Index

Note: abbreviations used in the index: ECCE = early childhood care and education; FENS = Fetal Neurobehavioral Assessment System; MRM = Mutual Regulation Model; NBAS = Neonatal Behavioral Assessment Scale; NIDCAP = Newborn Individualized Developmental Care and Assessment Program; RP = regression period

abuse of children 264–72
  early childhood policy and practice 334
  infant mental health workforce 278–9
  nurse–visited families 195–6, 197, 198
  traumatized infants 244–51, 254–7
academic learning stages 121–31
actocardiography 31–2, 33
adolescents
  child maltreatment 272
  nurse visits 193–4, 195
  relationship-based nursing 327
adolescents as mothers see adolescent mothers
preterm infants 209, 213, 224
  see also sleep–wake states
amygdala
  affect regulation 147–8
  arousal dynamics 77–8
  temperamental biases 167, 170
angels in the nursery 247
anger 67, 68, 170–1
animal studies
  gene–environment interactions 11–12
  mother–infant interactions 155–60, 161
prematurity 208
regression periods 107–10
anticipatory guidance 220, 326
anxiety
  maternal 67, 68
  temperamental biases 167, 170–1
arousal dynamics 73–9, 141–3
Asians, temperamental biases 170–1
Assessment of Preterm Infant Behavior (APIB) 47, 206, 209–10

Africa 87, 132–8
age-linked regression periods 95–103, 107–17, 178, 219–20
  see also Touchpoints
alertness
  parent–child relationships 56, 57, 209, 224

