

Index

- abduction, 36, 122, 126, 203, 318
- academic
 achievement, 12, 211–12, 222, 263, 279, 365–6
 impact, 12–14, 305, 318
 underachievement, 12–14, 165, 318, 344, 375
- acalculia, 185, 318, *See* dyscalculia
- accent, 3, 10–11, 65–6, 68, 250, 318, 347
- accommodation, 135, 140
- accreditation, 285, 289, 301, 316, 318
- achalasia, 121, 318, 348
- acid laryngitis, 122, 318
- acoustic neuroma, 113, 318, 371
- acoustic reflex test, 111, 310, 318
- acquired communication disorder, 18–19, 22, 32, 265, 267, 318
- active articulator, 36, 318, *See* passive articulator
- adduction, 36, 122, 202–3, 250–1, 254, 319, 341
- advocacy, 1, 5, 269, 287–9, 294–5, 298, 301, 304, 316, 319
- aetiology, 15–16, 88–91, 95, 100, 106, 121–2, 124–5, 198, 201, 207, 209, 231, 236, 308, 319, 321, 326, 334, 339, 351
- affective
 flattening, 363
 state, 56–7, 137, 140, 165, 370
- affix, 47, 319
- aging, 89, 95, 108, 121, 123, 132, 204, 332, 339, 359
- agrammatism, 15, 32, 50, 319
- AIDS dementia complex, 63, 319
- alcohol, 144, 251, 354, 374
- alcohol-related dementia, 331
- allophone, 42, 45, 319, 328
- alogia, 118–19, 158–9, 162, 213, 319, 352, 359,
See poverty of speech
- Alport syndrome, 101, 319
- Alzheimer's dementia, 20, 23, 33, 131, 165, 226, 237, 319
- Alzheimer's disease, 125, 151, 237, 319, 331, 338, 348, 360
- ambiguity, 58, 365
- American Psychiatric Association, 4, 118, 167, 211, 331
- American Speech-Language-Hearing Association, 1, 7–8, 225, 268, 274, 276, 280, 287, 336
- amplification, 16, 113, 116–17, 320, 340
- amyotrophic lateral sclerosis, 320, 350, *See* motor neurone disease
- anaphoric reference, 62, 118, 320, 328
- anatomy, 16–17, 35, 87–8, 92, 94–6, 101, 106, 121, 124–5, 176–7, 182, 250, 253, 309, 320, 332, 349, 352, 358
- androgen therapy, 88, 93, 123, 250, 320
- anomia, 243, 266, 274, 294–5, 320, *See* word-finding difficulty
- anxiety, 12, 14, 122, 159–60, 162, 201, 247, 253, 259, 290, 310, 313, 320, 324, 361
- anxiety disorder, 320
- Apert syndrome, 178, 320
- aphasia
 agrammatic, 54, 319, 360
 anomie, 219, 320
 battery, 173, 323
 Broca's, 219, 320
 conduction, 320
 global, 320
 non-fluent, 180, 295, 319–20, 360
 transcortical motor, 320
 Wernicke's, 52, 320, 375
- aphasiology, 148, 398
- aphonia, 105, 159–61, 213, 320, 341
- apraxia of speech, 83, 97, 177–8, 180, 183, 210, 234, 236, 306, 311, 320, 332, 343, 350, 352, 354
- apraxic agraphia, 76, 321
- argument structure, 53–5, 84, 321, 365
- Arnold-Chiari malformation, 105, 321
- articulation, 10, 17, 36, 42, 67, 72, 85, 124, 168–9, 172, 176, 178–83, 198, 217, 234, 248–9, 266, 318, 330, 333, 341, 349, 374
- articulation disorder, 8–9, 83, 321, 367
- articulatory groping, 321
- artificial larynx, 255, 335, *See* electrolarynx
- Asperger's syndrome, 56–7, 321
- aspiration, 105, 173, 207–8, 219–20, 257, 259, 267, 272, 294, 311, 314, 321, 325, 353, 365, 373, *See* silent aspiration
- aspiration pneumonia, 256, 260, 301, 321
- atherosclerosis, 93, 321
- atresia, 96, 101, 106, 108, 116, 125–6, 321, 325, 329, 340, 373

- atrophy, 98, 251, 321, 341, 350, 356, 367
 attention, 17, 67–8, 99, 129, 131–3, 146, 151–2, 154, 156, 158, 174, 187–8, 236, 238, 247–8, 322, 348, 364, 369, *See* selective attention
