# Index

abdominal pain 220-2 analgesic relief 221 appendicitis 221-2 case study 220 abnormal posturing 124 Aboriginal people, health/welfare over-representation 61-3 abrasions 217 Acute Lymphoblastic Leukaemia (ALL) 16-17 acute otitis media (AOM) 199-200 case study 199 earaches 200 signs 199-200 acute respiratory illness 202-6 case study 202 characterised by airway obstruction 203 adolescence 3, 13, 212 Gillick test, Gillick competence 38-9 identity versus identity confusion 65-9 peers, sense of difference from 66 see also Australia's children and young people; young people adolescents behavioural and mental problems, prevalence of 22-3 with chronic conditions 246-51 communication with 153-4 depression and 214 development 213 discussion regarding death/ end-of-life care 153-4 families with 266 fatigue, descriptions of 148 hospitalisation 22-3 life, satisfaction with 268 mental health determinants 177-8 promoting strategies 182 mental illness/illness 162-84 promoting resilience/positive adaptive responses 178 - 82risk-taking behaviours 21, 23 self-harm and 214 specific age-related needs 213

transitioning to adult care 246-51 adrenaline nebulisers 129 adults adult depression 175 adult health burden 20 common chronic medical conditions 230 single young adults 266 advanced life support basic life support-advanced life support distinction 132-3 paediatric 132-3 age 21 Australian age-of-majority legislation 37-9 children's age and development 192 chronological age and pain assessment measures 200 air filtration 286 airways 128-30 A-airway (Primary Assessment Framework) 115-16 airway obstruction 115 children at risk of 129 extent 204 upper or lower 203 airway patency and speech 115 blockage by secretions 128 C-circulation (Primary Assessment Framework) 118-23 clear airways 224 compromised airways risk 115 oropharyngeal airways 129-30 positioning of the head, neural position/'sniffing' 128-9 alcohol alcohol abuse, psychosocial issues 225 alcohol poisoning 224-5 case study 224 risks 224 binge drinking 224 CNS depressant 224 consumption 224 sedative effects 224 algorithms 194 altruism 95 anaesthesia 196–7 analgesia 218 abdominal pain relief 221 patient-controlled analgesia 223

sedative effect 217 use in postoperative care 223 WHO analgesic ladder 143-4 Angelman syndrome 242 answerable research questions 79-80 antenatal period 180 antibiotic therapy 200 antipyretic medications 191 - 2risk 191-2 anxiety 21, 23, 152-3, 174-6 maternal anxiety 57 nursing interventions 58 peer group nonconformance 66 persisting 72 separation anxiety 54, 175 appendicitis 221-2 acute appendicitis, causes 221 appendix perforation 221 diagnosing, laparoscopy 221 symptoms 221-2 sexual history and 222 art therapy 153 aspirin 191 assessment accurate assessment data 53 capillary refill assessment 2.2.0 of dehydration 194-5 family assessment 263-74 frameworks 267-8 fatigue assessment tools/ scales 147-8 of head injuries 215-17 neurological assessment, rapid 215-17 neurovascular assessment, components 220 nursing assessment 56, 212-25, 233-5, 237-9, 240-1, 243-6, 286-90 for ADHD 167-9 for ASD 170-1 evidence-based care and 189-206, 212-25, 229 - 51parent-infant attachment 54-5 Paediatric Assessment Triangle 111–13

295

## 296 INDEX

assessment (cont.) pain assessment/ management 143-7, 200–2, 218, 220, 223 observational and behavioural painassessment tools 201 postoperative assessment 223 Primary Assessment Framework 111 sedation assessment 217 structured assessment (paediatric patients) 111-14 symptoms, assessment and management 142 asthma 14–15, 230, 232–5 asthma management plans 233, 235 case study 234 characterised 232 childhood asthma patterns 232 clinical examination and medical history 233 deaths due to 15 good asthma control, NACA definition 235 hospital rates for 15 indicators 15 management 232 NACA description 232 nursing assessments and interventions 233-5 poor asthma control 235 prevalence 14-15 severity of 233-5 symptoms 233 pattern and severity 234-5 treatment 234 bronchodilators 234 corticosteroids 234 preventer medication 234-5 symptom-control medication 234 treatment protocols 232 unstable ('brittle') asthma 235 asylum seekers case study 64-5 determination process 65 attachment theory 51-2 parent-infant attachment 52-4 case studies 52-3 Attention Deficit Hyperactivity Disorder (ADHD) 22, 166-9

case study 166-7 comorbidities 167 non-stimulant drugs/longacting medications 168 nursing assessment 167-9 nursing interventions 167-9 sub-types 167 Australia 36-7 age-of-majority legislation 37 - 9Australian children 49-72 mental health disorders affecting 165-6 Australian communities 49-72 Australian families 8-10, 49-72, 267-8 child mortality 141 child rights in 29-44 'lucky country' case study 4 political orientation 4 population 4 regional areas hospitalisation rates 17 tooth decay levels 21 rural/remote areas cancer survival rates 17 *case study* – Aboriginal families in 62-3 coordinated care in 237 head injuries incurred in 217 hospitalisation 214 tooth decay levels 21 Australian Aboriginal people 4 families 267-8 family functioning 267-8 health determinants 61-3 inter-professional connections 63 psychological and family issues 62-3 population age distribution comparison 8 Western Australian Aboriginal Child Health Survey 267 Australian Bureau of Statistics (ABS) 3,5 chronic condition, definition 229 Australian Cystic Fibrosis Data Registry (ACFDR) 243-4 Australian Institute of Health and Welfare (AIHW) 5, 162-3, 177-8