Copyrighted Material
### Index

<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Association for the Care of Children’s Health (ACCH)</td>
<td>317</td>
</tr>
<tr>
<td>asthma groups</td>
<td>327–8</td>
</tr>
<tr>
<td>attachment</td>
<td></td>
</tr>
<tr>
<td>child-friendly hospitals</td>
<td>311</td>
</tr>
<tr>
<td>developmental therapies</td>
<td>221</td>
</tr>
<tr>
<td>infant mental health</td>
<td>236, 243</td>
</tr>
<tr>
<td>maltreated children</td>
<td>265–6, 268–70, 271</td>
</tr>
<tr>
<td>mothers’ insightfulness</td>
<td>236</td>
</tr>
<tr>
<td>neurobiology of</td>
<td>142–9</td>
</tr>
<tr>
<td>nurse–family partnership</td>
<td>192–3</td>
</tr>
<tr>
<td>relationship-based nursing</td>
<td>324, 325, 326</td>
</tr>
<tr>
<td>separation response</td>
<td>155–7</td>
</tr>
<tr>
<td>auditory responsiveness</td>
<td>56–9</td>
</tr>
<tr>
<td>autistic spectrum disorder</td>
<td>236</td>
</tr>
<tr>
<td>autonomic nervous system</td>
<td>142, 145, 147, 148</td>
</tr>
<tr>
<td>preterm infants</td>
<td>211–13</td>
</tr>
<tr>
<td>temperamental biases</td>
<td>170–1</td>
</tr>
<tr>
<td>avoiding behavior</td>
<td></td>
</tr>
<tr>
<td>preterm infants</td>
<td>210–11</td>
</tr>
<tr>
<td>traumatized children</td>
<td>258–9</td>
</tr>
<tr>
<td>awake states</td>
<td>see sleep–wake states</td>
</tr>
<tr>
<td>baby, the, changing view of</td>
<td>4–6, 9</td>
</tr>
<tr>
<td>Ballenger, Johnye</td>
<td>357–60</td>
</tr>
<tr>
<td>behavioral and developmental research</td>
<td></td>
</tr>
<tr>
<td>arousal dynamics</td>
<td>73–9, 141–3</td>
</tr>
<tr>
<td>child maltreatment</td>
<td>264–72</td>
</tr>
<tr>
<td>developing parent–child relationships</td>
<td>53–62</td>
</tr>
<tr>
<td>development of the NBAS</td>
<td>42–8</td>
</tr>
<tr>
<td>early childhood policy and practice</td>
<td>333–5, 340</td>
</tr>
<tr>
<td>fetal neurobehavioral assessment</td>
<td>29–38</td>
</tr>
<tr>
<td>Gusii infant study</td>
<td>87, 132–8</td>
</tr>
<tr>
<td>hidden regulators</td>
<td>154–61</td>
</tr>
<tr>
<td>interpersonal neurobiology</td>
<td>143–6</td>
</tr>
<tr>
<td>interventions arising from see interventions</td>
<td></td>
</tr>
<tr>
<td>learning stages</td>
<td>121–31</td>
</tr>
<tr>
<td>maternal depression</td>
<td>36, 37, 64–70, 87</td>
</tr>
<tr>
<td>maturation of brain control systems</td>
<td>146–9</td>
</tr>
<tr>
<td>meaning-making processes</td>
<td>83–91</td>
</tr>
<tr>
<td>paradigm changes</td>
<td>3–12, 15–26, 277–8</td>
</tr>
<tr>
<td>regression periods</td>
<td>95–103, 107–17, 178</td>
</tr>
<tr>
<td>temperament</td>
<td>4–6, 115–16, 164–72</td>
</tr>
<tr>
<td>behavioral interventions</td>
<td></td>
</tr>
<tr>
<td>developmental therapies</td>
<td>219–27</td>
</tr>
<tr>
<td>early childhood policy and practice</td>
<td>334</td>
</tr>
<tr>
<td>infant mental health</td>
<td>234–6, 243, 247–8, 255, 280–1, 304–5, 334</td>
</tr>
<tr>
<td>nurse-visited children</td>
<td>197–8, 199–200</td>
</tr>
<tr>
<td>pediatric fellowship training</td>
<td>304–5, 306</td>
</tr>
<tr>
<td>preterm infants</td>
<td>205–6, 207, 209–15, 221–7</td>
</tr>
<tr>
<td>relationship-based nursing</td>
<td>326, 327–8</td>
</tr>
<tr>
<td>traumatized children</td>
<td>243, 247–8, 255, 258–9</td>
</tr>
<tr>
<td>behavioral pediatricians</td>
<td>300–7</td>
</tr>
<tr>
<td>being, changing ways of</td>
<td>353–62</td>
</tr>
<tr>
<td>belief systems</td>
<td>168, 170–1</td>
</tr>
<tr>
<td>Bill &amp; Melinda Gates Foundation</td>
<td>338–9</td>
</tr>
<tr>
<td>birth intervals</td>
<td></td>
</tr>
<tr>
<td>Gusii women</td>
<td>134–5</td>
</tr>
<tr>
<td>nurse-visited women</td>
<td>196, 198, 200</td>
</tr>
<tr>
<td>birth outcomes, nurse-visited</td>
<td></td>
</tr>
<tr>
<td>women</td>
<td>195, 197</td>
</tr>
<tr>
<td>Birth to Five Policy Alliance</td>
<td>339</td>
</tr>
<tr>
<td>birth weight</td>
<td></td>
</tr>
<tr>
<td>nurse-visited infants</td>
<td>195</td>
</tr>
</tbody>
</table>
prenatal depression effects 64, 66–7, 68
birthing practices 154–5
brain development and behavior see neuroscience
Brazelton scale see Neonatal Behavioral Assessment Scale
Brazelton, T. Berry
biography xxxii–xxxiv
child-friendly hospitals 313–19
early care and education 341–3
early childhood policy and practice 332, 339–40
pediatric fellowship training 301–5
relationship-based nursing 322–3
respect 353, 358
tribute to xxxv–xxxvi
breastfeeding 326
Bucharest Early Intervention Project 232
Buddhism 170–1
Buffet Early Childhood Fund 332, 337, 339
Building Healthy Children (BHC) 272
burn-out 17–18
care
early childhood see early childhood care and education; early interventions
parental see parents and parenting systems of see systems of care
Caucasians, temperament 170–1
causal thinking 127–8
cerebral lateralization
interpersonal neurobiology 143–6
temperament 167
child abuse/maltreatment 264–72
early childhood policy and practice 334
infant mental health workforce 278–9
nurse-visited families 195–6, 197, 198
traumatized infants 244–51, 254–7
child custody disputes 248–50
Child Development Fellowship 301–7
child-friendly hospitals 309–19
Child Life Council 317
Child Life Specialists 315–19
child–parent psychotherapy (CPP) 244, 245–51, 268–71
child protection services 237
Child Trauma Research Program 245–50
childbirth see birth headings
Children’s Hospital Boston
child-friendliness 309, 310–19
pediatric fellowship training 300–7
Christianity 170–1
civility 361
clinical interventions see interventions
cognitive psychology revolution 4
collaborative consultation 15, 19–26
communication
enhancing infant–adult 193, 221–3
infant–adult meaning-making processes 83–91
neurobiology of affective 141–9
relationship-based ECCE 345–6
respect 357
stage 3 development 123
community building 20–6
comparative thinking 129
competencies, infant mental health workforce 280–1
complexity, meaning making 90
conception, season of 165
conflict
infant mental health 243–51
parent-infant 109–10, 112–13, 117, 161
Connected Beginnings 281, 285
consciousness, states of see states of consciousness
Index

