## Index

<table>
<thead>
<tr>
<th>Abstracts</th>
<th>Association of Chief Children’s Nurses (ACCN) 75, 188–91</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical appraisal 143, 149, 178–9</td>
<td>Auditability 154</td>
</tr>
<tr>
<td>Learning outcomes 19–20</td>
<td>Authorship 18</td>
</tr>
<tr>
<td>Publishing dissertations 229–30, 231–4</td>
<td>Background sections</td>
</tr>
<tr>
<td>Quantitative research 121–3</td>
<td>Critical appraisal 143, 148, 151, 153, 178, 178–80, 188–9</td>
</tr>
<tr>
<td>Of reviews of effects 68</td>
<td>Learning outcomes 19</td>
</tr>
<tr>
<td>Time management 97, 99</td>
<td>BARRIERS scale 43–4</td>
</tr>
<tr>
<td>Academic extensions 254</td>
<td>Before and after studies 45</td>
</tr>
<tr>
<td>ACCN see Association of Chief Children’s Nurses</td>
<td>Belgian Health Care Knowledge Centre (KCE) 91</td>
</tr>
<tr>
<td>Acknowledgements sections 20, 97, 99</td>
<td>Best evidence 40–51</td>
</tr>
<tr>
<td>Action research 44</td>
<td>Approaches 56</td>
</tr>
<tr>
<td>Active reading 105–6, 141–3</td>
<td>Barriers to use of research evidence 42–4</td>
</tr>
<tr>
<td>Aesthetic knowledge 203, 247–8</td>
<td>Bibliographic databases 59–62</td>
</tr>
<tr>
<td>Allied and Complementary Medicine Database (AMED) 61, 252</td>
<td>Cochrane Library 66–9</td>
</tr>
<tr>
<td>Allocation concealment 171–3</td>
<td>Dissertation architecture 251</td>
</tr>
<tr>
<td>AMED see Allied and Complementary Medicine Database</td>
<td>Encouraging use of research evidence 45–9</td>
</tr>
<tr>
<td>Analysis understanding 142</td>
<td>Evidence base for practice 40–42</td>
</tr>
<tr>
<td>Anonymity 190</td>
<td>Exploring and refining questions 55–8</td>
</tr>
<tr>
<td>Appendices 18, 21, 254</td>
<td>Grey literature 64</td>
</tr>
<tr>
<td>Applicability 197</td>
<td>Identifying search words 58</td>
</tr>
<tr>
<td>Application to practice 131</td>
<td>Implementation strategies 200–202</td>
</tr>
<tr>
<td>Applied Social Sciences Index and Abstracts (ASSIA) 61, 252</td>
<td>Journal literature 65–6</td>
</tr>
<tr>
<td>Assessment guidelines 14–15</td>
<td>Library service support 70–71</td>
</tr>
<tr>
<td>ASSIA see Applied Social Sciences Index and Abstracts</td>
<td>Models and frameworks 46–9</td>
</tr>
</tbody>
</table>

---

best evidence (cont’d)
   RCN information literacy competencies 72–5
   research-based information 40–42
   search strategies 62–5
   searching for research articles 59–62
   sourcing 55–76
   topic selection 56
   web resources 69–70
best practice 198–201
bias 181
bibliographic databases 59–62, 251–3
bibliographies 80
binding dissertations 97, 254
blinding 171–3
block randomisation 169–70
BNI see British Nursing Index
Boolean logic 63
British Journal of Neuroscience Nursing 238
British Journal of Nursing 236, 238–9
British Journal of Occupational Therapy 238
British Medical Journal 147
British Nursing Index (BNI) 59, 61–3, 252
Bullock and Batten’s Planned Change Model 210, 212

