, medical conditions that may be confused with, **137, 138, 141**
- ACGME criteria for emergency medicine, 117
- ACLS (advanced cardiac life support), 35, 36
- Action-Means-Purpose (AMP) model, of human trafficking, 57
- Adult Protective Services (APS), 156
- Affordable Care Act, 7, 118
- affordable housing
 - role of local political resistance in limiting housing supply, 3
 - scarcity of as main driver of urban homelessness, 3
- agitation
 - overview, 13–14
 - cooperative patients, 14
 - dangerously severe agitation, 17–21
 - conditions associated with, 21
 - initial management, 22
 - monitoring
 - requirements, 21
 - pharmacologic approach, 19
 - physical restraint, 19, 20–21
 - recognizing, 18, 22
- differential diagnosis, 43
- disruptive without danger, 14–17
 - monitoring
 - requirements, 16
 - pharmacological approach, 14, 15–16
- drivers of, 13
- due to substance use, 43
 - management, 44
- homelessness and, 13
- levels of severity, 14
- verbal de-escalation techniques, 15
- AIDS (acquired immunodeficiency syndrome), discovery in the US, 88
- airway, primary survey, 28
- alcohol
 - intoxication, management, 42
 - withdrawal, 44–45
 - BAWS (Brief Alcohol Withdrawal Scale), **46**
 - clinical features, 45
 - management, 45–46
 - syndromes, 45
- American Accreditation Council for Graduate Medical Education (ACGME), criteria for emergency medicine, 117
- AMPLE (allergies, medications, past medical history, last meal, and events leading up to and related to injury), 30
- amputations
 - minority patients, 117
 - penetrating trauma and, 34
- Amsterdam Center for Health Communication symposium, 118
- anabolic androgen steroids (AAS)
 - side effects, 127
 - use of by gay and bisexual men, 127
- anal cancer, gay men, 126
- antibiotics, broad-spectrum, 33
- asthma
 - overview, 98
 - access to healthcare and, 104
 - children, evaluating for
 - foreign body aspiration in children, 100
 - classic symptoms, 99
 - clinical features, 99–100
 - diet and, 104
 - economic stability and, 103
 - education and, 103
 - environmental factors, 101–102
 - epidemiology, 100
 - financial burden of in the US, 101
 - health disparities and, 102
 - indoor air pollutants, 101–102
 - morbidity and mortality, 100–101
 - increase in the US, 101
 - outdoor air pollutants, 102
 - pathophysiology, 99
 - prevalence
 - by age, 100
 - by ethnicity, 100
 - by region, 100
 - in the US, 100
 - racial discrimination and, 104
 - social determinants of health and, 103–105
 - special issues presented by urban environments for, 98
 - transportation/urbanization and, 102–103
 - treatment and management, 105
 - US mortality rates, 101

- ATLS (advanced trauma life support), 32
- barbiturates, and sedative-hypnotic toxicity, 41
- bleeding
- acute hemorrhage, initial management, 32
 - bleeding control in patients with hard signs of vascular injury, 33
 - focus of management, 34
 - tourniquet placement, 32
 - and traumatic arrest, 34
- body packing or stuffing of drugs, treatment scenario, 52
- breathing, primary survey, 28
- Bronx Knows HIV/AIDS project, 89
- Broselow™ pediatric emergency tape, 35
- Bush, George W., 6
- C. difficile, 77, 79
- Campylobacter, 77, 78–79, 85
- cannabinoid toxicity, 43–44
- cannabis, legal status in the US, 43
- cardiac tamponade, 35
- CBRNE (chemical, biological, radiological, nuclear, or high-yield explosives), 175–177
- CD4 count, and HIV/AIDS, 159.1, 90, 91
- chemical warfare agents (CWA), use of on civilian targets, 175
- chemsex, 127
- chest compressions, importance in traumatic cardiac arrest, 34
- chest x-ray, primary survey adjunct, 29
- Chikungunya fever, 75
- child maltreatment
- overview, 133–135
 - abusive head trauma (AHT), 140
 - conditions that may mimic, 141
 - evaluating for with imaging, 142
 - categories, 133, 134
- clinical history-taking, 136–137
 - communicating with the family, 144
 - documentation, 145
 - genital exam, 140–141
 - imaging of fractures, 143
 - laboratory studies and imaging, 141–142
 - lifelong consequences, 134
 - medical conditions that may be confused with physical or sexual abuse, 137, 138, 141
 - physical examination, 137–141
 - potential signs of, 137–139
 - reporting requirements, 144–145
 - risk factors for abuse, 135–136
 - sentinel injuries, 137–138
 - TEN-4 bruising rule, 140
 - urban-rural comparisons, 135
- Child Protective Services (CPS), 137, 144–145
- children, 80
- anatomic and physiologic differences between adults and, 35
 - asthma symptoms, importance of evaluating for foreign body aspiration, 100
 - diarrheal illnesses, 80
 - see also* pediatric patients.