consolability 56, 58, 59–60, 222
consoling by caregivers 56, 58–60, 222
contexts of caregiving 224–225
infant mental health 233–4, 236–7
see also environmental factors
coping, infant/caregiver 220
cortisol 11, 66–7, 68
cost savings
early childhood policy and practice 334, 337, 348
maltreated children interventions 271–2
NIDCAP 215
nurse home visits 200
courts, traumatized children 248–9, 255–6, 260
Crowell procedure 235
crying
parent–child relationships 57, 58–60
reactivity categorization 167
Working Model of the Child Interview 236
culture(s)
collaborative consultation 19–26
Mutual Recognition Model 87
uses of NBAS 46
depression
child–parent psychotherapy 246–7, 248
fetal neurobehavioral assessment 36, 37
Mutual Recognition Model 87
neonatal neurobehavioral effects 64–70
temperamental biases 171
development (childhood)
interventions and
child-friendly hospitals 310–14, 318–19
developmental therapies 219–27
ECCE 288–96, 335–40, 341–9
Educare 336–40
infant mental health 231–8, 242–51, 254–61, 264–72, 277–86
maltreated children 264–72, 334
nurse-visited children 197–8, 199–200
policy and practice 332–40, 347–9
preterm infants 206–15, 221–7
relationship-based ECCE 341–9
relationship-based nursing 323, 326, 327–8
traumatized children 242–51, 254–61
research see behavioral and developmental research
development (professional) see professional development and training
developmental and behavioral pediatricians 300–7
developmental relationship-based nursing 323–8
dialogue 357
disabled individuals
ECCE 347–8
Gusii infant study 133–4
disadvantaged families
children’s mental health 247, 258
nurse home visits 177–87, 192–201, 325
policy and practice 332–40
disaster-related trauma 257–8, 259, 260
disorganization, developmental 18–19, 24–5
ECCE 291–2, 342
see also regression periods;
Touchpoints
disorganized attachments 266, 268–70, 271
DNA, fetal programming 11
domestic violence 244–51, 255

**dopamine** 67, 68, 165, 166

**drug abuse** 36, 37

**Dyadic Expansion of States of Consciousness Model** 84, 89, 90–1

*see also* **Mutual Regulation Model**

dynamics

early intervention practitioner training 281–5

infant arousal 73–9, 141–3

**early childhood care and education (ECCE)** 288–96, 335–40, 341–9

**Early Head Start** 337, 348

early interventions

developmental therapies 219–27

preterm infants 205–15, 221–7

translational science

child-friendly hospitals 309–19

ECCE 288–96, 335–40, 341–9

infant mental health workforce 279, 281–6

policy and practice 332–40, 347–9

**Early Longitudinal Childhood Study (ELCS-B)** 61

**Early Trauma Treatment Network (ETTN)** 250

**economic costs**

early childhood policy and practice 334, 337, 348

maltreated children interventions 271–2

**NIDCAP** 215

nurse home visits 200–1

**Educare** 335–40

education (children)