Australian Research Alliance for Children & Youth (ARACY) 177-8 research 179-82 Nest action agenda 179-82 Australia's children and young people 3-24, 229-51 health of 10-18 dental health 20-1 indicator measurement 4-6 health and wellbeing 5-6 key national health indicators 7 rate-based calculations 5 infants 11-12 mental health of 22-4 determinants 21, 23 mortality 10, 11 mothers and babies 6-7 Autism Spectrum Disorder (ASD) 169-71 case study 170 characterisation 169-70 diagnosis 170 nursing assessment and interventions 170-1 transition to high school 170 autonomy principle 37-9, 86, 88-9,95 versus shame and doubt 55-6 AVPU (alert, verbal, responsive to pain, unconscious) 125 Baby Boomer generation 8 bacteria 190 basic life support basic life support-advanced life support distinction 132 - 3paediatric 132-3 behaviour behavioural disorders Attention Deficit Hyperactivity Disorder (ADHD) 22 causes of 22 hospitalisation rates 22 Obsessive Compulsive Disorder (OCD) 22 prevalence 22-3 behavioural responses, to acute/chronic illness 49 behaviour-modification programs 173 Child Behaviour Checklist 165

INDEX 297

COMFORT behaviour scale 201 repetitive behaviour 169-70 beneficence 87-8,95 benefit versus harm case study 79 in paediatric research 91-4 risk of 91-4 best interest 36, 38, 39, 92 beta cells 236 bipolar disorder (BD), 22, 164 blood glucose 237 stabilisation 241 blood pressure 119-20 blood pressure cuff size 120-1 body language 154 body mass index (BMI) 19 body surface area (BSA) 192 BSA-mass ratio 198 bolus 131-2 bolus feeding 288 bradycardia 119 brain chemoreceptor trigger zone (CTZ) 151 hippocampus, alcohol damage, susceptibility to 224 medulla oblongata 151 breastfeeding 10 breathing 128-30 Bristol Stool Form Scale 151 bronchiolitis 204-5 bronchodilators 234

cachexia 151 cancer 16-18, 230 Acute Lymphoblastic Leukaemia (ALL) 16-17 childhood cancer 17 new cases 17 survival 17 five-year survival rates 17 treatment, services and early detection 17 cannulation (intravenous) 196-8 preparing child and family for 197 reducing pain, topical anaesthetics to 197 topical anaesthetics 196-7 capillary refill 121-2 capillary refill assessment 220 sites 122 factors affecting 121-2

cardiopulmonary arrest 111 cardiopulmonary resuscitation (paediatric) paediatric self-inflating bag 133 parental presence during 133-5 cardiovascular compromise 110 care adult care 246-51 advanced care planning 153-4 models 153 continuity of care 237 coordinated care in 237 end-of-life care 141-56 evidence-based care, 279-93 family-centred care 36, 261 - 3individual holistic care 142 individual responsibility for 248 nursing care 203 paediatric care 141-56, 261-3 palliative care 141–56 physical care 279 planning and delivery, stakeholder engagement in 34 postoperative care 223 preoperative care 222-3 primary health care services, access strategies 237 transition to adult care 246-51 unprofessional care 273 caregivers children's health decisions/ behaviours 59 infant attachment to 51-2 information provision 124-5 knowledge of children's mood and behaviour 58 primary caregivers caregiver expertise 284 mothers as 284-5 catecholamines 118 central nervous system (CNS) 224 central venous access device (CVAD) 289 cerebral palsy (CP) 281-2 prevalence and survival rates 282 risk factors 282 champions 99 chest recession/retraction 116

child abuse and neglect 39-40, 179 - 80injury presentations 42 notification 39-40 substantiation 40 recognition of 40 reporting compromised legislative compliance 41-2 health professionals' role in 40 mandatory reporting 40 risk of 59 child maltreatment 41-4 child protection 32, 272-3 child-protection registrar 42 legislation 39-40 multidisciplinary response to 43 child rights in Australia 29-44 legislation 30-5 practice implications 35-44 priorities 39-40 childhood 3 assumptions regarding 29-30 childhood asthma patterns 232 childhood cancer, Australian rates 17 childhood growth 230-1 childhood obesity 20 emotional maturation 230-1 mental illness/illness 162–84 middle/late childhood 60-5 morbidity and mortality patterns in 21, 23 social development 230-1 children acute otitis media (AOM) 199-200 acute respiratory illness 202-6 acutely ill child 189-206 age 192 anxiety 57 with breathing difficulties 149-50 case study 152 with CF 244-5 hospitalisation with system complications 246 management plan 245-6 respiratory infections 245 treatment and preventative therapies 245-6

298 INDEX

children (cont.) Child Behaviour Checklist 165 child behaviour management 168 child depression 175 children's choices, acknowledging 36 children's health care, parental involvement in 262 model 260-1 child's best interest 36, 38, 92 child-specific treaties 33 with chronic illness 50, 229-51 common chronic medical conditions 230 and their families 230 communication with 153-4 and their communities 49-72 with complex medical needs 283-5 admission to hospital 284 burden of care 284 communication 289-90 evidence-based care 279-90 nutrition and hydration 288-9 consent circumstances 90 death rate 12 dehydration 193-5 dental health 20-1 development 192 developmental achievements 58 developmental regression 58 dynamic process 164-5 psychological development 50-1 emerging health priorities 18 - 23families burden of care of children 284 family nature, impact of 260 'launching' children by 266 siblings 135, 155-6 with young children 266 fatigue, descriptions of 148 fever in children 190–3 gastroenteritis 195-6 health and wellbeing 260 health disruptions 50–1 holders of rights view 30 hospitalisation 246 developmental limiting 50