- cholera, 78
- chronic respiratory illness, US mortality rates, 100
- circulation, primary survey, 28
- civil unrest
- definition and overview, 161
 - components of the ED response, 162–163
 - France (2018, 2019), 164
 - Hong Kong (2019, 2020), 164, 167
 - injury patterns
 - typical, 163–164
 - chemical crowd dispersal agents, 166–168
 - symptoms and management of exposure to, 166
- conducted electrical weapons, 165–166
- improvised incendiary devices, 168
- kinetic impact projectiles, 164–165
- retinal laser injuries, 168–169
- law enforcement canines and, 163
- less-lethal weapons, 164
- studies of injury patterns from, 164
- Portland, OR (2020), 168
- United States (2020), 164
- clinician/patient discordance, 6, *see* discordance between clinician and patient
- compartment syndrome
- causes and symptoms, 34
 - most common cause, 34
- computed tomography, 30, *see* CT.
- conducted electrical weapons (CEWs), injury patterns, 165–166
- contrast angiography, vascular injury assessment, 33
- cosmetic surgery, and medical tourism, 81
- counter-terrorism medicine (CTM), 173, 177
- cross-silo approach, 180
 - parameters and relationships of, 178
 - practice of, 179–180
 - status, 177–178
- COVID-19 pandemic
- and elder mistreatment, 157
 - and identification of those at potential risk of novel infections, 80
 - resulting increase in substance use, 40
 - and the rise in domestic extremist activity, 173–174
- COWS (Clinical Opiate Withdrawal Scale), 48
- CT (computed tomography), 30

CT angiogram (CTA), vascular injury assessment, 33	racial discordance, 111, 113–114 negative impacts, 116 reasons for hope, 117–119 and the ACGME criteria for emergency medicine, 117 in the emergency department, 112–113 domestic violence, homelessness and, 2	urban-rural comparisons, 148–150 <i>The End TB Strategy</i> (WHO), 93
CT scans, penetrating trauma, 30–31 neck, 31	droperidol, black box warning, 16	enteric fever, 70, 74–75, 78
cultural competency, 118, 119, 123	dysentery, 78–79	epidemic, CDC definition, 88
deaths, usual cause of in penetrating extremity trauma, 32	E. coli, 77, 78, 79	ethanol, 42 deaths attributed to globally, 42 <i>see also</i> alcohol.
debriefing of trauma team members, importance of after complex trauma cases, 28	Ebola virus precautions required, 71 Texas outbreak, 68	exploitation, definition in the context of human trafficking, 57
dementia, agitation and, 14, 16	elder mistreatment overview, 148–150 clinical features, 151–154 COVID-19 and, 157 documentation, 156	exposure, primary survey, 29
Dengue fever, 70, 71–72	ED Senior Abuse Identification tool (ED Senior AID), 154	FAST exam (Focused Assessment with Sonography in Trauma), 29
diarrheal illnesses, 76, <i>see under</i> overseas travelers	Emergency Medicine Screening and Response Tool (EM-SART), 154	foreign body aspiration in children, importance of evaluating suspected asthma for, 100
digital rectal exam, purpose, 30	identifying in the ED, 150–151	gender-affirming surgery, and medical tourism, 81
disability assessment, Glasgow Coma Scale (GCS), 29 and homelessness, 2 primary survey, 29	indicators of, 152–153 laboratory studies and imaging, 153–154 management, 154–155 observation and medical history-taking, 151–152 physical examination, 153 reporting policies, 156 risk factors, 151 screening for, 154 self-neglect, 157 services available for vulnerable older adults, urban-rural comparison, 155	Giardia infection, 76, 77–78 Guillain-Barré syndrome, 78 gunshot wounds abdomen, 26, 35 CT scan requirements, 31 extremities, 26, 32, 36
disaster medicine, 177 <i>see also</i> counter-terrorism medicine (CTM); mass casualty incidents	physical examination, 153 reporting policies, 156 risk factors, 151 screening for, 154 self-neglect, 157 services available for vulnerable older adults, urban-rural comparison, 155	HAART (highly active antiretroviral therapy), 90–91
discordance between clinician and patient definition and overview, 110–112 Australian study, 116, 117 cultural/religious discordance, 115–116 cultural/religious discordance, Willie Ramirez case, 111, 116 cultural/religious discordance, 111	team based multidisciplinary approach, 156 trauma-informed care approach, 155 types of abuse, 149–150	hard signs, in neck trauma, 31 HEAL trafficking protocol (Health, Education, Advocacy, Linkage), 61
Israeli government hospitals, 116		health insurance, benefits for patients experiencing homelessness, 7
language discordance, 111, 114–115 negative impacts, 116–117		hemorrhage, 8, <i>see</i> bleeding.