early care and education programs 335–40, 341–9

**ECCE providers** 288–96

**ethics** 121–31

infant mental health 237, 255

policy and practice 333, 335–40, 347–9

preterm-born 210

respect 354–5, 356

education (professionals) *see*

professional development and training

Efe child rearing practices 87

emotional communication 141–9

emotional health, traumatized children 242–51, 258–9

emotional learning stages 121–31

emotions, temperamental biases 169–71

empowerment 357

engagement 122–3

England, RP studies 98, 99–101, 102, 113

environmental factors

child-friendly hospitals 309–19

eyearly childhood policy and practice 333

fetal programming 9–11

infant mental health 233–4, 236–7

NBAS scores 46

nurse-visited families 195, 197, 199

postnatal 11–12

preterm infant neurodevelopment 207–8

preterm infant sensory thresholds 224

systems of care 18–20

environmental stimuli, habituation 58, 59

epigenetics 11–12

epinephrine 165, 166

ethics, educating children 121–31

evolution, mother–infant interaction 161
Index

experiences
  early childhood policy and practice 334
  infant mental health 232, 236–7, 244–51, 254–61
  maturation of brain control systems 146–9
  exploratory behavior 210–11

face-to-face communication 143–6
face-to-face/still face (FFSF) paradigm 6, 7, 8, 86–7, 155, 221
families see parents and parenting
Family Administered Neonatal Activities (FANA) 47
family courts 248–9, 255–6
fathers, violence 248–50
feeling tone 169–70
fellowship training, pediatrics 300–7
fertility, Gusii infant study 133, 134–6
fetal arousal dynamics 76, 78
fetal neurobehavioral assessment 29–38
  Fetal Neurobehavioral Assessment System (FENS) 32–8
fetal neurochemistry 165
fetal programming 9–11
fetuses
  impact of domestic violence 247–8
  preterm infants as displaced 206–15
First Five Years Fund 339
foster care 232, 235, 237
four whys of regression
  periods 107–17

gatekeeping, ECCE 291, 294
gaze, mother–infant 142, 144
  see also face-to-face/still face (FFSF) paradigm
genes
  early childhood policy and practice 334

environment and temperamental biases 165–6, 170–1

George Kaiser Family Foundation 338–9
ghosts in the nursery 242–51
group care 327–8

habituation 56, 58, 59

Head Start 337
healing, respect and 357–60

health
  age-linked regression periods 114–15
  interpersonal violence 244–51
  mental see infant mental health; mental health
  nurse-visited mothers 194, 195, 196, 197, 198, 199

health promotion 324–6

healthcare provision
  child-friendly hospitals 309–19
  early childhood policy and practice 333
  infant mental health 237–8, 277–86
  pediatric fellowship training 300–7
  relationship-based nursing 321–9
  respect 357–60

Healthy Connections (HC) 325
Healthy Steps program 160
home visits 177–87, 192–201, 237, 325–6

hope, traumatized infants 246–7

hospital environments 309–19

NICUs see neonatal intensive care units

Hurricane Katrina 257–8, 259, 260
Illness see health

Immune system 114–15
IN-TIME 281–6

Individuality 16

Infant mental health 231–8, 304–5
maltreated children 264–72, 334
traumatized infants 242–51, 254–61

Infant mental health workforce 277–86

Inhibited/uninhibited children 166–72

Innovations, clinical intervention see interventions

Insightfulness, mothers’ 236

Institutional care 232

Institutional cultures 19–26
see also hospital environments

Intensive care units see neonatal intensive care units

Intentionality 123

Interpersonal neurobiology 143–6

Intersubjectivity, MRM 86

Interventions
developmental therapies 219–27
infant mental health 231–8, 242–51, 254–61, 264–72, 277–86, 334
NBAS-based 46–7, 193, 220–1
nurse home visits 177–87, 192–201, 237, 325–6
preterm infants 205–15, 221–7