 attention deficit hyperactivity disorder (ADHD), 6, 62, 119, 131–2, 156–7, 170, 211, 215, 223, 322, 341–2, 352
 audiogram, 103–4, 108–9, 127, 322, 353, 361
 audiology, 16, 88, 107, 117, 124, 276, 285, 288, 322
 audiometry, 109, 112, 127, 170, 322
 auditory brainstem response audiometry, 117, 318, 322
 augmentative and alternative communication (AAC), 5, 9, 24, 26, 216, 228, 235–7, 266, 301, 322, 338
 aural atresia, 102
 aural rehabilitation, 88, 102, 113, 117, 322
 Austin, J. L., 55, 367
 autism spectrum disorder (ASD), 6, 9, 33, 56, 92, 131, 170, 185, 211, 214, 216, 222, 232, 271, 287, 321–2, 325, 332, 336, 343, 352, 366, 370
 auxiliary verb, 49, 237, 323, 344
 avoidance behaviour, 200, 218, 247, 323, *See* stuttering
 avolition, 212, 352, 363
- Babinski reflex, 98, 100, 323
 backing, 44, 182, 306
 basal ganglia, 341
 basilar membrane, 108, 323
 Beckwith-Wiedemann syndrome, 94, 323, 347
 bedside assessment, 2, 172, 209, 272, 323
 behavioural impact, 12–14, 305, 323
 bifid uvula, 177, 324
 bilingual aphasia, 67, 324
 bilingualism, 65, 67–9, 280–1, 324, 351
 bipolar disorder, 88, 117–18, 158, 324
 blending, 46–7, 230, 233, 324, 376
 block, 247, 324, *See* stuttering
 bolus, 206–8, 252, 256–7, 260, 314, 324, 354, 374
 bowing, 202, 251, 324
 brain tumour, 90, 99, 255, 324, 360
 brainstem, 40, 93, 322, 324, 330, 341, 347, 372
 breathiness, 105, 168, 203–4, 206, 324
 breathing, 104, 169, 318, 363, 373
 Broca's area, 93, 325
- cancer, 25, 106, 258, 260, 291, 324, 326, 330, 340, 347, 354, 356–7, 362, 368, *See* carcinoma
 candida albicans, 207, 325, 354
 canonical babbling, 134, 325
 capillary ectasias, 374, *See* varices
 carcinoma, 106, 122, 124, 127, 251, 345, *See* cancer
 carryover, 248, 253, 325, *See* generalization
 case history, 64, 134, 171, 198–200, 207, 218, 270, 325, 350
 cell biology, 92, 320, 325
 central auditory processing, 107, 109, 325
 central nervous system, 16, 93, 98–100, 103, 105, 152, 325, 330, 332, 351–3, 357
 cerebellum, 76–7, 321, 324, 338
 cerebral palsy, 31, 36, 92, 97, 100, 126, 134, 164, 206, 219, 231–2, 235, 251, 255, 266, 283, 286, 292, 309, 325, 332–3, 340–1, 363, 367
 cerebrovascular accident, 19, 50, 52, 90–1, 93, 125–6, 207, 294, 309, 321, 324–5, 352, 356, 365, 368, *See* stroke
 CHARGE syndrome, 101, 326
 chemotherapy, 99–100, 249, 254, 324, 326, 345, 354
 child language acquisition, 35, 47, 78, 80–1, 326, 366
 childhood apraxia of speech, 9, 19, 32, 178, 210, 226, 232, 290, 296, 326, 331–2, 367, *See* developmental verbal dyspraxia
 cholesteatoma, 103, 106, 108, 126, 326, 348
 choral speech, 248–9, 326, 338, *See* stuttering
 circumlocution, 243, 266, 323, 326, 347
 cleft lip and palate, 15, 94, 96, 165, 291, 293–4, 326, 369, *See* submucous cleft palate
 clinical education, 55, 87, 92, 119, 123, 129, 133, 144, 166, 184, 268, 274, 285
 clinical neuropsychology, 132–3, 152, 326, 353
 clinical pragmatics, 55, 326
 clinical psychology, 18, 129, 132–3, 157, 160, 162, 327
 clipping, 46–7, 327, 376
 cluttering, 8, 195, 198, 200, 210, 213, 218, 245, 248–9, 327, 337
 cochlea, 39, 41, 73, 92, 102–3, 106, 108, 114, 126, 327, 342–3, 349, 353, 355, 359, 363, 368, 373