Indigenous children 12, 17, 199 intervention, ongoing need for 283-4 intravenous site/infusion 198 intravenous therapy 196-8 mental health case study 176 case study resolution 184 determinants 177-8 promoting 176-84 promoting strategies 182 services 164 mobility 198 mood and behaviour 58 mother-child relationship 273 needs 260 pain assessment 200-2 parent-child conflict 32-3 participation in research assent 91 risk associated with 93 peers, sense of difference from 50 play and art therapy 153 promoting resilience/positive adaptive responses 178 - 82research, participation in 38 researching with 84 the sick child normal fluid/electrolyte balance restoration 196-8 recognising and responding to 109-35 successful engagement (research) 100 with T1D 237 T2D management 240-1 wellbeing 231 worries and fears 153 see also Australia's children and young people child-specific treaties 33 'chin lifts' 129 chromosomal birth defects 241 chromosomal disorders 241-6 chronic conditions 241-6 chronic illness/conditions 13-14, 229-51,268 ABS definition 229 asthma 232-5 chronic lung disease 286 chronically ill children and their families 230

common conditions 230 congenital, chromosomal and genetic disorders 241-6 diagnosis and treatment 55-6 management 231 predictors of adjustment to 59-60 risk of abuse and 59 transition to adult care 246-51 variations in/between conditions 230 circulation 194-5 circulatory compromise case study 123 circulatory support 130-2 circulatory system 11 Clinical Dehydration Scale (CDS) 194 clinical examination 233 clinical practice see practice coercion 89 cognition cognitive function 237 cognitive impairment, treatment preferences 32-3 skills 53 colour (skin) 194-5, 220 COMFORT behaviour scale 201 communication 53, 289-90 with children and adolescents 153-4 communication facilitation 142 and the family in paediatric end-of-life care 154-6 interpersonal communication principles 288, 289 poor/inadequate communication 128 reducing anxiety 152 social communication deficits, ADHD and 169-70 communities 10, 49-72 community-based early intervention 175 comorbidities 12, 167, 175, 240 compensatory mechanisms 118 complaints 273 complex medical needs 279-90 case study 280-1 conditions associated with 280-3 diseases resulting in 281-3 families and children with 283-5

INDEX 299

computerised tomography scan (CT) 215-17 conceptual thinking 60-1 Conduct Disorder (CD) case study 171-2 Oppositional Defiant Disorder (ODD) and 171-3 confidentiality 88 conflict 32-3 autonomy versus shame and doubt 55-6 conflicting values 85 identity versus identity confusion 65-9 initiative versus guilt 56-60 intimacy versus isolation 69-72 trust versus mistrust 51-5 congenital disorders 241-6 consciousness AVPU assessment 215 level of 124, 129 monitoring 224 consent ethical review bodies and 90 - 1Gillick test 38 Gillick competence 38-9 implied consent, opting in/ out 85 informed consent 223 to medical treatment 38 court-given consent 38 minor's consent capacity 90 in paediatric research 89-91 voluntary consent 86 from young people/ children 90 continuous positive airway pressure (CPAP) 286 Convention on the Rights of the Child 31-2 Article 19 31-2 children's rights categories 31-2 ratification 31 coping coping strategies 269-71 for anxiety 152 case study 271 positive and negative 270 - 1gender influence 269 types 269 corticosteroids 203, 204, 234

croup 203-4 extent of airway obstruction 204 medications for 204 cues 52-3 culture cultural considerations 64-5 cultural identities and attitudes 273-4 cultural safety 273-4 family's cultural perspective 274 fostering a positive sense of culture and identity 181-4 cystic fibrosis (CF) 242-6, 283 Australian Cystic Fibrosis Data Registry (ACFDR) 243, 246 case study 248 CFTR protein  $\Delta$ F508 242 clinic/hospital setting 244-5 cystic fibrosis transmembrane regulator (CFTR) protein gene 242 epithelial cells, channelling across 242 establishing treatment 244 improved survival, contributing factors 243 incidence 242 management 244, 245-6 mean age of death from 243 medical complications 245 newborn screening programs 243-4 nursing assessments and interventions 243-6 treatment and preventative therapies 245-6 organ transplantation endstage treatment 246 death asthma, attributable to 15, 232 causes of 214 child mortality 12, 141 conversations about

conversations about dying 153–4 discussion regarding 153–4 Sudden Infant Death Syndrome (SIDS) 11, 12 decision-making responsibility 250 health-care decisions 36

medical decisions, autonomy and 37-9 Declaration of Helsinki 86 Declaration of the Rights of the Child 30-1 general principles 30-1 dehydration 123, 193-5 assessment 194-5 scales/algorithms 194 demographics 8-10 dental health 20-1 dental/gum problems, pain from 21 disparities across age and population groups 21 fluoridated water 21 indicators 20 oral examinations 20 depression 21, 23, 174-6 adolescence issue 214 child and adult depression 175 paternal and maternal depression 174 persisting 72 deterioration (clinical) 111, 114-25 diabetes 15-16, 230 comorbidities 240 hospital rates for 15 International Diabetes Federation (IDF) 16 Living with Diabetes blog 238 National Evidence-based Guidelines for Type 1 Diabetes in Children, Adolescents and Adults 238 Type 1 diabetes 15, 236-9 Type 2 diabetes 15-16, 239-41 incidence and indicator 16 Diagnostic and Statistical Manual of Mental Disorders (DSM) 164, 169 diet 195-6 disability 14, 230 D-disability (Primary Assessment Framework) 124-5 developmental disability 283 physical disability cerebral palsy 281-2 muscular dystrophies 282 risk of abuse and 59 disclosure 272

## **300** INDEX

discomfort 92 diseases 286 burden of disease 230 mental health disorders 21, 23 chronic disease 268 complex medical needs, resulting in 281-3 rare disease 281-3 disorders behavioural disorders 22 ADHD 22 OCD 22 chromosomal disorders 241-6 congenital disorders 241-6 externalising disorders 60 conduct disorders 171-3 genetic disorders 241-6 internalising disorders, anxiety and depression 174-6 mental health disorders 21, 23 bipolar disorder 22, 164 schizophrenia 22 neuromuscular genetic disorders 282 psychological disorders, T1D concurrence 237 separation anxiety disorder 54, 175 domestic violence 272-3 Down syndrome 241-2 Duchenne muscular dystrophy 282 dyspnoea 149-50 cognitive and affective relationship with 149-50 dyspnoea-physiological processes relationship 149-50 management 149 opioid use 150 parental perceptions 150 non-pharmacological and pharmacological relief strategies 150 earaches 200 early adulthood 69-72 developmental regression 71-2

intimacy versus isolation, sick young adult and 69–72 *case study* 70–1 early childhood 3 initiative versus guilt 56–60 ecomaps 263–4