Translational science
child-friendly hospitals 309–19
early childhood policy and practice 332–40, 347–9
ECCE 288–96, 335–40, 341–9
infant mental health workforce 277–86
pediatric fellowship training 300–7
relationship-based ECCE 341–9
relationship-based nursing 321–9
ways of being 353–62

IQ development
abused children 255
age-linked regression periods 116
preterm infants 210
irritability 56, 60

Juvenile courts 255–6

Kangaroo care 223
Kenya, Gusii infant study 87, 132–8
Keys to Caregiving (Sumner) 53, 54

Language development 123, 125–6
nurse-visited children 197–8, 199–200
preterm infants 207, 210, 214

Lateralized brain function
interpersonal neurobiology 143–6

Temperament 167

Leaping Hurdles (LH) program 116

Learning
by ECCE providers 293, 295
ECCE providers’ role 289, 290–1
pediatric fellowship training 305–6
preterm infants 207
stages of development 122–31
see also habituation

Life course, nurse-visited families 196, 198, 200

Limbic system 144–9

Logical thinking 127–8
Louisiana, Hurricane Katrina 257–8, 259, 260

MacArthur Story Stem Battery (MSSB) 266–7, 268, 270–1

Maleness, infant reactivity 168–9

Maltreatment of children see child abuse/maltreatment

Massage
depressed pregnant women 68–9
infants 223
maternal mood
  child–parent psychotherapy 246–7, 248
  fetal neurobehavioral assessment 36, 37
Mutual Recognition Model 87
neonatal neurobehavioral effects 64–70
maternal physiology, fetal assessment 31–2, 36–7
maternal practices, Gusii infants 87, 132–8
maternal stress, fetal programming 10–11
meaning-making processes 83–91
medical professional development 300–7, 358–60
melatonin 165
mental health (infant) see infant mental health
mental health (maternal)
  domestic violence 246–8
  fetal neurobehavioral assessment 36, 37
  neonatal neurobehavioral effects 64–70
messy interactions 86, 88–9
Miami Court Team Project 256
mood
  regulation 124–5
  season of conception link 165
mood disorders, maternal see maternal mood
Mothers Assessment of the Behavior of the Infant (MABI) 47
mother–infant interactions
  arousal regulation 141–3
  changing research paradigms 4–5, 6–9, 18, 277–8
  hidden regulators in 154–61
  interpersonal neurobiology 143–6
  keys to developing 53–62
  maltreated children 265–6, 268–72, 278–9
  meaning-making processes 83–91
  regression periods 95–103, 107–17, 178
see also maternal headings;
  mother–infant interventions
mother–infant interventions
  child-friendly hospitals 315–16
developmental therapies 219–27
domestic violence 244–51
infant mental health 233, 234–8, 242–51, 277–9
maltreated children 265–6, 268–72, 278–9
nurse home visits 177–87, 192–201, 237, 325–6
pediatric fellowship training 301–3
preterm infants 214–15, 221–7
relationship-based nursing 324–8
traumatized children 242–51, 255–8, 260
motor behavior
  parent–child relationships 56, 60, 224
  preterm infants 210–13, 222, 223, 224
  reactivity categorization 167
Mutual Regulation Model (MRM) 83, 84–7, 90–1
see also arousal dynamics
National Child Traumatic Stress Network (NCTSN) 250
natural childbirth 154
natural disasters 257–8, 259, 260
NCAST (Nursing Child Assessment Satellite Training) 53, 61
neglected children 254–7, 264–72
nurse visits 195–6, 197, 198
Neonatal Behavioral Assessment Scale (NBAS)
  background to 42–4
  changing research paradigms 4–6, 9, 16, 18
  children's learning stages 131
  consolability 60
  contents 44–5
  future for 48
  infant arousal dynamics 76–7
  infant mental health 233, 243
  Kansas version (NBAS-K) 47
  maternal mood effects 64–70
  Mutual Regulation Model 85
  nurse–family partnership 193
  relationship-based nursing 324
  scales inspired by 9, 31, 47–8
  see also Assessment of Preterm Infant Behavior (APIB); Fetal Neurobehavioral Assessment System (FENS); Newborn Individualized Developmental Care and Assessment Program (NIDCAP); NICU Network Neurobehavioral Scale (NNNS)
  scoring 44–5
  shared observation 220–1
  uses 45–7
  neonatal intensive care units
    (NICUs) 206–7, 208, 213–15, 222–7
  see also NICU Network Neurobehavioral Scale (NNNS)