clinical effectiveness
   background and history 23–8
   contribution of nursing profession 25–6
   definitions and characteristics 29–32
   dissertation guidelines 38
   improving healthcare 34–8
   PDSA cycle and LEAN thinking 36–7
   sourcing evidence 26–7
   see also evidence-based practice
clinical mindlines 42
clinical trials 68
Cochrane Hierarchy of Evidence 170
Cochrane Library 66–9
Cochrane Reviews 67
coding systems 106
Collaborations for Leadership in Applied Health Research and Care (CLAHRC) 45–6
comprehensive understanding 142
correlations sections
   critical appraisal 145, 150–152, 155, 179, 185, 191
dissertation architecture 253
   learning outcomes 19–21
   publishing dissertations 241
quantiative research 123
conferences 229–35
corrifidences intervals 175–6
confidentiality 75
consent see informed consent
consistency of style 97, 99
CONSORT Statement (2010) 172
contents pages 20, 99
controlled trials 68
Cooksey Report 46
correlational surveys 117–18
CQC see Care Quality Commission
creating interest 233–4
credibility 197
critical analysis
   learning outcomes 15–16, 21
   reading skills 142
   study skills 102–3, 104–5
critical appraisal 7–10
   applying a critiquing tool 145–7
commencing a critique 140
Crombie model 139–40, 147
definitions and characteristics 138–9
dissertation architecture 253
evidence-based practice 26, 33–4
initial read and review of journal paper 141–3
interrogating research papers 137–57
learning outcomes 15–16, 18–19
marking criteria 12
Parahoo model 139–40, 149–51, 177–86
points to consider about a paper 143–5
preparing long/short lists 140–141
qualitative research 148–9, 152–5, 158–65
quantitative research 139, 148, 151–2, 166–76
randomised controlled trials 139, 148, 166–76
Rees model 139–40, 151–5, 187–93
Savage and Callery grids 146–7
selecting appraisal tools 139–40
strengths and limitations 156, 184–5, 187–8
study design 179–82, 189
see also Critical Appraisal Skills Programme
Critical Appraisal Skills Programme (CASP)
allocation of participants 171
best evidence 74
blinding 171–3
critiquing frameworks 147–9
data analysis 163
focused and answerable questions 167–8
follow-up and data collection 173
important outcomes and application of results 176
intention to treat analysis 173
presentation of data 174–5
qualitative research 148–9, 158–65
quantitative research 168–70
randomised controlled trials 139, 148, 166–76
reflection 164–5
research findings 163–4
screening questions 159–60
selecting appraisal tools 139–40
supervision 110, 112
value of the research 164
critical reading 10, 141–3
Crombie model 139–40, 147
Cumulative Index to Nursing and Allied Health Literature (CINAHL) 59, 61–4, 252
curriculum vitae (CV) 230, 241
data analysis
critical appraisal 150, 163, 182–3
learning outcomes 21
qualitative research 130, 132
data collection
critical appraisal 151, 153–4, 162, 173, 181–2, 189–90
evidence-based practice 26
implementation strategies 220
learning outcomes 15, 19
qualitative research 127–31
quantitative research 115–16
data extraction grids 104–6
data presentation
clinical effectiveness 26
critical appraisal 152, 154, 174–5, 183–5, 191
qualitative research 130
databases 59–62, 103–4, 251–3
date restrictions 64
deadlines see submission deadlines
decimal notation system 250
decision making 201–4
decision trails 154
Delphi instruments 189–91
Deming cycle 36–7
demographic data 183
Department of Health (DH)
best evidence 42, 45–6
clinical effectiveness 29
critical appraisal 188
grey literature 78
implementation strategies 214–16
dependent variables 118–19
Index

descriptive surveys 117–18

developing practice see implementation strategies

Dewey, John 243

DH see Department of Health
difference trials 176
discussion with peers 107
discussion sections
critical appraisal 145, 150, 164–5, 184–5
learning outcomes 21
publishing dissertations 240–241
quantitative research 123
dissemination strategies
clinical effectiveness 27, 32
implementation strategies 197, 199–202
learning outcomes 19–21
dissertation architecture 250–255
dissertation features 8–9
dissertation timetables 99
documentary methods 129
double blind trials 172
drafts 10
driver diagrams 221–2
e-journals 66