 cochlear
 aplasia, 102, 106, 327
 hypoplasia, 102, 106, 109, 126, 327, 371
 implant, 102, 107, 113–14, 229, 320, 327, 340
 implantation, 102, 114, 117, 327
 cochleostomy, 114, 327
 cognition, 100, 129, 131, 137, 161–2, 197–8, 319, 328
 cognitive behavioural therapy, 119, 132, 160–2, 165, 247, 249, 327
 cognitive development, 130, 135–7, 139–40, 327, 358
 cognitive module, 147, 327, 343, *See* modularity
 cognitive neuropsychology, 130–2, 328
 cognitive psychology, 16, 18, 129, 131–3, 146–7, 151, 162, 327
 cognitive-communication disorder, 8–9, 12, 20, 63, 152, 164, 174, 328
 coherence, 63–4, 192, 194, 328
 cohesion, 16, 20, 62, 64, 85, 118, 162, 165, 212, 320, 328, 335, 346, 369

- cohesive device, 62
- collaborative working, 159, 162, 268, 270, 273–5, 328
- communication disorder, 1–3, 5–6, 8, 10–15,
 18–24, 27–30, 32, 64, 66, 77, 88–91, 97, 125,
 152, 158–9, 162, 166, 200, 210–11, 213–16,
 221–3, 226, 250, 265, 269, 272, 280, 285,
 288–90, 294, 296, 298, 300–1, 304–5,
 315–16, 318–20, 323, 328, 330, 333, 338,
 340, 364, 371, 375
- communicative
 intention, 57–8, 71, 74, 138, 328, 336, 345
 partner, 24, 235
- complementary distribution, 42, 328
- componential analysis, 52, 55, 328, 364
- compounding, 46–7, 329
- comprehensibility, 62, 235, 266, 329
- comprehension, 2, 18, 20, 22, 27, 35, 50, 53, 56,
 65, 69–72, 74, 77, 80, 84, 89, 142–3, 159,
 172–3, 184–6, 188, 190, 195, 209–10, 238,
 240–1, 274, 278, 295, 312, 320, 325, 342,
 345, 364, 371, 375–6
- computerized axial tomography, 329
- conductive hearing loss, 8, 16, 88, 95, 101, 103,
 106–9, 116–17, 125, 127, 309, 320, 329, 340,
 355, 372
- confrontation naming, 46, 185, 329
- congenital heart disease, 93
- consonant cluster reduction, 15, 43, 45, 79, 82,
 306, 311, 329, 358
- constancy under negation, 60–1, 329
- contact ulcer, 335, *See* granuloma
- context, 20, 23, 30, 40, 55, 59, 61–2, 64, 66, 68,
 73–4, 76, 83, 133, 141, 143, 147, 161, 167,
 175–6, 179, 191–4, 197, 200, 210–12, 218,
 234, 242, 244, 261, 267–8, 270, 275–6, 279,
 281, 283, 287, 311, 313, 320, 329–31, 339,
 344, 359, 362–3
- continuing professional development (CPD), 34,
 269, 285, 289, 301, 316, 329
- contrastive function, 41, 45, 329
- conversation analysis, 24, 166, 168, 171, 174, 176,
 184, 329
- conversational
 discourse, 63
 exchange, 85, 191, 195
 partner, 22, 24, 27, 226–7, 235, 244, 266, 304
 repair, 192, 330
- conversion aphonia, 127, 320, 361
- cooperative principle, 57–8, 61, 330, 348
- coordinating conjunction, 278, 330
- correct information unit, 174, 194, 330
- coughing, 201, 207, 259, 267, 314
- cranial
 nerve, 32, 40, 88, 93, 98, 100, 126, 177, 324,
 330, 336, 341, 360, 373
 radiotherapy, 99–100, 330
- craniofacial syndrome, 371
- cricothyroid approximation, 250, 330
- cricothyroid joint, 105, 330
- cueing, 33, 168, 236, 243, 330
- cytomegalovirus, 19, 97, 109, 125, 330
- deixis, 59–61, 331, 359
- delayed auditory feedback, 248–9, 331, 338
- delusion, 32, 118, 212, 224, 331, 358, 363, *See*
 schizophrenia
- dementia, 8, 14, 20, 53, 55, 89, 98, 121, 124, 128,
 132, 149, 151, 153, 156, 216, 223, 258, 286,
