## Index

### A

- active consumer 41
- adaptability 184
- advanced soldier technologies 194
- affordability 101
- AIDS Researchers 179
- Air Mobility Command (AMC) 198
- Alpha Case Mix 26
- Alpha Hospital 26
- American Optometric Association 159
- Application Programming Interfaces (API) 252
- Area 41 Node 204
- areas of the brain 68
- artificial intelligence 57, 78
- artificial intelligence (AI) algorithms 79
- automation 266

### B

- behavioral intention (BI) 141
- best practice 127
- best practice literature 117
- Beta Hospital 27
- binding score 67
- British Medical Association (BMA) 302
- British Medical Journal (BMJ) 225
- Business Process Reengineering (BPR) 271
- business transformation 6

### C

- Caduceus 63
- Canada’s Health Informatics Association 96
- candour 224
concerns of quality 4
Config 297
content aggregators 242
contingency 267
Continuing Medical Education (CME) 150
control level 4
CORBAMed 252
core patient information systems 100
corrective lenses 164
cost reduction 101, 215

D
Data Analysis Strategy 122
data collection 98, 240
data mining 78, 79
data warehousing 78
database management system (DBMS) 85
decision support systems 78, 100
Defense Information Systems Network (DISN) 195
Delta Hospital 29
Department of Defense (DOD) 192
departmental systems 100
dependencies 22
Digital Imaging and Communications in Medicine (DICM) 251
direct mail campaigns 41
Direct Physician Order Entry (POE) System 265
direct-to-consumer advertising 40
disaster recovery planning 232
disclaimers 216
disease management 48, 50
Distributed Healthcare Environment (DHE) 256
DTCA 40
dyads 42

E
E-mail Utilization 144
effects matrix 122
electromagnetic field exposures 165
electronic chips 68
electronic commerce 88
Electronic Data Interchange for Administration 251
Electronic Healthcare Portals 237
electronic media 41
electronic patient record (EPR) 5, 278
electronic textbooks 50
end user computing 158
end user terminal (EUT) 198
enrollment 307
ergonomic keyboards 165
ergonomics programs 162
escalation 297
established professional services 243
expert 63
expert systems 57, 60, 62
eXtensible Stylesheet Language (XSL) 189
external pressures 15

F
false claims 77
fault tolerance 267
Field Medical Surveillance System (FMSS) 195
File Transfer Protocol (FTP) 186
fixed fields 174
form owner 269
fraud detection 75
fraud detection system 81, 88
free text 174
funding availability 101

G
Gamma Hospital 28
Glaucoma Diseases Group 65
Global Infectious Disease and Epidemiology Network 195
Global Positioning System (GPS) 195
graph analysis 62
graphical environment 175
group of nerve cells 68

H
health information 49
health information system 96, 98
Health Insurance Association of America 76
Health Insurance Portability and Accountability Act 233
Lightweight Data Entry Tool (LDET) 198
liquidity 238
local area network (LAN) 197
logical space 180
logistics management 238

M
magnetic resonance imaging (MRI) 271
management support 102
Marine Expeditionary Force (MEF) 206
marketing communications 41
matching score 67
Matrix 226
Mayo Clinic 49
mediation 187
medical communications 192
medical consultations 210
medical domain 57
medical equipment 61
Medical Equipment Sets (MES) 193
medical informatics 106
medical information 220
medical information publications 221
medical literature 211
medical systems 63
medical treatment facilities (MTFs) 196
medical web sites 49
Medical Workstation (MeWS) 194, 197
medication ordering 262
memory 68
mental capacities 57
Micro-INC Data Controller 201
middleware 252
misinformation 49
Missouri Telemedicine Network (MTN) 140
mobile computing 192
mobile information management 196
Mobile Medical Monitor 201
modeling and simulation (M&S) 196
monitoring equipment 282
mouse related disorders 161
muscle fatigue 160
muscle pain 160
musculoskeletal discomfort 160
musculoskeletal disorders 160
Mycin 62

N
National Health Service (NHS) 113, 114, 274
National Library of Medicine (NLM) 140
natural language 57
Neomycin 63
net communities 180
Net Foundation Code of Conduct (HONcode) 225
network organizations 7
neural networks 60, 68
New England Journal of Medicine 162
NHS Community Trusts 113
NHSnet 294