showing family support systems 264 educational performance 237 electrolyte balance 196-8 elimination 288 emergencies case study 224 children aged 0-4 189 emergency procedures 222 EMLA (topical anaesthetic) 196 - 7emotions 249 emotional abuse 42 emotional confidence 22 emotional health 21-3 emotional reactions 152-3 emotional responses to acute/chronic illness 49 siblings of dying child 155 emotion-focused coping 269 end-of-life care Australian paediatric care settings 141-56 decreased nutritional intake 151-2 discussion regarding 153-4 paediatric end-of-life care 142 children, breathing difficulties and 149-50, 152 enteral feeding 289-90 equity 94-6 ethics ethical review bodies and consent 90-1 human research ethics 84-9 committees 88, 93, 96-101 future perspectives 85 principles 94 research ethics 85-7 unethical practice 87 ethnicity 274 ethnography 36-7 Eustachian tubes 199 evidence basing practice on 83 as contextualised knowledge 82-4 evidence implementation 98-9 external and internal evidence 78,82 from research 77-8 possibilities from delivery/ demand side 81-2

evidence-based care acutely ill young person 212-2.5 care of children with complex medical needs 279-90 childhood/adolescent mental illness and illness 162-84 complex medical needs, children with 279-90 end-of-life and palliative care-Australian settings 141 - 56nursing assessments and interventions 189-206, 212-25, 229-51, 259-74 the sick child, recognising and responding to 109-35 evidence-based practice definition 80-4 five As of 82 recommendations 82 research process and 83 externalising disorders 60 face masks 205-6 FACES pain scale 202, 223 FACE-TC 153 fairness 94-6 burden of research and 95 families Aboriginal and Torres Strait Islander families 267-8 access to 36-7 with adolescents 266 assessment of 263-74 family-assessment frameworks 267-8 nursing assessments and interventions 259-74 assumptions regarding 274 Australian Aboriginal families 61-3 Australian families in contemporary society 259-60 demographic characteristics 8-10 children burden of care 284 chronically ill children and their families 230 'launching' and moving on 266 siblings of dying child 155-6 and their communities 49-72

#### INDEX 301

complex medical needs and 283-5 coping strategies 269-71 positive and negative 270-1 cultural, ethnic and spiritual perspectives 274 development 264-6 life-cycle stages 265-6 discussion regarding death/ end-of-life care 153-4 economic and social situations 10 external interactions, ecomaps 263-4 family environment 59-60 family functioning 267-8 economic and social 231 statements 268 Family Partnership Model 260-1 family-centred care 36, 261-3 grandparents 156 information provided to 154-5 in later life 266 marriage, joining through 266 nature of 260 dynamic and diverse 265 nuclear families 267 in paediatric end-of-life care 154-6 communication with 154-6 principle of family unity 33 roles and functions 267-8 changing roles 267 gender roles 267 single young adults leaving home 266 strengths 269 stressors 268-9 structure, genograms 263-4 support for 264 limits on 267 tasks and attachments (lifecycle model) 265-6 with young children 266 young people, individuals within 213-14 family assessment 263-74 considerations and challenges 271-4 case study 272 minimising interruptions 271 elements 263-74

family genogram/ ecomap 263-4 family-assessment frameworks, criticisms 267-8 nursing assessments and interventions 259-74 therapeutic relationship, encouraging disclosure 272 Family-Centred (FACE) Advanced Care Planning 153 Family Law Act 1975 38 Family Partnership Model 260-1 child health nurses - shift in practice 261 helpers, qualities and skills 261 family-centred care 261-3 clinical practice application 262 focus for care 262 implementation 262 fatigue 147-9 assessment tools/scales 147-8 child and adolescent descriptions 148 Fatigue Scale - Child 147-8 other symptoms, association with 147 pain/dyspnoea treatment sideeffects link 147 treatment and management strategies 148-9 exercise 148 nutrition promotion and energy conservation 148 febrile seizures 193 fever 190-3 case study 190 febrile seizures 193 prophylactic treatment 193 infection, response to 190 intervention 191 monitoring and management 190–1 fine motor coordination 60 five Ps 220 fixated interests 169-70 FLACC scale 201 fluid balance 196-8 charts 198 fontanel 124 Footprints 153 fracture 218-20 incomplete fractures 218

management 218-20 infection control 218 pain assessment/ management 218 plaster casts 220 stabilising 218 types of bone fractures 219 gastroenteritis 195-6 acute gastroenteritis, hydration and diet for 195-6 gastrointestinal (GI) disturbances 150–2 Bristol Stool Form Scale 151 nausea and vomiting 151 opioid administration link 150–1 gastronomy 288, 289 gender coping, gender influence on 269 gender-biased research 172 gender roles 267 general anaesthetics 218 genetic disorders 241-6 genetics CF 242-6 chromosomal birth defects 241 genetic conditions 14 low-risk human leukocyte antigen (HLA) genotypes 236 single gene defects 242 neurofibromatosis 242 X-linked recessive gene 282 genograms 263-4 Glasgow Coma Scale (GCS) 125-6, 215 glucagon 239 glucagon-producing cells 236 glucose 195-6 glycaemic control 237, 238, 239 Gorelick Scale 194 government, Australian government, health conditions 13-14 grandparents 156 grief 154 anticipatory grief 285 threefold layers 156 harm harm versus benefit case study 79 risk of 91-4

# CAMBRIDGE

Cambridge University Press 978-1-107-68500-0 - Paediatric Nursing in Australia: Principles for Practice Jennifer Fraser, Donna Waters, Elizabeth Forster and Nicola Brown Index More information