 319, 323, 331, 338, 349, 351, 360, 364, 371
- demyelination, 351, *See* multiple sclerosis
- depression, 12, 14, 25, 33, 158–62, 201, 214, 219, 225,
 228, 253, 263, 304, 311, 314, 324, 331, 361, 366
- derailment, 118, 331, 370
- derivational morphology, 46–7, 331
- developmental apraxia of speech, 36, 127, 331
- developmental language disorder, 265, 305, 367
- developmental period, 18–19, 22, 98, 159, 211–12,
 254, 323, 325–6, 331, 365
- developmental phonological disorder, 331, 357,
See speech sound disorder
- developmental psychology, 16, 18, 129–30, 133–4,
 137, 139–40, 305, 332
- developmental verbal dyspraxia, 164, 229, 332,
 334, *See* childhood apraxia of speech
- diadochokinetic (DDK) rate, 178, 332
- Diagnostic and Statistical Manual of Mental
 Disorders* (DSM), 118, 332
- dialect, 40, 42, 65–6, 68, 85, 181, 332, 351
- diaphragm, 72, 93, 332, 358
- dietician, 33, 257, 271–2, 275, 314, 332
- diffusion tensor imaging (DTI), 332
- diphthong, 36, 83, 332
- diplegia, 97, 332
- discourse, 15–17, 20, 34–5, 57, 59, 61, 63–5, 83,
 85, 152–3, 157, 159, 171, 175–6, 184, 191,
 193–5, 198, 210, 311, 328, 330–3, 343–4,
 351, 363, 371–2
- discourse analysis, 62, 168, 176, 184, 333
- disorganized speech, 118–19, 212, 333, 358, 370,
See formal thought disorder
- distal aetiology, 90–1, 333, 361, *See* proximal
 aetiology
- distinctive feature, 43, 233–4, 333
- dopamine, 346, 356, *See* Parkinson's disease
- Down syndrome, 22, 80, 83–4, 90, 94, 134, 139,
 195, 225, 237, 245, 306, 333, 337, 339, 343,
 347, 372, *See* trisomy 21
- Duchenne muscular dystrophy, 98, 100, 126, 231,
 309, 333
- dysarthria, 16, 18–19, 26, 31–2, 36, 39, 83, 88–9,
 92, 97–8, 120, 126–7, 172–3, 177–8, 180,
 183, 210, 214, 219, 228–9, 231–2, 234–6,
 251, 276, 286–7, 293–4, 301, 306, 311, 333,
 337–8, 341, 343, 350–2, 356

- dyscalculia, 131, 133, 146, 318, 333, *See* acalculia
 dysfluency, 24, 91, 196–200, 245, 331, 333, 352, 361
 dyskinesia, 97, 99, 333, 346
 dyslexia, 16, 32, 89, 131, 133, 144, 146, 334
 dysphagia, 2, 9, 19, 22, 33, 97, 121, 124, 126, 152, 168, 170, 206–10, 216, 220, 256–60, 262, 265, 267, 271–6, 281, 286–7, 293–4, 300–1, 311, 314, 321, 332–4, 339, 351, 374
 dysphonia, 4, 15, 31, 37, 88, 90–1, 105, 121–4, 126–7, 159–60, 162–3, 165, 201–2, 204–6, 213, 221, 250, 252, 267, 270, 274, 310, 334, 353, 362
 dyspraxia, 131, 134, 146, 229–30, 232, 236, 334
- ear canal, 39, 41, 96, 101, 108, 111, 113, 125, 329, 334, 349, 361
 early corrective heart surgery, 93
 ecological validity, 171, 175, 191, 194, 334
 education, 1, 4, 12–13, 34–5, 40, 87, 89, 122, 131, 141, 157, 163, 166, 175, 243, 245, 252, 267–8, 274–5, 279–80, 282–9, 300, 304, 316, 318, 358, 366
 educational psychologist, 16, 64, 131, 133, 141, 144–6, 163–4, 171, 271, 310, 334
 educational psychology, 16, 18, 129, 131, 133, 140, 145–6, 305, 334
 egocentric discourse, 165
 electroencephalography (EEG), 99, 334
 electroglottography (EGG), 203, 206, 335
 electrolarynx, 236, 250, 253–5, 266, 335, 345, 354, *See* artificial larynx
 electropalatography (EPG), 17, 169, 182–3, 229, 278, 335
 ellipsis, 62, 64, 307, 328, 335
 embryology, 94, 105, 335
 emotion, 320, 327, 360, 363