Netherlands, RP studies 97–9
neuroscience
  interventions
    brain–environment interaction 207–8, 334
    early childhood policy and practice 333–5, 336–7, 340
    nurse home visits 177–87, 193, 197–8, 199–200
  policy and practice 333
  preterm infants 206–15
  research
    arousal dynamics 73–9, 141–3
    fetal neurobehavioral assessment 29–38
    infant–adult meaning-making processes 83–91
    interpersonal neurobiology 143–6
    maternal depression effects on neonates 36, 37, 64–70
    maturation of brain control systems 146–9
    mother–infant synchrony 158–9
    paradigm change 9–12
    regression periods 97, 103, 114–15, 116–17
    temperamental biases 165–72

New Orleans, Hurricane Katrina 257–8, 259, 260
New York, Building Healthy Children 272
Newborn Behavioral Observation (NBO) system 47–8, 325–6
Newborn Individualized Developmental Care and Assessment Program (NIDCAP) 76–7, 213–15
NICU Network Neurobehavioral Scale (NNNS) 9, 31, 47
  for developmental support 225
  FENS and 32, 33, 36, 37
  Mutual Regulation Model 85
NICUs see neonatal intensive care units
norepinephrine 165, 166
nurses
  home visits 177–87, 325–6
  nurse–family partnership (NFP) 192–201, 237
  relationship-based practices 321–9
Nursing Child Assessment Satellite Training (NCAST) 53, 61
nursing cycles 158–9
observation 15–16, 29
infant mental health 234–5, 243, 278, 284–5
shared 220–1, 225, 326
orbitofrontal cortex 148–9
organizational cultures 19–26
see also hospital environments

pain, preterm infants 222–3
paradigm changes 3–12, 15–26, 205, 277–8
Parent–Child Interaction (PCI)
Scales 61
parents and parenting
abused/maltreated children 195–6, 197, 198, 244–51, 254–7, 264–72, 278–9
developing infant–adult relationships 53–62
developmental therapies 219–27
ECCE programs 289–90, 341–7
group care 327–8
Gusii infant study 87, 132–8
hidden regulators in infant–adult interactions 154–61
home visits 177–87, 192–201, 237, 325–6
hospitalized children 309, 310, 311, 312, 313, 314, 315–16, 319
infant arousal dynamics 73–9, 141–3
infant mental health 233, 234–8, 242–51, 277–9
infant–adult meaning-making processes 83–91
maternal depression 36, 37, 64–70, 87, 246–7, 248
NBAS-based interventions 46–7, 193, 220–1
paradigm changes 4–5, 6–9, 17–26
parent–provider relationships 20–1
ECCE 290–2, 294, 341–7
in hospitals 312, 313, 315–16
nurse home visits 178, 186, 192–201, 237, 325–6
nursing practices 322–9
pediatric fellowship training 301–3
pediatric fellowship training 304–5, 306
preterm infants 209, 213, 214–15, 222–7
regression periods 95–103, 107–17, 178
relational imperative of development 17–26
relationship-based nursing 322–9
traumatized children 242–51, 255–8, 260
paternal violence 248–9
pattern recognition 123, 124
PEBE (physical and behavioral neonatal examination) 47
pediatrics
child-friendly hospitals 309–19
eye care and education 341–2
fellowship training 300–7
nursing 322–3
respect 357–9
perceptual control theory 97, 103, 116–17
perinatal care
battered women 247–8
home visits 179–87, 192–201, 237, 325–6
infant mental health 236–7
relationship-based nursing 325
Peru, child rearing practices 87
phase shifts see regression periods
philanthropies 332–3, 335–40
philosophical beliefs 168, 170–1
physical abuse see child abuse/maltreatment