EBP see evidence-based practice
Economic Evaluation Database 68–9

Edinburgh post-natal depression scale 32
education 43, 45

Eight-Step Model 212–14
electronic learning platforms 10
EMBASE 61, 68, 252
empirical knowledge 203, 247–8
Enhanced Diplomas 1
equivalence limits 175
ethical knowledge 203
ethics 7
best evidence 74–5
blinding 171–2
critical appraisal 144, 152, 154, 162–3, 171–2, 182, 190
implementation strategies 204
qualitative research 130
quantitative research 130
reflection 247–8
ethnography 128–9, 153
evidence-based practice (EBP)
background and history 23–8
best evidence 40–51, 72–5
contribution of nursing profession 25–6
definitions and characteristics 33–4
dissertation architecture 250–255
dissertation guidelines 14–22
qualitative research 132
quantitative research 115
research questions 86–92
rigour of evidence 34–5
sourcing evidence 26–7
experimental research 117
expert opinions 251
extensions 254
eye-ball switch approach 56

feedback
planning a dissertation 10
referencing 80
supervision 110
field diaries 129
field searches 63
file management 106–7
Fisher exact test 183
fittingness 154
focus of studies 143, 151–3, 188
follow-up questions 128, 173
Force Field Analysis 206–7
formative proposals 16
formulating questions 26
Framing the Nursing and Midwifery Contribution (DH, 2008) 216
free text searches 62
Fundamental ways of knowing (Carper) 247

Gantt charts 9, 97, 109–10
generalisability 131–2, 185
generalist articles 238–9
Gibbs reflective cycle 245–6
change management theory 197, 206–7, 209–10, 253–4
critical appraisal 152, 155, 164, 176, 192
dissemination of research 197, 199–202
dissertation architecture 253–4
Eight-Step Model 212–14
evidence-based medicine 34
Force Field Analysis 206–7
Government policy guidance 216–22
impediments to change 205–6
knowledge and experience 203
leadership 197, 202, 214–16, 219, 253–4
learning outcomes 19–21
level of evidence 200–201
Lewin's Force Field Analysis 206–7
organisational culture 199–202, 208–9
Planned Change Model 210, 212
potential barriers to implementation of change 199–202, 205–9
publishing dissertations 241
quality 218–19
review and evaluation of effectiveness of change 212–14
SMART objectives 210, 213, 221
social movement model 222–3
stakeholder resistance 206–8
Three-Step Model 209–11
using and applying evidence in practice 198–205
independent variables 118–19
inductive approaches 129
informal communication 41
information literacy competencies 72–5
information management 75
information retrieval 7
informed consent 162–3
Institute for Health Improvement 38
Institute for Innovation and Improvement 38
Improvement 38
integrating evidence 26–7
intention to treat analysis (ITT) 173
inter-library requests 66

Google/Google Scholar 62, 79, 251
governance 7
graduate attributes 7
grey literature 64, 77–9, 251
grids 104–6, 146–7
grounded theory 153
group inertia 207
guidelines
assessment 14–15
clinical effectiveness 31–2
dissertation contents and presentation 17–18
module assignment 11–12

Harvard system 80, 82–4
HASS see Home Accident Surveillance System
Health Foundation 38
Health Information Resources 60–61, 70
Health Technology Assessment Database 68–9
Healthcare Management Information Consortium (HMIC) 61, 64, 78, 252
HEFC see Higher Education Funding Council
here we go again approach 56
High Impact Actions for Nursing and Midwifery; The Essential Collection (DH, 2010) 216, 219–22
High Quality Care for All (DH, 2008) 216
Higher Education Funding Council (HEFC) 42
highlighter pens 142, 145–6, 166
HMIC see Healthcare Management Information Consortium
Home Accident Surveillance System (HASS) 88
hypotheses 143, 150, 180
hypothesis testing 56

impediments to change 205–6
implementation strategies 197–226
best evidence 40–51
best practice 198–201
Index