 emotional and behavioural disorder, 132, 361
 emotional state, 57
 encephalitis, 340, *See* herpes simplex encephalitis
 endocrinology, 88, 120, 123–4, 127, 310, 335
 endotracheal intubation, 105, 335
 ENT medicine, 16–17, 88, 100, 106, 335, 355, *See* otolaryngology, otorhinolaryngology
 entailment, 60–1, 329, 335
 epidemiology, 15–16, 28, 88–91, 106, 305, 308, 335
 epiglottis, 257, 336, 345, 373
 Estuary English, 66, 336
 euphoria, 324
 Eustachian tube, 95, 103, 111, 336, 349, 352, 355
 euthymia, 324
 evidence-based practice, 232, 260–2, 264–5, 267, 287, 336
 executive dysfunction, 336, 360
 executive function, 17, 20, 152, 154–7, 163, 300, 315, 319, 322, 336, 360
- external auditory meatus, 39, 101, 106, 334, 336
 eye
 contact, 64, 189
 gaze, 57, 81, 189, 281
- facial expression, 93, 186, 235, 281, 336, 341
 facial nerve, 93, 98, 177, 336, 355
 false belief test, 138–40, 336
 fasciculation, 98, 177, 336, 341
 fibreoptic endoscopic evaluation of swallowing (FEES), 169, 207, 287, 337
 fibreoptic laryngoscopy, 202, 337, 346
 figurative language, 16, 159, 337
 final consonant deletion, 43, 233, 306, 311, 337
 finger agnosia, 185, 337
 fistula, 125, 177, 182–3, 337, 351, 373
 flaccid dysarthria, 97, 337, 358, *See* dysarthria
 fluency, 4, 24, 77, 166, 170, 195, 197, 199–200, 213, 216, 218, 220, 226, 245–7, 249, 265, 286, 326, 328, 331, 337–8, 347, 360
 fluency disorder, 8–9, 21, 170, 195–6, 200, 213, 216, 245, 327, 337, 369
 fluent aphasia, 59, 127, 320, 338
 foetal alcohol spectrum disorder, 164
 forensic impact, 12–14, 305, 338
 formal thought disorder, 118, 212, 338, 370, *See* disorganized speech
 fragile X syndrome, 32, 92, 125, 134, 245, 338–9, 360
 frequency altered feedback, 248, 338
 Friedrich's ataxia, 178, 338
 friendship, 12–14, 200, 222, 263, 366
 frontal lobe, 152, 157, 172, 336
 frontotemporal dementia, 32, 77, 338, 360, 364
 frontotemporal lobar degeneration, 180, 338
 functional communication, 174, 189, 198, 244, 251, 338
 functional dysphonia, 122, 160, 201, 338, *See* functional voice disorder
 functional magnetic resonance imaging (fMRI), 76, 99, 338
 functional voice disorder, 91, 201, 205, 338, *See* organic voice disorder
 fundamental frequency, 94, 123, 179, 202, 338, 344, 350, 358, 375, *See* pitch
- gag reflex, 177, 337–8, 346
 gastroenterologist, 121, 123, 208–9, 268, 270–1, 275, 315, 339
 gastroenterology, 16, 88, 120–4, 127, 257, 308, 310, 339
 gastroesophageal reflux disease (GERD), 88, 122, 124, 201, 208, 270, 345, 354
 gender dysphoria, 127, 339
 gender reassignment, 133, 250, 339

- general practitioner, 122, 288, 290, 298, 339
 generalization, 43, 67, 233, 243–4, 266, 325, 339,
 See carryover
 genetic syndrome, 81, 90, 92, 134, 245, 339, 360
 genetics, 92, 125, 339
 geriatrics, 89, 120, 123, 125, 127, 310, 339
 gerontology, 120, 124, 310, 339
 gesture, 2, 57–8, 94, 185–6, 195, 235–6, 330,
 338–9, 341, 371
 glossectomy, 25, 96, 106, 121, 125–6, 176, 206,
 339, 347, 354
 Goldenhar syndrome, 101, 339
 grammar, 29, 48, 50, 59, 175, 184–5, 211–12, 238,
 240, 329, 347, 356, 366, 372, *See* syntax
 granuloma, 335, *See* contact ulcer
 greeting, 74, 165, 189, 212
 Grice, H.P., 57–8, 330, 342, 348
