Index

A

agile development 95 association rules 167 authentication mechanisms 324 automatic data collection 65, 68

B

background knowledge 33
Baldrige organizational self-assessment 157
Banner Health 337
biometrics 325
bounded rationality problem 166
business-to-business (B2B) 111
business-to-consumer (B2C) 111

С

CART algorithm 84 clinical collaborative process 156 clinical expertise 131 clinical knowledge 341 clustering 167 codified knowledge 16 collaborative technologies 240 common knowledge 32 communication standards 54 confidentiality 103 connectivity technologies 54 consumer to consumer (C2C) 111 consumers 113 continual quality improvement 340 culture 243

D

data dependability 102 data encryption 329 data envelopment analysis (DEA) 287 data mining 16, 78, 164 data quality 102 data security 328 data warehouses 16 day and respite care (DARC) 210 decision support system (DSS) 36 decision tree approach 78 decision trees 83, 167 digital network economy 50 digital signatures 325 disaster recovery 332 discretionary access control (DAC) 327 dissemination 17 Dutch government 30

Е

e-benefits 115 e-bonnectivity 114 e-health 51, 110 e-healthcare 50 e-hospital 50 e-hospital network 57 electronic data collection 208 electronic health record 92 electronic prescription system (EPS) 37 enterprise business processes 51 e-procurement 114 evidence-based medicine 125, 133 explicit knowledge 3, 17, 237

F

factual knowledge 33 fault tree analysis 105 firewalls 330

G

granularity problem 215 gross domestic product (GDP) 15

H

health and hospital services (HHS) 195 health care providers 194 health data users 93 health information systems 91 health insurance portability and accountability Ac 58 health services system 207 healthcare 239 healthcare costs 150 healthcare enterprises 14 healthcare leaders 151 healthcare organization 1, 44, 50, 78, 286, 321 healthcare quality 337 HIPAA 165 home based support (HBS) 211 hospital industry 14, 44, 65, 304 human services 208

I

ID cards 214 implicit knowledge 3 India 235 Indian companies 235 information age 110 information revolution 6 intellectual capital (IC) 45 intellectual nuggets 45 intelligent agents 7 intranet utilization patterns 229 intranets 222 iterative software development model 94

J

JCAHO 338

K

KM practices 231 KM systems 44 knowledge 223, 290 knowledge acquisition 306 knowledge application 306 knowledge assets 164 knowledge capture 20 knowledge creation 18, 306 knowledge databases 240 knowledge discovery 78 knowledge discovery in data bases (KDD) 16 knowledge dissemination 306 knowledge elicitation 18 knowledge flows 238 knowledge management (KM) 1, 14, 45, 91, 110, 165, 224, 235, 306, 349 knowledge management process model 14 knowledge mapping 7 knowledge of procedures 33 knowledge perspectives 207 knowledge productivity measurement 286 knowledge repositories 17 knowledge retrieval 16 knowledge sharing 243 knowledge storage media 2 knowledge transfer 17

knowledge utilization 36 knowledge webs 240 knowledge work 222 knowledge worker 229 knowledge-process matrix 289 knowledge-product matrix 289 KP³ methodology 287

L

Lilly, Eli 239

Μ

Malcolm Baldridge National Quality Award 150 mandatory access control (MAC) 327 medical errors 46, 53 medical field 164 medical sciences 164 medical technology management 46 mental healthcare 81 meta-knowledge 33

Ν

Netherlands, The 29 neural networks 167 New Zealand 193

0

organizational knowledge 223, 305 organizational memory 306

P

password hashing 324 passwords 324 patient admission data 52 patient admission process 51 patient care 50, 68 patient-doctor relationship 133 patient flow 66 patient overcrowding 66 patient preferences 131 patient tracking 70 personal computer (PC) 52 personal digital assistants (PDAs) 156 pharmaceutical industry 235 point-of-care data entry 54 point-of-contact 52 power-distance 244 primary care 134 privacy 103 privilege management infrastructure (PMI) 328 process-based knowledge map 7 process knowledge 288 process management 240 process-performance matrix 289 product knowledge 288 product-performance matrix 289 public health 222 public key infrastructure (PKI) 325

Q

quality improvement 50 quality improvement projects 32

R

radio frequency identification systems 69 rational unified process 94 real-time patient management 65 role based access control (RBAC) 327

S

secondary care 134 secure knowledge management 321 secure sockets layer (SSL) 329 security 24 security policy 331 silo effect 215 SIPAGEH 305 smartcards 326 social services 208 soft systems methodology (SSM) 209 spiral model 95 SSM healthcare 155 St. James's Hospital 228 stakeholders 207 strategic planning 310 surgeon syndrome 201

368 Index

Т

tacit knowing 237 tacit knowledge 3, 17 tele-medicine 193, 197

U

unified medical vocabulary 23

V

vendor "solutions" 237 video conferencing (VC) 195 virtual work environment 238

W

waterfall model 94 Web browsers 8 wireless data transfer 330