O
ocular surface area (OSA) 160
Office Ergonomics Research Committee 161
on-line advice 44
on-line discussion groups 44
on-line health assessments 44
on-line Health Information 223
on-line medical information 220
online connectivity 38, 42
online library 50
ontologies 182
order capturing 264
order processing 264
order receiving 264
order sending 264
Order System Maintenance Module 270
Ordering Module 270
organizational structure 181
organizational support 147
OSHA (Occupational Safety and Health Administration) 161

P
Pacific Virtual Health Care System 193
paternalistic relationship 39
pathological diagnosis 61
patient care 37
patient care systems 100
patient compliance 46, 52
Patient Data Management Systems 274
patient education 48
patient history 169
patients’ queries 45
perceived ease of use 141
perceived usefulness 141
Performance Integrated Product Team (P-IPT) 206
Person Identification Service (PIDS) 253, 254
personal information carrier (PIC) 194, 198
pharmaceutical companies 53
pharmaceutical firms 45
pharmaceutical industry 41
physical & transactional logistics 243
physician education 50
physician practice 210
POISE (Procurement of Information Systems Effectiveness) 285
positive user attitudes 116
PowerPause 165
prescription drug advertising 40
Present Illness Program 66
preterm birth 162
prevention of fraud 76
price level 3, 4
Primary Health Care clinic 169
private sector 15
process innovation 4
process management 6
product and market breadth 3, 4
product and process innovation 3
product innovation 4
professional healthcare organizations 1
proprietary databases 100
protocols 181
provider information 81
psychological ownership 130
psychometric testing 143
public policy 51

Q

quality of service 50

R

Radiation Effects on Pregnancy 165
radio frequency (RF) 196
Radiology 57
Recommendations: General 165
Recommendations: Laptops 166
Recommendations: Musculoskeletal 164
Recommendations: Radiation Effects on Pregnancy 165
reduced birth weight 162
referral letters 271
relational databases 79
repetitive motion injuries (RMIs) 161
repetitive strain injury (RSI) 158
repetitive stress injuries (RSIs) 161
Research Instrument Design 119
research questions 141
resource management evaluation 18
resource management initiative 16
revenue generation 214
robotics 60
roles 181
root cause analysis 231
rural health care 140
Rural Telemedicine Evaluation Project (RTEP) 138, 140

S

Sauer’s Framework 22
scalability 184
Scanning and Image Processing System (SIPS) 262
ScreenPlay 165
secondary data 241
semantics 181
Sensitivity Analyses screen 88
single nerve cell 68
SIS Implementation 13
Site Checker 225
speech recognition 60, 67
staff turnover 102
standardization 5
strategic IS 13
strategy 3
streamlining administration 47
surgery 60
survey instrument 143
Swiss HIV Cohort Study (SHCS) 180
syntax 181
systems development projects 113, 115
T

TCAS 200
technology 4, 139
Technology Acceptance Model (TAM) 140, 143
technology requirements 5
Technology-Based Marketing 37
Technology-Enabled On-line Interconnectivity 43
Telemedicine 139, 140, 192
Test and Evaluation Integrated Product Team (T&E-IP) 195
Theater Medical Core Services (TMCS) 194, 197
Theater Telemedicine Prototype Program (T2P2) 198
Theater Telemedicine Team (TTT) 196, 198
time ordered displays 122
training resources 102
transaction securitization 238
transactions 38
transformation 6
triad 42
typing ability 176

U

UK Health Sector 13
user apprehension 102
user information satisfaction 117
user interface 169
user ownership 116, 127
user reactions 117
user satisfaction 117

V

VDT emission levels 165
VDT health hazards 158
VDT legislation 163
VDT screens 159
very high frequency (VHF) 199
video display terminal (VDT) 158
virtual medical center 44
vision problems 159, 163
visual discomfort (asthenopia) 160
visual information 61

vital observations 172

W

WaveLAN system 200
weapons of mass destruction (WMD) 194
Web resources 42
Web-based electronic commerce 88
Web-based technology 37, 210
welcome display 82
World Wide Web (WWW) 138, 220
World Wide Web Consortium (W3C) 224
WWW utilization 145

Y

Yuma Node 204

Z

Zergo Report 303