 grimace, 178, 197, 218, 340
 group therapy, 2–3, 17, 225, 227, 245, 263, 266,
 313
- hallucination, 32, 118, 158, 162, 212, 224, 340,
 358, 363
 hard palate, 83, 177, 182, 306, 324, 326, 337, 354,
 366, *See* soft palate
 head and neck cancer, 133, 225, 270–1, 273, 286,
 340, 348
 head injury, 2, 25, 91, 126, 165, 266, 270–1, 274,
 309, 315, 371, *See* traumatic brain injury
 hearing
 aid, 107, 113, 117, 124, 214, 235, 248, 320
 impairment, 229, 278, 340
 hearing loss
 conductive, 16, 88, 95, 101, 103, 106–9, 116–17,
 125, 127, 309, 320, 329, 340, 355, 371
 sensorineural, 16, 19, 102–3, 106–8, 110, 117,
 126, 327, 331, 340, 348, 353, 359, 365
 hemiparesis, 340
 hemiplegia, 97, 340
 herpes simplex encephalitis, 90, 127, 340, *See*
 encephalitis
 histology, 92, 320, 340, 344
 HIV infection, 331
 hoarseness, 19, 32, 105, 122, 125, 161, 168, 202–4,
 270, 340
 homonymy, 52, 55, 365
 humour, 20, 212, 340, *See* joke
 Huntington's disease, 127
 hyoid bone, 105, 340, 370
 hyperactivity, 119, 223, 322, 341
 hyperadduction, 19, 267, 341, 374
 hyperfunctional voice disorder, 201, 205, 341, 351
 hypernasal resonance, 182, 341, 352
 hypernasality, 95, 213, 341, 351
 hyperreflexia, 98, 341, 367
 hypertonia, 177, 341
 hypoglossal nerve, 98, 177, 341
- hypokinetic dysarthria, 90, 92, 341, 349
 hyponimia, 251, 341
 hyponasality, 213, *See* hypernasality
 hypophonia, 251, 342
- idiom, 16, 20, 32, 57, 159, 193, 212, 315, 337, 342
 illocutionary force, 356
 immittance audiometry, 111, 322, 342
 impedance audiometry, 111, 117, 342
 implicature, 57–9, 61, 77, 81–2, 85, 307, 330, 342,
 348, 359
 impulsivity, 119, 223, 322, 342
 inattention, 119, 223, 322, 342
 incidence, 16, 33, 89, 91, 95, 103–4, 125, 198, 259,
 308, 323, 333, 336, 342, 373
 incomplete partition dysplasia, 102, 342
 incus, 39, 103, 342, 349, 355
 indirect speech act, 20, 57, 342
 inference, 60–1, 81, 137, 153, 187–8, 193, 212,
 241, 343, 364
 inferencing, 238, 240, 242, 343
 inflectional morphology, 45–7, 343
 inflectional suffix, 46–7, 66, 78, 82, 237, 307, 343
 information management, 174, 343
 informational encapsulation, 147, 151, 343, 349
 inner ear, 73, 102, 106, 108–9, 327, 340, 343,
 348–9, 355, 363, 365, 373
 intellectual disability, 5, 90, 97, 139, 185, 211–12,
 237, 245, 271, 320, 331–3, 338, 343, 346,
 353, 360, 363, 365–7, 376, *See* learning
 disability
 intelligence quotient (IQ), 343
 intelligibility, 41, 44–5, 72, 83, 92, 167, 172, 176,
 178, 181, 198, 213–14, 221, 223, 263, 273,
 320, 329, 339, 343
 intercostal muscle, 93, 344
 intercostal nerve, 93, 344
*International Classification of Functioning,
 Disability and Health* (ICF), 167, 197,
 214–15, 344
 intonation, 80, 360
 intubation, 335, 369
 inversion, 49, 56, 80, 344
 irony, 58–9, 77–8, 344, 353, 363, *See* sarcasm
 iteration, 195, 200, 333, 369, *See* stuttering
- jargon, 295, 338, 375
 jitter, 123, 202, 204, 206, 344, *See* shimmer
 joke, 193, 279, *See* humour
- lamina propria, 92, 344
 Landau-Kleffner syndrome, 235, 351, 356
 language
 acquisition, 65, 75, 78, 81–2, 86, 140, 325–6,
 331, 366
 battery, 168, 184–5, 194
 decoding, 22, 73–4, 76, 344

- language (cont.)