International Centre for Allied Health Evidence 139
international conferences 232
International Standard Book Numbers (ISBN) 77
interprofessional relationships 43, 45–6
interviews 128–9, 132
introduction chapters 19–20
ISBN see International Standard Book Numbers
ITT see intention to treat analysis

Joanna Briggs Institute (JBI)
framework 31, 48–9
Johns, Christopher 242–3, 247–8
Johns model of structured reflection 247–8
Journal of Advanced Nursing 236, 238
Journal of Clinical Nursing 236
Journal of Health Care Management 238
journal literature 65–6
journal publishing 229–30, 235–41

KCE see Belgian Health Care Knowledge Centre
keyword searches 62
King’s Fund 71, 78, 253–4
knowing-in-action 243
knowing yourself 103–6
knowledge transfer see dissemination strategies
Knowledge-to-Action (KTA) framework 48–9
Kotter’s Eight-Step Model 212–14
Kruskal Wallis test 183
KTA see Knowledge-to-Action

language restrictions 64
leadership
clinical effectiveness 36
implementation strategies 197, 202, 214–16, 219, 253–4
learning outcomes 15
LEAN thinking 36–7
learning outcomes 11–12, 15–16, 18–22
level of evidence 200–201
Lewin’s Force Field Analysis 206–7
Lewin’s Three-Step Model 209–11
library service support 70–71, 252
limitations of study sections 180
linear figures 58
literacy competencies 72–5
literature reviews
best evidence 60
critical appraisal 149, 179–80
dissertation architecture 251
learning outcomes 15, 20
publishing dissertations 240
research questions 90–92
study skills 103–4
time management 97–8
lived experience 126, 128
local conferences 232
local implementation 197
long short lists 140–141
managing information 75
Mann-Whitney U-test 183
marking criteria 11–12
Mayo Clinic 32
measurement 27, 32
medical early warning system (MEWS) 32
MEDLINE 61–4, 68–9, 252
Methodology Register 68–9
methodology sections
critical appraisal 143–4, 162–3, 191–2
quantitative research 121–2
MEWS see medical early warning system
mind maps 58
minimal important clinical difference 174
misunderstandings 206
modified Yale Preoperative Anxiety Scale (mYPAS) 181–2
module assignment guidelines 11–12
motivation to publish 230–231
movement stage 209–11
mYPAS see modified Yale Preoperative Anxiety Scale
national conferences 232
National Health Service (NHS)
    best evidence 45–6, 60–61, 68–71
    clinical effectiveness 30
    critical appraisal 139, 176, 189–92
    implementation strategies 198–200,
        214, 216–17, 219–22
National Institute for Health and
    Clinical Excellence (NICE) 31, 36, 218
National Institute for Health Research
    (NIHR) 45–6
NHS see National Health Service
NHS Direct 176
NHS Quality Improvement Scotland
    (NHS QIS) 30
NICE see National Institute for Health
    and Clinical Excellence
Nightingale, Florence 25–6
NIHR see National Institute for Health
    Research
NMC see Nursing and Midwifery
    Council
non-blinding 172
Nurse Education Today 238
Nursing and Midwifery Council
    (NMC) 7, 23–4, 36, 73, 217
nursing process model 244
Nursing Roadmap for Quality, The (DH,
    2010) 215–19
Nursing Standard 238
Nursing Times 238–9

objectives 143, 150, 180
observation bias 181
observational studies 129, 132, 180–182
OMRU see Ottawa Model of Research
    Use
organisational culture 15, 199–202,
    208–9
organisational support 43, 45–6
Ottawa Model of Research Use
    (OMRU) 47