302 INDEX

head injuries 214-16 assessment 215-17 case study 214 injury/risk category 215 discharge preparation 217 injury history 217 internal/external categorisation 215 monitoring 215 risk groups 216 rural area, incurred in 217 severity of 215-17 history, accord with 217 initial response 215 risk factors estimation 215 headbox oxygen 205 health adult health burden 20 of Australian children and young people 5-6, 10-18 family nature impact 260 emerging health priorities 18-23 dental health 20-1 overweight and obesity 18-20 social and emotional health 21-3 guidelines for ethical conduct of health/biomedical research 86 health determinants 61-3 social determinants 61-3 health indicators 4-6 variations 10 mental health 66 Ottawa Declaration on the Rights of the Child to Health Care 91 health-care professionals adolescent development, knowledge of 213 child abuse and neglect, reporting 40 information provision to families 154-5 transition-new healthcare team/new relationships 248 heart conditions 11 heart rate bradycardia 119 parameters 119 rhythm and 118-19 stroke volume 118, 119, 121 heat moisture exchanger 286

history head injuries and 216 injury history 217 correlation 218 medical history - asthma 233, 234 sexual history 222 hormones 118 hospitalisation of adolescents 22-3 airway obstruction and 203 hospitalisation with system complications (CF) 246 Indigenous people, rates of 17 key issues 213-14 leading causes congenital anomalies 241-6 injury 214 poor social development and 60 quality of attachment, risk to 52 reactions to 54 exacerbating factors 54 reasons for children requiring 189-206 in remote areas 214 for rotavirus 195 hospitals admissions of children 284-5, 287 to ICU 280 related to alcohol abuse 225 of young people 213-14 adolescent unit 213 clinic/hospital setting for CF 244-5 discharge from 220 preparation for 217 emergency departments, children aged 0-4, presenting 189 hospital experiences 69 hospital separation rates 14 in-patient setting ambulatory care section 237 critical ethnography studies 36-7 regional hospitals 217 Hudson masks 130 human research ethics and 84-9 future perspectives 85

human research ethics committees (HRECs) 88, 93, 96-101 review of research 96-7 humidification 206, 286 hydration 225, 288-9 for acute gastroenteritis 195-6 artificial hydration 151 feeding orally 289 monitoring 289 normal fluid/electrolyte balance restoration 196-8 status 122 hygiene 288 hyperactivity 166 hypertonia 124 hypoglycaemia 124 insulin treatment 237 self-management 239 hypospadias 11, 241 hypothyroidism 283 hypotonia 124 hypovolaemia 120, 123, 131-2 identity cultural identities and attitudes 273-4 fostering a positive sense of culture and identity 181 - 4identity versus identity confusion 65-9 sense of identity, achieving 66 illness acute respiratory illness 202-6 childhood/adolescence mental illness and illness 162-84 chronic illness 229-51 quality of attachment, risk to 52 severe acute illness 279 severity and chronicity 59-60 terminal illness, emotional reactions 152-3 immobility 282 immunisation national immunisation schedules 12 rates 10 Implementation of International Rights of the Child 33-5 child-specific treaties 33

INDEX 303

evidence as 82-4

research 79-80

generating through

indicators asthma indicators 15 health and wellbeing indicators 4-6 key national health indicators 7 cancer 17 Type 2 diabetes indicators 16 variations 10 measurement 4-6 Type 2 diabetes indicators 16 Indigenous people Indigenous children death rates 12 five-year survival rates 17 hospitalisation rates 17 otitis media incidences 199 industry versus inferiority 60-5 infancy 3, 11-12 growth and psychosocial development 53, 55-6 infants hospitalised infants 53 infant mortality 10, 11 infant mortality rates 12 respiratory distress case study 114 parent-infant attachment 52-4 the sick infant 51-5 the sick toddler 55-6 infarction 221 infection fever, response to infection 190 infection control 218 inflammation 199 informed consent 223 initiative versus guilt 56-60 case study 57 injuries 214-20 acceleration-deceleration injuries 42 head injuries 214-16 injury presentations-child abuse and neglect 42 injury-history correlation 218 musculoskeletal injuries 218-20 trauma from 214 in-patients 279 institutionalisation 173 insulin 236 insulin production failure and insulin resistance 240 insulin treatment 237 subcutaneous injections 238

intensive care unit 280 internalising conditions 60 International Covenant on Economic, Social and Cultural Rights, Article 12(1) 31 interventions for CF 243-6 children, ongoing need for 283-4 community-based early intervention 175 evidence-based care 189-206, 212-25, 229-51 acutely ill young person 212-25 for fever 191 medical interventions 282 nursing interventions 56, 286-90 for ADHD 167-9 for ASD 170-1 for asthma 233-5 to meet hygiene and elimination needs 288 parent-infant attachment 54-5 physical therapy 287-8 for T1D 237-9 for T2D 240-1 targeting maternal anxiety 58 timing of 53 parenting interventions for ADHD 168 intimacy versus isolation 69-72 intraosseous needles 131-2 intravenous access 131 intravenous therapy 196-8 intravenous cannulation 196-8 intravenous fluids – types and volumes 198 site location of 198 monitoring site/ infusion 198 ischaemia 221 'jaw thrusts' 129 justice 87-8 in paediatric research 94-6 Klinefelter syndrome 242 knowledge

contextualised knowledge 82-3

Knowledge to Action (KTA) framework 98-9 lacerations 217 laparoscopy 221 laryngotracheo-bronchitis see croup legislation Australian age-of-majority legislation 37-9 medical treatment consent to 38 child-protection legislation, priorities 39-40 child rights legislation Australian 33-5 international 30-3 state/territory legislationminor's consent capacity 90 life life-limiting conditions 285 lifespan 177 quality of life 151 satisfaction with (adolescents) 268 life-cycles family life-cycle stages model 265-6 criticisms 265 tasks and attachments 265-6 liminality state 71-2 long-acting methylphenidate/ amphetamine medications 168 mandatory reporting 40-4

case study 43-4 resolution 43-4 manual handling principles 288 marriage 266 maternal depression 174 mean number of decayed, missing or filled teeth (DMFT) 20, 21 meaning-focused coping 269 medical interventions 282 medical treatment 38 medications administration 279 anti-pyretic medications 191–2 for croup 204