 delay, 13, 33, 89, 168, 239, 243, 262, 266, 278, 344
 development, 19, 33, 47–8, 67, 69, 78, 80–2, 84, 86, 116–17, 134, 146, 199, 240, 243, 271, 344, 351, 357, 364
 encoding, 22, 71–2, 76, 345
 expressive, 19, 31, 56, 65, 80, 116, 165, 168, 170–3, 184–5, 194, 240, 244, 266, 344, 349, 375
 pathology, 205
 receptive, 19, 28, 65, 116, 165, 167–8, 170–3, 184–5, 194, 244, 266, 344, 349
 signed, 320
 spoken, 18, 26, 66, 69, 71–2, 76, 233, 235, 237, 239, 266, 271, 280, 320, 333, 347, 364
 written, 18, 69, 71–2, 76, 165, 216, 320, 333, 355, 364
 language disorder
 expressive, 13, 15, 18–22, 32, 336, 345
 receptive, 13, 18–19, 21–2, 32, 278, 305, 345
 laryngeal apraxia, 236, 335, 345
 laryngeal cancer, 16, 88, 106, 121, 126, 204, 206, 249, 251, 266, 335, 345, 355, *See* cancer
 laryngectomy, 25, 106, 121, 126, 207, 249, 253, 266, 287, 291, 309, 335, 339, 345, 352, 354, 357, 369
 laryngology, 287, 345
 laryngomalacia, 104, 106, 126, 345, 369
 laryngopharyngeal reflux, 252, 345
 laryngoscopy, 19, 202, 206, 270, 345
 larynx, 35, 72, 88, 94, 100, 104–6, 126–7, 169, 178, 201–2, 205–6, 209, 250, 252, 320, 330, 335, 337–8, 340, 345, 355, 357, 362, 370, 375
 learning disability, 158, 287, 292, 343, 346, *See* intellectual disability
 left hemisphere, 32, 77, 88, 209, 346, *See* right hemisphere
 left-hemisphere damage, 363, *See* right-hemisphere damage
 lesion, 19, 88, 90, 97–8, 100, 110, 122, 149, 202, 250, 321, 337, 341, 346, 363, 373
 levator veli palatini, 93, 95–6, 346
 levodopa, 99, 333, 346
 Lewy body dementia, 360
 lexical
 diversity, 192, 194, 346
 reiteration, 62, 64, 328, 346
 relation, 16, 51, 55, 70–1, 346
 retrieval, 168, 326, 329, 337, 346, 376, *See* word retrieval
 semantics, 51, 55, 191, 194, 347, 365
 stress, 210, 347
 limb apraxia, 180, 347
 linguistic competence, 48, 347
 linguistics, 15–16, 34–5, 48, 51, 54–5, 59, 61–2, 64, 68, 77–8, 82, 87, 371, 374
 literacy, 9, 28, 31, 144, 229, 231, 233, 236, 263, 287, 347
 lower motor neuron, 98, 337, 341, 347, 350, 361, 372, *See* upper motor neuron
 macroglossia, 94, 177, 323, 347
 magnetoencephalography (MEG), 99, 347
 Makaton, 5, 22, 24, 235, 347
 mandible, 94, 106, 177, 347, 349, 355, 358, 371
 mandibulectomy, 106, 126, 347
 mania, 342, 370
 manner of articulation, 36, 40, 83, 233, 347, *See* place of articulation
 manometry, 208–9, 347
 mastication, 124, 207, 348
 mastoid bone, 103, 109, 348
 mastoidectomy, 103, 348
 maxillofacial surgery, 100, 120, 123, 127, 310, 348
 maxim, 58, 61, 81, 159, 348
 mean length of utterance (MLU), 348
 memory
 autobiographical, 348
 episodic, 131, 165, 319, 348
 long-term, 348
 semantic, 53, 55, 348, 364
 short-term, 187, 274, 348
 working, 17, 142–4, 152, 187, 348, 376
 Ménière's disease, 109–10, 309, 348, 362, 371
 meningitis, 19, 92, 97, 103, 126, 309, 348, 365
 mental
 flexibility, 152, 336
 health, 2, 28, 88, 116–17, 119–20, 133, 158–9, 162, 275, 286–7, 305, 361, 371
 representation, 70, 136, 147, 328
 state, 56–7, 130, 137–8, 140, 164, 328, 370
 status, 98, 349
 metaphor, 16, 20, 32, 57–8, 77–8, 147, 159, 193, 212, 315, 349, 353
 micrognathia, 94, 96, 128, 176–7, 349, 358, 371
 microtia, 101, 106, 321, 340, 349
 middle ear, 39, 95, 101, 103, 106, 109, 111, 124, 127, 321–2, 326, 329, 336, 340, 342, 348–9, 355, 368, 372
 middle ear cleft, 103, 349
 mild cognitive impairment, 132, 156, 349
 minimal pair, 41, 230, 233–4, 329, 349
 Möbius syndrome, 126, 309
 modularity, 131, 147, 151, 349, *See* cognitive module
 monoloudness, 178, 349
 monophthong, 36, 41, 85, 307, 349
 monopitch, 178, 350, 358
 morpheme, 45, 47–8, 80, 82, 190, 218, 319, 343, 348, 350, 359, 369, 376