play
child-friendly hospitals 313
stages of development 125, 126–7

policy see service delivery and policy
population growth 132–3, 135–8
positive model
child-friendly hospitals 316
pediatric fellowship training 302–3
post-traumatic stress disorder (PTSD) 246, 248, 258–9
practitioners, development and training see professional development and training
pregnant women
domestic violence 247–8
massage 68–9
perinatal care 179–87, 192–201, 236–7, 247–8, 325–6

preterm infants 205–15
arousal dynamics 76–7
assessment scales 47, 206, 209–10
see also NICU Network
Neurobehavioral Scale (NNNS)
changing research paradigms 6
developmental therapies 221–7
prenatal depression effects 64, 66–7, 68
state modulation 55–6
preventive interventions
child maltreatment 265–6
children’s mental health 237–8, 259–61
nurse home visits 177–87, 192–201, 237, 325–6
relationship-based nursing 324–6
problem solving 124–5
professional burn-out 17–18

professional development and training 178
child-friendly hospitals 317
 collaborative consultation 21–5
for early caregivers 54, 61–2
early childhood policy and practice 335
ECCE providers 292–6, 343–7, 348–9
infant mental health workforce 277–86
maltreated children 270
NIDCAP 215
pediatric fellows 300–7
pediatric nurse practitioners 323
relationship-based ECCE 343–7, 348–9
relationship-based nursing 328
respect 358–60
traumatized children 250, 256–7, 259–60
prosodic processing 142, 143, 144
protective care practices 132–8
psychoanalysis 305
psycho-educational parenting intervention (PPI) 268–71
psychotherapy, child–parent (CPP) 244, 245–51, 268–71
Public Health Nurse (PHN) home visits 177–87
public policy see service delivery and policy
public–private partnerships 335–40
quality of care
early childhood policy and practice 334, 339
ECCE providers 289
relationship-based nursing 328
reactivity
fetal 31, 32, 36–8
infants 166–72
Index

readability, infants 56, 60
reality testing 127
reciprocity, infant–caregiver 157–9, 221
reflective practice
  ECCE providers 292–5
  relationship-based nursing 328
reflective thinking 129–30
regression periods (RP) 18–19, 95–103, 107–17, 178, 219–20
see also Touchpoints
regulation
  ECCE and 290–1
  hidden mother–infant processes 154–61
preterm infants 211–13, 222–3, 224
self- and mutual 83, 84–7, 90–1, 141–3
stage 1 development 122
Working Model of the Child Interview 235–6
relating, stage 2 development 122–3
relational models
  aligning systems of care with 15–26
  arousal dynamics 73–9, 141–3
  children’s learning stages 121–31
  experience-dependent brain control systems 146–9
  Gusii infant study 132–8
  hidden regulators 154–61
infant mental health 234–6, 243–51
infant–adult meaning-making 83–91
interpersonal neurobiology 143–6
regression periods 95–103, 107–17
temperamental biases 164–72
see also relationship-based care
relationship-based care
  child-friendly hospitals 315–16
  developing early infant–adult 53–62
developmental therapies 219–27
early childhood policy and practice 335, 340, 347–9
ECCE programs 341–9
ECCE providers 289–92
infant mental health workforce 277–86
NICUs 214, 215, 223–7
nursing practices 321–9
pediatric fellowship training 304–5, 306
respect 353–62
see also relational models
religious beliefs 168, 170–1
reorganization, developmental 18–19, 24–5
see also Touchpoints
reparation, meaning making 86, 88–9
representations, maltreated children 266–8, 270–1
research see behavioral and developmental research
resilience 5–6
respect 353–62
right brain
  interpersonal neurobiology 143–6
  temperamental biases 167
Rochester, Building Healthy Children 272
Romania, children adopted from 232
rostral limbic system 147–8
sadness 170–1
season of conception 165
self
  maltreated children 266–8, 270–1
  role of right brain 149
  stages of development 124–5, 129–30
self-consoling 56, 58, 59–60, 222
self-determination 25–6
self-regulation 84–5, 143, 147–8
ECCE and 290–1
preterm infants 211–13, 222, 224
Working Model of the Child Interview 235–6
Index