LGBTQIA+ patients, 123–126		hemorrhagic fevers, 71 viral, 80, 82–83
mitigations enacted, 118–119		hemothorax, 28–29, 35
negative impacts on patient care, 116, 117		hepatitis, acute, 70
		HIV (human immunodeficiency virus), discovery, 88
		HIV/AIDS overview, 87

- HIV/AIDS (cont.)
 CD4 count and, 90, 91
 District of Columbia, HIV
 transmission
 reduction
 strategies, 89
 epidemiology, 88–89
 homelessness as risk factor
 for, 88
 nonoccupational post-
 exposure prophylaxis
 medications
 (nPEP), 126
 offering testing for, 90
 opportunistic infections
 associated with, 91
 overseas travelers and, 74
 pre-exposure prophylaxis
 (PrEP), 89, 126
 relationship with TB, 87,
 92, 95
 risk factors for infection,
 88–89, 90
 sex tourism and, 74
 signs of, 90
 Social Network Strategy,
 89
 strategy and screening,
 89–90
 therapy, 90–91
 homelessness
 overview, 1–2
 age and, 4
 agitation and, 13
 association with higher
 mortality, 4
 characteristics of ED visits by
 people experiencing
 homelessness, 4–5
 concept and language
 around, 1–2
 de-emphasizing ED
 utilization in cases
 of, 7
 domestic violence and, 2
 drivers of urban
 homelessness, 2–4
 health insurance and, 7
 HIV infection, homelessness
 as risk factor for,
 88
 housing first programs, 6
 impact assessment on ED
 operations, 7
 interventions, ED-based, 5–7
 NIMBY activism and, 3
 older adults in urban
 settings, increasingly
 common among, 148
 peer care coordinators, 6
 prevalence
 in society, 1
 in the US population, 2
 in urban settings, 2
 racial perspectives, 3–4
 rural vs urban settings, 2
 seeing patients undressed,
 importance of, 5, 8
 special considerations for
 medical care of
 patients experiencing
 homelessness, 5
 stigmatization and, 4
 urban EDs, proportion of
 visits from patients
 experiencing
 homelessness, 2
 US crisis, 2
 and waiting times for
 treatment, 4, 7
 homicide rates, of people
 experiencing
 homelessness, 4
 Hope for Justice Protocol, 61
 Housing First, 6
 human trafficking
 definition, 57
 challenges, 63
 difficulty of identifying
 patients suffering
 from, 58
 health implications for
 victims of, 59–60
 interpreters, considerations
 when using, 61
 labor trafficking
 definition, 57
 health implications for
 victims of, 59
 percentage of foreign
 nationals who are
 victims of, 61
 legal considerations, 62
 offering forensic
 evaluation, 62
 patients who decline
 assistance, 62
 protocol development, 61
 red flags and indicators,
 58–59
 reporting requirements, 62
 resources, 62
 risk factors, 58
 safety considerations, 61
 sex trafficking
 definition, 57
 health implications for
 victims of, 60
 trauma-informed care
 approach, 60–61
 United Nations Trafficking
 in Persons Global
 Report, 61
 in urban areas, 57
 US legislation against, 57
 HUS (hemolytic-uremic
 syndrome),
 79–80
 hypercapnia, 41, 99
 hyperthermia, management
 of, 44
 imaging, use of in stable
 patients and those
 with soft signs of
 vascular injury, 33
 improvised incendiary devices,
 injury patterns, 168
 incarceration
 as risk factor for HIV, 90
 as risk factor for TB, 92
 income inequality, as driver of
 homelessness, 3
 infection, risk of in penetrating
 extremity trauma, 32
 infectious disease, emerging
 threats, 80
 intoxication, agitation and, 14
 intravenous lines, placement
 of, penetrating
 trauma, 30
 Islamic cultural norms, 116
 Israeli government hospitals,
 clinician/patient
 discordance, 116
 kinetic impact projectiles
 (KIPs), injury
 patterns, 164–165
 labor trafficking, 57, *see under*
 human trafficking.