# 304 INDEX

medications (cont.) medical identification bracelet 192 oral medications, administering 192-3 right medication, right dose, right route, right time, right person 192 usual medications doses 144-5 mental health 21, 22-4, 66 antenatal period, developing during 180 defining 163, 177 determinants 177-8 promoting in children and young people 176-84 mental health disorders 21, 23, 163 - 5adverse outcomes, children 175 affecting Australian children 165-6 causes of 22 children scoring 'of concern' 166 defining 163 Diagnostic and Statistical Manual of Mental Disorders 164, 169 hospitalisation rates 22 paternal and maternal depression, influence of 174 prevalence 22-3 mental health problems 163-5 risk and protective factors 173 - 4mental illness childhood/adolescence mental illness and illness 162-84 prevalence 22 metabolic conditions 283 phenylketonuria 283 methodological approaches 79-80 middle/late childhood 60-5 migration 8 Mind Matters program 180 Minimum Standard for Nurses Caring for Children and Young People 34-5 extract 34-5 minors 90 Mission Australia Youth Survey 178

mistrust versus trust 51-5 mobility 287-8 monitoring for adverse effects (surgery) 223 consciousness level 224 fever 190-1 of head injuries 215 of height and weight 237 intravenous site/infusion 198 of nutrition and hydration 289 of research 96-101 morbidity 16-18 patterns in teenage years 21, 23 mortality child mortality 141 infant mortality 10, 11, 16-18 rates variance 12 patterns in teenage years 21, 23 rates 11 children 12 Indigenous children 12 mothers maternal anxiety and child's anxiety 57 mothers and babies 6-7 nurses, empowerment by 273 as primary caregivers 284-5 relationships mother-child relationship 273 nurse-mother relationship 273 power differentials, reducing 273 motor impairment 281-2 contractures, prevention or delay of 287 function and independence, maintaining 287 muscle/limb tone 124 muscular dystrophies 282 detection and diagnosis 282 Duchenne muscular dystrophy 282 musculoskeletal injuries 218-20 fracture 218 music therapy 152 myoclonus 144

nasal prongs 130, 206 nasogastric tubes 289–90 National Aboriginal and Torres Strait Islander Health Plan 2013-2023 61-3 National Asthma Council of Australia (NACA) 232, 235 National Statement on Ethical Conduct in Human Research 85, 87, 89, 91, 96 - 7contribution to research 97-8 'over-researching' of specific paediatric groups 98 participating for success 100-1 partnering in evidence implementation 98-9 in research 99-100 representative laypersons 97-9 ward-based 'patient committees' 97-8 nausea 151 needs of children 260 complex medical needs 279-90 hygiene and elimination needs 288 needs focus of transition (to adult care) 247 specific age-related needs 213 of young people with chronic illness 251 neglect 39-40 child maltreatment form 42 neonates 6 Nest action agenda 179-82 being loved and safe 179-82 fostering a positive sense of culture and identity 181 - 4promoting positive participation 181 neural tube defects 241 neurocognitive deficits 224 neurological assessment 124-5 frequency of 215-17 level of consciousness, using AVPU 215-17 paediatric neurological assessment tools 125-7 neurological compromise case study 127 neurological congenital anomalies 14

INDEX 305

neuromuscular conditions 286 neuromuscular genetic disorders 282 neurovascular impairment 220 neurovascular observations 218-20 nocturnal hyperventilation 286 non-discrimination rights 31 non-maleficence 92 non-pharmacological pain relief 146-7 cognitive and behavioural techniques 146 massage 146 non-pharmacological strategies 150 non-steroidal anti-inflammatory drugs (NSAIDs) 143-4 non-stimulant drugs 168 non-verbal behaviours 273 norovirus 195-6 NSW Ministry of Health Clinical Practice Guideline for Acute Management of Asthma 232 nuclear families 267 numerical rating scores (NRS) 202, 223 Nuremberg Code (1947) 86 nurses adolescent development, knowledge of 213 assumptions regarding families 274 child health nurses - shift in practice 261 cultural identities and attitudes 273-4 feelings and prejudices 272 general paediatric nurses, mental disorders, understanding of 164 mothers empowering 273 encouraging to make complaints 273 nurse-mother relationship 273 power differentials, reducing 273 negotiating parent-child conflict (treatment preferences) 32-3 nurse-child relationship 173

role-modelling 273 state and territory mandated reporting (child maltreatment) 41-4 case study 43-4 support for siblings of dying child 155-6 thoughts and feelings, engaging with parents regarding 154 unprofessional care, speaking out against 273 nursing assessment 259-74, 286 - 90for CF 243-6 evidence-based care 189-206, 229 - 51acutely ill young people 212-25 nursing assistance 288 nutrition 288-9 artificial nutrition 151 decreased nutritional intake 151-2 dental/gum problems, pain impact 21 feeding orally 289 monitoring 289 'obesity epidemic' 19, 20

obesity 18-20, 240 body mass index (BMI) 19 childhood obesity prevalence 20 'obesity epidemic' 19, 20 socioeconomic areas 19-20 observation close observation 53, 215-17 neurovascular observations 218-20 Obsessive Compulsive Disorder (OCD) 22 operations preoperative care 222-3 preparations for 222-3 preoperative sedation 223 procedures elective procedures 222 emergency procedures 222 opioids 217 dyspnoea management 150 opioid administration-GI link 150-1 sedative effects 148 side effects 144-5

myoclonus 144 strategies to address 145 weak opioids 144 Oppositional Defiant Disorder (ODD) 171-3 oral antibiotics 200 oral corticosteroids 203 oral examinations 20 oral medications 192-3 administering 192-3 body surface area 192 liquid preparation 192 oral rehydration therapy (ORT) 195-6 organ transplantation 246 Organization for Economic Cooperation and Development (OECD) 5-6 oropharyngeal airways 129-30 out-patients 279 overweight 18-20 BMI 19 socioeconomic areas 19-20 oxygen saturation 117 pulse oximeters 117 oxygen therapy 205-6 face masks 205-6 headbox oxygen 205 humidification 206 long-term oxygen therapy 286 nasal prongs 206 oxygenation 130 Paediatric Assessment Triangle 111–13 child's appearance 112 child's circulation 113 child's work of breathing 112-13 paediatric care Australian settings for 141-56 paediatric setting, research in 77-102 paediatric end-of-life care central tenets 142 context 142 families in 154-6 paediatric palliative care, distinction 142 paediatric health-care services 279-90 children's choices, acknowledging 36