self-respect 357
sensory discrimination 78–9
sensory thresholds, preterm infants 206–7, 208, 210–11, 224–5
separation, maternal 155–7, 159–61
see also attachment
serenity 170–1
serotonin 165, 166, 170
service delivery and policy
child-friendly hospitals 309–19
Educare 335–40
infant mental health
workforce 285–6
maltreated children 271–2
nurse home visits 200–1, 325–6
relationship-based ECCE 341–9
relationship-based nursing 321–9
respect 353–62
translational science of 332–40
sex hormones 165
sexually abused children 267
shame 170–1
shared discovery 17
shared observation 220–1, 225, 326
silence 361–2
skin-to-skin (kangaroo) care 223
sleep–wake states 55–8
mother–infant synchrony 158–9
organization 159–60
preterm infants 211–13, 222, 226
related behaviors 56–60
still face (SF) see face-to-face/still face (FFSF) paradigm
stimuli, habituation to 58, 59
storytelling
MacArthur Story Stem Battery 266–7, 268, 270–1
respect 361
strengths-based interventions 233, 260
strengths-based pediatric training 301
stress
early childhood policy and practice 334
preterm infants 206–7, 210–13, 222–3, 224
traumatized children 244–51, 258–9
stress hormones
fetal programming 10–11
postnatal effects 12
prenatal depression effects 66–7, 68
stress reduction therapies 68–9
substance abuse 36, 37
Sudden Infant Death Syndrome (SIDS) 115
Sweden, RP studies 98, 101–2, 113
symbiosis 158–9, 161
symbol formation 125–6
symmetry, respect 360
synactive theory of behavioral organization 211–13, 222
synchrony, mother–infant 157–9
Spain, RP studies 97–9, 102, 113
special needs, children with
ECCE 347–8
framework for educating 121–31
states of consciousness 55
infant–adult meaning-making processes 83–91
modulation 55–6
organization 159–60
preterm infants 211–13, 222, 226
related behaviors 56–60
Society for Developmental and Behavioral Pediatrics 304
systems of care 15–26
child-friendly hospitals 309–19
Educare 335–40
relationship-based ECCE programs 343–7
relationship-based nursing 321–9
see also systems theory
systems theory
infant–caregiver interaction 7–8, 18–19
developmental therapies 220
ECCE providers 290
meaning-making processes 83–91

tabula rasa theory 4–5
tactile-gestural communication 142, 143, 144
teachers and teaching
ECCE 289–92
Educare 336
pediatric fellowship training 301–6
relationship-based nursing 324, 326
temperament 164–72
age-linked regression
periods 115–16
changing research paradigms 4–6
therapeutic relationship 88–90
Tinbergen’s four whys of regression
periods 107–17
Toilet School 327–8
Touchpoints 8, 18–19, 178–9
developmental therapies 220
ECCE 288–96, 341–7
infant mental health workforce 279, 280
nurse home visits 177–87, 325–6
relationship-based nursing 322, 323, 324, 325–8
see also regression periods (RP)
training, professional see professional development and training
transactional theory 7–8

transformative ideas 15–26
translational science
child-friendly hospitals 309–19
early childhood policy and practice 332–40, 347–9
ECCE 288–96, 335–40, 341–9
infant mental health workforce 277–86
pediatric fellowship training 300–7
relationship-based ECCE 341–9
relationship-based nursing 321–9
ways of being 353–62
traumatized infants and families 242–51, 254–61
treatment adherence 324–6
triangular thinking 128

UCSF Child Trauma Research Program 245–50
ultrasound, fetal assessment 31, 32–5, 37

videotaped observations 235
violence
domestic 244–51, 255
Gusii infant study 138
visual–facial communication 143–6
see also face-to-face/still face (FFSF) paradigm
visual responsiveness 56, 57
vulnerable families see disadvantaged families

wake states see sleep–wake states
ways of being 353–62
witch-killings 137–8
Working Model of the Child Interview (WMCI) 235–6

Zero to Three xxvii, 243