 language, clinician/patient
 discordance, 111,
 114–115
 negative impacts, 116–117
 lasers, retinal laser injuries,
 168–169

- Lassa fever, precautions required, 71
- Level 1 Trauma Centers
necessity of transferring critically ill trauma patients to, 34
services available at, 27
- LGBTQIA+ care
overview, 123–126
bisexual patients, 128
children and adolescents, 129
drug abuse/misuse, 127, 129
gender related terminology, 124–125
issues specific to gay and bisexual men, 88, 126, 127
issues specific to lesbian and bisexual women, 127–128
issues specific to transgender people, 128
LGBTQIA+ clinicians, 129
mental health considerations, 129
pansexual patients, 128
pelvic exam, 127
pregnancy testing, 127
recreational drug use, 126–127
resources, 130
sexually-transmitted infections
men who have sex with men, 126
women who have sex with women, 127
- limited English proficiency (LEP), TeamSTEPPS course, 120
- malaria, 70, 71, 72–74
- mass casualty incidents
definitions and overview 174
CBRNE (chemical, biological, radiological, nuclear, or high-yield explosives), 175–177
Chernobyl disaster, 175
counter-terrorism medicine, 177, *see* counter-terrorism medicine (CTM).
- “dirty bomb”, 175
definitions and overview, 173–174
field triage algorithm, 176
London Bridge attacks (2017), 180
“reverse triage”, 174, 179
role of urban emergency departments, 180
targeting of healthcare personnel and facilities, 180
- Mayo Clinic, and medical tourism, 84
- MDMA, 43
- Medicaid, 6, 7, 91, 113
- medical tourism, 80
cosmetic surgery, 81–84
organ transplant, 84
to the US, 84
- mental illness, as driver of homelessness, 3
- men-who-have-sex-with-men (MSM), 89
sexually-transmitted infections, 126
and the HIV/AIDS epidemic, 88
see also LGBTQIA+ care.
- MERS (Middle East respiratory syndrome), precautions required, 71
- methadone
management of patients with ingestions of, 41
opioid use disorder, 47
- migration, homelessness and, 3
- Molotov cocktail, 168
- Moscow theater attack, 175
- MOUD (medications for opioid use disorder), 47
- naloxone
benefits of provision to people experiencing homelessness, 6
management of opioid toxicity, 41
- National Healthcare Quality and Disparities Report (US, 2018), 111
- neck trauma
assessing for hard signs, 31
- zonal approach to evaluation and treatment, 31
- Novichok attack, UK, 175
- open cardiac massage, 35
- opioid crisis, US, 175
- opioid toxicity, 40, *see under* substance use.
- opioid use disorder, 41, 52
medications for (MOUD), 47
prevalence in urban settings, 39
- opioid withdrawal, 47, *see under* substance use.
- orthopedic injury, penetrating trauma, 33–34
- overcrowding and boarding in the ED
overview, 185
main causes, 187
solutions
emergency department level, 186–187
team triage, 187
tele-triage, 187
hospital level, 185–186
early discharge, 186
full capacity protocol (FCP), 186
smoothing elective admissions, 185
weekend discharge, 186
- overseas travelers
overview, 67
CDC list of countries with active travel warnings, 80
- diarrheal illnesses, 76–80
children, 80
cholera, 78
diagnostic testing, 79
disposition, 80
dysentery, 78–79
Giardia infection, 76, 77–78
history-taking, 69
physical exam, 76–77
traveler’s diarrhea, 77
treatment options, 79
- emerging infectious threats, 80
- evaluation, 68
- fever
acute hepatitis, 70
Chikungunya, 75

- overseas travelers (cont.)