#### 306 INDEX

paediatric multidisciplinary team 142, 237, 279 paediatric nursing Australian context 1-24, 29-44, 49-72, 77-102 family-centred care 261-3 paediatric palliative care case study 152 paediatric end-of-life care, distinction 142 usual medications doses 144-5 weight loss and cachexia 151 paediatric patients cardiopulmonary arrest 111 clinical signs 111 deterioration 116 causes 111 recognition using Primary Assessment Framework 114-25 paediatric early warning tools 109 respiratory and cardiovascular differences 110 structured assessment 111-14 paediatric research beneficence in 91-4 consent in 89-91 justice in 94-6 pain 220 abdominal pain 220-2 analgesia use 217, 223 from dental/gum problems 21 distraction 197 earaches 200 from inflammation 199 non-pharmacological pain relief 146-7 pain assessment/ management 143-7, 200-2, 218, 220 assessment tools 223 postoperative management 223 recommended procedures for procedural/ postoperative pain assessment 200 pain scales 223 reducing cannulation pain 197 a subjective experience 200-2 WHO analgesic ladder 143-4 palliative care Australian paediatric care settings 141-56

paediatric palliative care 142 team support for siblings of dying child 155-6 pallor 220 pancreas 236 paralysis 220 parents authoritative parenting style 61 burden of care (children) 284 children's conduct problems, behaviour associated with 172 children's health decisions/ behaviours 59 commitments outside home 284 coping styles 269 dyspnoea, parental perceptions of 150 hospital discharge preparation 217 information provision 124-5 involvement in children's health care 262 model 260-1 knowledge of children's mood and behaviour 58 multi-faceted health problems 272 parental expertise 284 parent-child conflict 32-3 parent-infant attachment 52 - 4parenting interventions for ADHD 168 parent's role, assumptions regarding 29-30 resuscitation, parental presence during 133-5 standing parental consent 91 support for death and end-of-life care 154 during investigation 273 thoughts and nurses engagement regarding feelings 154 wellbeing of 180 paresthesia 220 PARIHS model 98-9 participation participation rights 32 positive participation 181 through technology 181

paternal depression 174 patient-controlled analgesia 223 peers 21 sense of difference from 50, 66 case study 67-8 perceptual thinking 60-1 perforation 221 perfusion 120-1 peripheral vasoconstriction 121 pharmacological strategies 150 phenylketonuria (PKU) 283 physical abuse 59 physical care 279 physical inactivity 240 physical therapy 287-8 PICO(T) format 80 play 153 poisoning 224-5 population census 7-8 dental health disparities across 21 Indigenous-non-Indigenous population age distribution comparison 8 infant mortality rates across 12 positive adaptive responses promotion 178-82 Post-Traumatic Stress Disorder (PTSD) 65 postoperative care 223 adverse effects monitoring 223 pain management 223 postoperative assessment 223 power disparity in relationships 30 power differentials 273 practice applying new knowledge to 22-4, 101-2 basing on evidence 83 evidence-based practice 80-4 family-centred care application 262 practice implications - child rights 35-44 translation of hospital experiences to 69 unethical practice 87 Prader-Willi syndrome 242 premature birth 283 prematurity 286 premorbid function 58 preoperative care 222-3 preventer medication 234-5

INDEX 307

Primary Assessment Framework (ABCD assessment) 111-13, 128 A-airway 115-16 B-breathing 116-17 C-circulation 118-23 D-disability 124-5 case study 114 principle of family unity 33 privacy 88 problem-focused coping 269 protection rights 32 psychosocial development (Erikson) 51 developmental stages 51 pulse 220 carotid pulse 121 peripheral pulses and perfusion 120-1 pupil size/reactivity 125 pyrogenic cytokines 190 rate-based statistics 5 recovery position 224 relationships disparity in 30 dyspnoea and 149-50 intimate relationships 69-70 mother-child relationship 273 new health-care team/new relationships 248 nurse-child relationship 173 nurse-mother relationship 273 power differentials in 273 therapeutic relationship 272 transition to new healthcare team/new relationships 248 research Australian Code for the Responsible Conduct of Research 88 burden of research 95 children and young people, researching with 84 definition 79-80 evidence-based practice and 83 gender-biased research 172 generating knowledge through 79-80 guidelines for ethical conduct of health/biomedical research 86

human research 84-9 Involving People in Research 99 merit and integrity 87-8 monitoring and participation 96-101 National Statement on Ethical Conduct in Human Research 85, 87, 89, 96-7 standing parental consent 91 new knowledge to practice, application 101-2 paediatric research 89-91 paediatric setting 77-102 participation in research assent 91 inconvenience associated with 92 research design 80 research ethics 85-7 research evidence 77-8 possibilities from delivery/ demand side 81-2 research governance 88 principles 88 research ethics Belmont Report 86, 87 core principles 87-9 experiments Tuskagee Experiment 86 unethical experiments 85 fundamental principles 85 resilience 177 promoting 178-82 resources 279 respect (for persons) 87-8 respiration 286-7 B-breathing (Primary Assessment Framework) 116-17 breath sounds and air entry 117 chronic respiratory conditions 283 grunting 117 nursing care 203 respiratory compromise 110 respiratory function 282 respiratory infections 203, 287 CF and 245 respiratory rate parameters 117 respiratory support 128-32 respiratory syncytial virus (RSV) 204-5

respite care 285 Reyes syndrome 191 rights Australian legislation 33-5 Ottawa Declaration on the Rights of the Child to Health Care 91 UN Convention rights non-discrimination rights 31 participation rights 32 protection rights 32 survival and development rights 31-2 risk airway obstruction, children at risk of 129 of anti-pyretic medications 191-2 associated with alcohol poisoning 224 to benefits and harm 91-4 of cardiovascular compromise 110 cerebral palsy risk factors 282 of coercion 89 of compromised airways 115 discomfort 92 of disease/mental illness 65 head injuries injury/risk category 215 risk groups 216 levels 96-7 of mental health problems 173-4 of physical abuse - children with disability/chronic illness 59 to quality of attachment 52 for research participants 88 of respiratory compromise 110 risk categories 93 risk-taking behaviours 21, 23 for T2D 240 rotavirus 195-6 scales 194 Bristol Stool Form Scale 151 Clinical Dehydration Scale (CDS) 194 COMFORT behaviour scale 201