Parahoo model 177–86
    conclusions and
    recommendations 179, 185
critiquing framework 149–51, 178–9
data analysis 182–3
discussion sections 184–5
literature reviews/
    background 178–80
research funding 186
research questions 180
results sections 179, 183–4
selecting appraisal tools 139–40
study design 179–82
PARiHS see Promoting Action on Research
    Implementation in Health Services
parochial self-interest 206
patient data 75
PDSA see Plan-Do-Study-Act
peer review 62, 103–4, 140
personal development 6
personal knowledge 203, 247–8
phenomenology 128, 153
phrase searches 63
Picker Institute Europe 30
PICO model 26, 86–90, 140, 250
pilot studies 189
placebos 118
plagiarism 75
Plan-Do-Study-Act (PDSA) cycle 36–7,
    210–211, 221–2
Planned Change Model 210, 212
population, intervention, comparison,
    outcome see PICO model
PowerPoint presentations 234–5
preliminary understanding 142
presentation of data
    clinical effectiveness 26
    critical appraisal 152, 154, 174–5,
        183–5, 191
    qualitative research 130
presentation papers 229–30, 234–5
printed journals 66
prioritisation 106
problem solving 7, 107, 202
professional development 6
project management 7
Promoting Action on Research
    Implementation in Health Services
    (PARiHS) 47–8
proofreading 18
proposals 16
prospective observational studies 180–182
PsycINFO 61, 64, 252
publishing dissertations 229–41
abstracts 229–30, 231–4
adapting a dissertation for publication 239–41
choosing the right conference 231–2
conferences 229–35
formulating a title and creating interest 233–4, 236–8
journal papers 229–30, 235–41
motivation 230–231
planning and preparation 235–6
presentation papers 229–30, 234–5
reviewing journal guidelines 236
selecting what to present 232–3
style of presentation 234–5
submission procedures 234
targeting the right journal 238–9
QAA see Quality Assurance Agency
QOF see Quality Outcomes Framework
qualitative research 126–33
comparison with quantitative research 115–17, 129–31
critical appraisal 148–9, 152–5, 158–65
definitions 127
ethnography 128–9, 153
grounded theory 129, 153
key elements 129–31
limitations 132
lived experience 126, 128
phenomenology 128, 153
strengths 131–2
study design 128–9, 153
quality 218–19
Quality Assurance Agency (QAA) 4, 6
Quality Outcomes Framework (QOF) 36
quantitative research 115–25
comparison with qualitative research 115–17, 129–31
critical appraisal 151–2, 166–76
definitions 116–17
establishing quantitative nature of study 115–17
experimental approaches 117
key elements 120–123, 129–31
limitations 124
quasi-experimental approaches 117
reasons for choosing 117
strengths 120, 124
study design 117–20, 151, 168–70, 174
surveys 117–18
see also randomised controlled trials
quasi-experimental research 117
questionnaires 128
questions see research questions
randomisation techniques 118–19, 169–70, 172–3
randomised controlled trials (RCT)
best evidence 45
critical appraisal 139, 148, 166–76, 181, 185
quantitative research 116, 117, 120
supervision 110
Rapid Critical Appraisal 26
RCN see Royal College of Nursing
RCT see randomised controlled trials
readability 152, 155, 191–2
reading skills 103–6, 141–3
recommendations 150–152, 185, 191
Rees model 187–93
background, focus and aims 188–9
critiquing framework 151–5, 187–8
data collection, sampling and presentation 189–91
implications for practice 192
readability 191–2
results, conclusions and recommendations 191
selecting appraisal tools 139–40
strengths and limitations 187–8
study design 189
Index