 Dengue, 70, 71–72
 enteric fever, 70, 74–75, 78
 etiologies
 by incubation period, 70
 by region, 69
 by symptoms, 70
 hemorrhagic fevers, 71, 80,
 82–83
 history-taking, 69
 HIV, 74
 malaria, 70, 71, 72–74
 parasitic infection, 71
 physical exam, 70
 precautions, 71
 routine laboratory
 studies, 71
 Zika, 75–76
 fever
 infectious disease, 68–80
 common
 manifestations, 68
 triage and screening,
 68–69
 medical tourism, 80
 cosmetic surgery,
 81–84
 organ transplant, 84
 to the US, 84
 parasitic infection, overseas
 travelers and, 71
 PEARR (provide privacy,
 educate, ask, and
 respect and respond),
 as trauma-informed
 approach to potential
 trafficking victims,
 60–61
 pediatric patients
 anatomic and physiologic
 differences between
 children and
 adults, 35
 Broselow™ pediatric
 emergency tape, 35
 penetrating neck trauma
 guidelines, 32
 penetrating trauma, 35
 pelvic x-ray, 29
 penetrating trauma, 30
 overview, 26–27
 abdominal injury,
 appropriate
 treatment facility, 27
 amputations, 34
 compartment syndrome, 34
 concurrent evaluation and
 treatment process, 30
 controlling the environment
 during trauma
 evaluation, 27
 correct team structure,
 importance of, 27
 critical illness, 34–35
 CT scans, 30–31
 ED selection for injury
 type, 27
 extremities, 32–33
 intravenous lines, placement
 of, 30
 neck injury, 31–32
 orthopedic injury, 33–34
 pediatric patients, 35
 primary survey, 28
 adjuncts, 29
 routine trauma labs, 30
 secondary survey, 30
 shock, managing, 34
 vascular injury, 33
 see also gunshot wounds;
 stab wounds.
 phenobarbital, for alcohol
 withdrawal, 46
 physical or sexual abuse,
 medical conditions
 that may be confused
 with, 137,
 138, 141
 physician/patient discordance,
 see discordance
 between clinician and
 patient.
 pneumothorax, 28–29, 35
 pregnancy
 active TB and, 94
 HIV screening and, 89
 LGBTQIA+ patients,
 126–127, 128
 testing for in the case of
 suspected drug
 toxicity, 40
 Zika virus and, 75
 Project Implicit, implicit bias
 training, 120
 PSH (permanent supportive
 housing), 6
 race/ethnicity
 clinician/patient
 discordance, 111,
 113–114, 116
 negative impacts, 116
 and distrust in the healthcare
 system, 111
 and HIV therapy, 90–91
 homelessness and, 3–4
 and peripartum death, 116
 and quality of care
 received in the
 ED, 117
 as risk factor for HIV
 infection, 88
 as risk factor for TB
 infection, 92
 and risk of elder abuse, 148
 and the American physician
 workforce, 112–113
 Ramirez, Willie, cultural/
 religious discordance,
 111, 116
 recreational drug use,
 LGBTQIA+
 community, 126–127
 redlining, homelessness and, 3
 restraint, dangerously severe
 agitation and, 19,
 20–21
 resuscitation, importance for
 all trauma patients, 32
 right to refuse treatment,
 patients in police
 custody, 50
 RIPE therapy (rifampin,
 isoniazid,
 pyrazinamide, and
 ethambutol), 94
 Salmonella, 69, 70, 74, 77,
 78–79, 85
 schizophrenia, agitation
 and, 14
 self-neglect, as form of elder
 mistreatment, 157
 sepsis, 78, 80
 September 11 2001 terrorist
 attacks, 9/11
 commission
 report, 177
 sex tourism, and the risk of
 contracting HIV
 infection, 74
 sex trafficking, *see under*
 human trafficking.