FACES pain scale 202, 223 fatigue assessment tools/ scales 147–8 Fatigue Scale–Child 147–8

**308** INDEX

scales (cont.) FLACC scale 201 Glasgow Coma Scale (GCS) 215 Gorelick Scale 194 numerical rating scales 202, 223 pain scales 223 scales/algorithms (dehydration) 194 visual analogue scales 202 (WHO) Scale 194 schizophrenia 22 school attendance 21 sedation 217, 218 preoperative sedation 223 sedative effects of alcohol 224 of analgesics 217 of opioids 148 see also analgesia self-harm 214 self-report tools 202 sensation 220 separation anxiety 54, 175 sepsis 221 'serve and return interactions' 180 services in-patient services 279 mental health services 164 out-patient services 279 paediatric health-care services 279-90 sexual history 222 Shaken baby syndrome 42 siblings 135, 155-6 emotional responses 155 skin colour 194-5, 220 condition of 198 skin mottling 121 social confidence 22 social development 60 social health 21-3 social health determinants 61-3 inequities 62 social interactions 21, 169-70 socioeconomic status 268 sodium solutions 195-6, 198 spirituality 274 Standards for the Care of Children and Adolescents in Health Services 34 stress/stressors 268-9 chronic conditions, diagnosis and treatment 55-6

ongoing stressors 268 regression of developmental gains reaction 56 stress response 53 toxic stress 177 see also coping strategies stridor 203-4 substance abuse 272-3 suctioning 279 Sudden Infant Death Syndrome (SIDS) 11 prevention of 12 support circulatory support 130-2 for families 264, 267 from grandparents 156 psychological and socioeconomic support 279 respiratory support 128-32 for siblings of dying child 155 - 6from nurses/palliative care team 155–6 ventilation support 286-7 surgery elective surgery 222 emergency surgery 222 survival and development rights 31-2 Swedish nose 286 symptom-control medication 234 teams multidisciplinary team management 142, 155-6, 237, 279 team support for siblings of dying child 155-6 technology

dying child 155–6 technology improved technology 85 medical technology 279 parental expertise 284 participation through 181 temperature level 191 mean range 190–1 tetanus boosters 218 therapeutic relationship 272 tooth decay 20 topical anaesthetics 196–7 EMLA 196–7 to reduce cannulation pain 197

Torres Strait Islander peoples families 267-8 health/welfare overrepresentation 61-3 population age distribution comparison 8 toxic stress 177 tracheostomy 286 tracheostomy tubes 130 transitioning to adult care 246-51 case study 248 characterised by changes 248-9 decision-making responsibility 250 important considerations 247-9 individual responsibility for care 248 new health-care team/new relationships 248 planning process 250-1 stage-of-life decisions, coinciding with 249 standardising program content 250 successful transitions 249-51 contributing factors 250 emotional factors 249 good preparation 249-50 transition, needs focus 247 transition commencement 247 Trisomy 21 241-2 trust versus mistrust 51-5 nursing assessment and interventions 54-5 resolution 51-2 Turner syndrome 242 Type 1 diabetes (T1D) 15, 236-9 common acute and chronic complications 239 essential care aspects 238 hypoglycaemia complication 237 insulin treatment 237, 238 management, blood glucose control-insulin treatment balance 237 nursing assessments and interventions 237-9 presentation and symptoms 236-7 prevalence 236 rising incidence 236 T1D-T2D distinction 236

INDEX 309

Type 2 diabetes (T2D) 15–16, 239-41 characteristics 240 complications prevention 241 management strategies 240-1 national incidence 239-40 obesity and physical inactivity and 240 nursing assessments and interventions 240-1 prevalence 239-40 risk factors 240 self-management 240 T1D-T2D distinction 236 treatment aim 241 Universal Declaration of the Rights of the Child (Article 3) 31 urine output 122-3 colour and concentration 122

values 85 vascular access 130–2 venepuncture 196 *see also* cannulation (intravenous); intravenous therapy ventilation support 286–7 violence 272–3 viruses 190, 195–6 respiratory infections caused by 203–4 visual analogue scales (VAS) 202 vomiting 151

weight at birth 10

overweight 18-20 see also obesity weight loss 151 wellbeing of Australian children and young people 5-6, 231 family nature impact 260 defining 163 indicators of 4-6 measurements 177-8 of parents 180 whistleblowing 82 World Health Organization (WHO) palliative care definition 142 WHO analgesic ladder 143-4 adaptation 143-4 criticisms 143 NSAIDs 143-4 weak opioids 144 (WHO) Scale 194 young people 13 acutely ill young people 212-25

best interest 92 with CF 244–5 hospitalisation with system complications 246 management plan 245–6 treatment and preventative therapies 245–6 with chronic illness 50, 229–51 health needs 251 mental health of 66 optimal independent functioning 66 consent circumstances 90 death, causes of 214 dental health 20-1 development environment, translation to practice 69 psychological development 50-1 emerging health priorities 18 - 23families, individuals within 213-14 health disruptions 50-1 hospitalisation 213-14 developmental limiting 50 discharge preparation 217 injuries 214 marginalised and disengaged 181 mental health case study 176 case study resolution 184 promoting 176-84 services 164 participation in research assent 91 risk associated with 93 peers, sense of difference from 50 researching with 84 with T1D 237 with T2D 240-1 transitioning to adult care 246-51 decision-making responsibility 250 see also adolescence; Australia's children and young people