referencing 80–85
  computer referencing packages 84
dissertation architecture 254
guidelines 18, 21
Harvard system 80, 82–4
study skills 106
Vancouver system 80–82
reflection 242–9
  critical appraisal 141–3, 164–5
dissertation architecture 254
frameworks and models 244–8
Gibbs reflective cycle 245–6
Johns model of structured reflection 247–8
learning outcomes 15
nursing process model 244
theories and processes 242–4
what reflection is and isn’t 248–9
reflexivity 162, 164, 247–8
refreezing stage 209–11
reliability 119
report writing 7
research-based information 40–42
research contracts 109
research funding 42, 151, 186
research methods 4–6, 26
see also methodology sections
research questions 86–92
  best evidence 55–8
critical appraisal 150, 180
exploring and refining 55–8
focused and answerable questions 89, 167–8
formulating 26
identifying search words 58
PICO model 26, 86–90
SPICE model 86, 90–92
restricted searches 64
results sections
  critical appraisal 144–5, 150, 152, 155, 163–4, 174–5, 179, 183–4, 191
quantitative research 122–3
returning to education 101
returns on investments (ROI) 222
revisions 10, 18, 97–8
Road Map approach 56
ROI see returns on investments
Royal College of Medicine (RCM) 36
Royal College of Nursing (RCN) 4–5, 29–30, 36, 48, 71–5, 218
sampling methods
  critical appraisal 152, 154, 160–162, 174, 182, 190
  qualitative research 129–31
Savage and Callery grids 146–7
Schon, D. 243
SCOPUS database 59
Scottish Intercollegiate Guidelines Network (SIGN) 31, 36, 139
screening questions 159–60
scurvy 25
search engines 103–4
search strategies 62–5
search words 58
self-interest 206
self-knowledge 103–6
self-reflection see reflection
self-report data 132
service users 30
setting, perspective, intervention, comparison, evaluation see SPICE model
settings for studies 182
SF-36 health measure 32
sharing knowledge see dissemination of research
short lists 140–141
SIGN see Scottish Intercollegiate Guidelines Network
significance tests 119
single blind trials 172
skim reading 142
SMART objectives 210, 213, 221
social movement model 222
specialist articles 238–9
speed reading 142
spell-checking 10, 18
SPICE model 86, 90–92, 140
stakeholder resistance 206–8
statistical tools
  critical appraisal 145, 174–6, 183
  qualitative research 130
  quantitative research 119
structured reflection 247–8
study aims 143, 150–151, 153, 178–80, 189
study design
  critical appraisal 150–151, 153, 160–162, 179–82, 189
  implementation strategies 200–201
  qualitative research 128–9, 153
  quantitative research 117–20, 151, 168–70, 174
study questions see research questions
study skills 101–7
  critical analysis 102–3, 104–5
  data extraction grids 104–6
  discussions with peers and problem solving 107
  file management 106–7
  key skills for dissertations 102–3
  knowing yourself 103–6
  organisation 106–7
  prioritisation 106
  reading skills 103–6
  returning to education 101
subject searches 62
subject thesauruses 62–3
submission deadlines 11, 17, 96, 97, 99
submission procedures 234
summative proposals 16
supervision 8, 16–17, 108–12
  additional support 111
  agreeing a working pattern 109
  anticipating and preventing problems 109
  dissertation architecture 254
  distance supervision 110–111
  getting started 108
  resources 112
  study skills 107
  time management 109–10
surveys 117–18
Swiss Cheese approach 56
systematic reviews
  best evidence 67
  critical appraisal 170
  implementation strategies 200–201
  quantitative research 120
Three-Step Model 209–11
time management 9–11, 95–100
dissertation as an opportunity 95–6
dissertation timetables 99
frame of mind 96–8
making space for a dissertation 96
managing other activities 96–7, 98
supervision 109–10
titles
  critical appraisal 149, 178
  learning outcomes 20
  publishing dissertations 233–4
to-do lists 106
tolerance to change 206
topic selection 16, 56
transferability 155
transferable skills 7
transformational leadership 214–15
trigger points 235
TRIP database 31
triple blind trials 172
truncation searches 63
type II errors 184
unfreezing stage 209–11
Vancouver system 80–82
VAS see visual analogue scale
viewpoint 130
vision of the future 213
visual analogue scale (VAS) 181, 183
web resources 69–70, 78–9, 251
Web of Science 252
wildcard searches 63
Yale Preoperative Anxiety Scale (YPAS) 181–2