 sexual assault, potential
 trafficking victims,
 offering forensic
 evaluation, 62

- sexually-transmitted infections
 men who have sex with
 men, 126
 women who have sex with
 women, 127
 Shiga toxin, 77, 78–79
 Shigella, 70, 77, 78–79
 shock
 managing, 34
 minimizing through
 prehospital
 tourniquet
 placement, 32
 sobriety, as clinical
 diagnosis, 42
 Social Determinants of Health
 (SDoH)
 asthma and, 103–105
 categories, 103
 socioeconomic status (SES)
 and access to treatment, 105
 HIV care and, 89,
 90, 91
 as risk factor for HIV
 infection and related
 mortality, 88–89
 as risk factor for non-
 adherence to
 medication, 94
 as risk factor for TB, 92
 stab wounds
 as cause of penetrating
 extremity trauma, 32
 use of imaging, 31
 Stonewall Inn, 125
 substance use
 overview, 39–40
 acute poisoning, 40
 adulterants or “cutting
 agents”, 49
 brodifacoum, 49
 diphenhydramine, 49
 levamisole, 50
 talc, 50
 xylazine, 50
 agitation, 43
 management, 44
 alcohol withdrawal,
 44–45
 BAWS (Brief Alcohol
 Withdrawal Scale), 46
 clinical features, 45
 management, 45–46
 body stuffing or packing, 51
 cannabinoid toxicity,
 43–44
 clinical features, 44
 common drugs identified in
 urban settings, 39
 interventions aimed at
 reducing, 6
 law enforcement and legal
 issues, 50–51
 opioid toxicity, 40–41
 clinical features, 41
 follow-up
 recommendations, 41
 management, 41
 opioid use disorder,
 medications for
 (MOUD), 47
 opioid withdrawal, 47
 clinical features, 47
 COWS (Clinical Opiate
 Withdrawal Scale), 48
 management, 47
 regional variation of drugs
 used in US cities, 39
 reporting information to law
 enforcement, 50
 sedated toxicology patient,
 40–41
 sedative-hypnotic
 toxicity, 41
 clinical features, 42
 evaluating patients for
 discharge, 42
 management, 42
 sedative-hypnotic
 withdrawal, clinical
 features, 45
 substance use disorders
 (SUDs)
 as driver of
 homelessness, 3
 prevalence in the US, 39
 sympathomimetic
 toxicity, 43
 clinical features, 43
 toxidrome, identifying, 40
 urine testing, 47–49
 suicide rates, of people
 experiencing
 homelessness, 4
 synthetic cannabinoids, legal
 status in the US, 43
 Syria, use of chemical warfare
 agents, 175
 Taser (Thomas A. Swift
 Electronic Rifle), 161,
 165, 170
 TB, 94, *see* tuberculosis (TB).
 TeamSTEPPS course, for
 limited English
 proficiency
 (LEP), 120
 TEN-4 bruising rule for
 evaluating child
 maltreatment, 140
 terrorism, 181
 CBRNE (chemical,
 biological,
 radiological, nuclear,
 or high-yield
 explosives), 175–177
 counter-terrorism medicine,
 173, *see* counter-
 terrorism
 medicine (CTM).
 “dirty bomb”, 175
 London Bridge attacks
 (2017), 180
see also mass casualty
 incidents.
 tetanus vaccination,
 penetrating trauma
 patients, 33
 THC (delta-9-tetrahydro-
 cannabinol), 43
 thiamine, for patients
 presenting with
 alcohol
 withdrawal, 46
 thoracotomy, traumatic
 cardiac arrest and, 34
 thromboembolism, risk of in
 penetrating extremity
 trauma, 32
 toxidrome
 categories, 40
 identifying, 40
 Traffic Related Airborne
 Pollution (TRAP),
 102, 103
 trafficking, human, *see* human
 trafficking.
 Trafficking Victims Protection
 Act (TVPA)(US,
 2000), 57
 trauma, FAST exam (Focused
 Assessment with
 Sonography in
 Trauma), 29
 trauma-informed care
 approach
 elder mistreatment, 155
 human trafficking, 60–61

198	Index	
traumatic arrest	management and	in the US, 92–94
bleeding and, 34	disposition, 94–95	
chest compressions,	multidrug-resistant TB	vascular injury
importance of, 34	(MDRT), 94	assessment of penetrating
emergency thoracotomy, 34	precautions required, 71	extremity trauma
outcomes of patients	pregnancy and, 94	patients for, 33
presenting to hospital	prevalence	increased risk in penetrating
with, 35	in the US and globally, 92	extremity trauma, 32
tuberculosis (TB)	in urban areas, 92	outpatient follow-up
overview, 91–92	relationship with HIV/AIDS,	requirements, 34
discovery of, 91	87, 92, 95	
epidemiology, 92	reporting requirements, 93	Wernicke’s encephalopathy, 46
health benefits of	research, ongoing, 92	
elimination, 93	RIPE therapy (rifampin,	Yersinia, 79
infectivity, 93–94	isoniazid,	
latent TB, 92,	pyrazinamide, and	Zika virus, 75–76
93, 94	ethambutol), 94	Zillow Home Value Index
likely presentation, 93	screening for, 93	(ZHVI), 3