 morphology, 9, 15, 17, 34–5, 45–8, 65, 78, 82–3, 149, 183, 186–7, 193, 306, 326, 343, 350
 morphosyntax, 237, 350
 motor development, 64, 134–5, 332, 350

- motor execution, 72, 76, 177, 350
 motor milestone, 134, 140, 163, 171–2, 198, 350
 motor neurone disease, 23, 25, 31, 98, 125, 127, 219, 221, 228, 235, 255, 265, 273, 320, 337–8, 350, 356, 363, *See* amyotrophic lateral sclerosis
 motor programming, 177, 230–2, 320, 345, 350, 354
 motor speech disorder, 2, 8, 15–16, 39, 98, 178, 180, 183, 216, 232, 234, 236, 265, 301, 320, 350
 motor speech execution, 22, 266, 313, 350
 motor speech programming, 22, 266, 313, 350
 multidisciplinary team, 100, 133, 146, 157, 163–4, 268–75, 300, 326, 350
 multilingualism, 34, 67, 69, 351
 multiple negation, 66, 351
 multiple sclerosis (MS), 98
 muscle tension dysphonia, 253, 267, 341, 351
 mutism, 18, 26, 351
- naming, 52–3, 67, 77, 139, 149, 154, 190, 197, 210, 243, 266
- narrative
 coherence, 16, 20, 63–4, 220
 discourse, 174–5, 192, 351
 oral, 187
 production, 62, 64, 164, 168, 172, 174, 194
- nasal
 emission, 178, 266, 351
 polyp, 125
 turbulence, 178, 351
- nasogastric tube, 169, 258, 260, 272, 351
 nasometer, 17, 169, 182, 351
 nasometry, 169, 182–3, 352
 nasopharynx, 93, 336, 349, 352, 357, 366
 nativism, 78, 82, 326, 352
 near infrared spectroscopy (NIRS), 99, 352
 neck stoma, 254, 352
 negative symptom, 118, 158, 212, 352, 358, 363, *See* positive symptom, schizophrenia
 neoplasm, 324, 345, 354, 357
 neurodegenerative
 disease, 25, 98, 235, 273, 319, 324, 337–8, 350, 363
 disorder, 100, 180, 221, 270
 neurodevelopment, 97
 neurodevelopmental disorder, 81, 119, 134, 157, 211, 213, 215, 271, 321–2, 325, 338, 341, 352
 neurogenic communication disorder, 88, 91, 352
 neurogenic dysphagia, 207, 257–8, 334, 352, *See* dysphagia
 neurogenic stuttering, 91, 195, 200, 357, *See* psychogenic stuttering
 neurologist, 2, 98–100, 167, 172, 209, 268, 271–2, 275, 300, 314, 352
 neurology, 15–17, 35, 88, 96, 99, 305, 308, 352, 359
 neuropragmatics, 77–8, 353
 neuropsychologist, 17, 132, 152, 154, 157, 163, 174, 268, 275, 310, 315, 326, 353
 neuropsychology, 17–18, 129–30, 132–3, 151, 157, 326, 353
 neurosurgery, 18, 99–100, 353
 noise-induced hearing loss, 103, 109, 126, 309, 353, 371, *See* hearing loss
 noise-to-harmonics ratio, 204, 353
 non-literal language, 58, 193, 337
 non-oral feeding, 2, 19, 121, 260, 334, 353, 355
 non-verbal communication, 130, 328, 336, 365
 Noonan syndrome, 134, 353
 norm-referenced test, 174, 176, 180, 183, 191, 194, 353
 nosology, 119, 166, 215, 353
- occupational
 functioning, 116–17, 160, 220, 222, 244, 375
 therapist, 268, 271, 283, 315, 353
- oesophageal
 dysphagia, 121, 208–9, 318, 334, 348, 354, *See* dysphagia
 speech, 250, 253–4, 266, 354
 voice, 254, 370
- oesophagectomy, 105, 121, 354
 oesophagitis, 207, 354
 oesophagoscopy, 208, 354
 oesophagus, 106, 121, 206, 208, 219, 254, 318, 325, 339, 345, 353–4, 362, 369, 373
- olfaction, 93, 354
 oncologist, 271, 354
 oncology, 120, 123, 125, 127, 310, 354, 359
- oral
 apraxia, 178, 180, 183, 321, 354
 cancer, 96, 106, 121, 126, 339, 354
 cavity, 40, 42, 94, 100, 106, 202, 206, 208–9, 250, 253, 257, 314, 335, 340, 354, 356–7
 feeding, 33, 168, 258, 272, 315, 353, 355
 orbicularis oris, 93, 336, 355
 organ of Corti, 39, 103, 327, 355
 organic voice disorder, 90, 201, 205, 355, *See* functional voice disorder
 oropharyngeal dysphagia, 208–9, 257, 314, 334, 355, *See* dysphagia
 orthodontics, 120, 123, 127, 310, 337, 355
 orthography, 149, 355
 ossicle, 39, 101, 103, 108, 111, 126, 326, 342, 348–9, 355, 368, 372
 otitis media, 88, 95, 108, 111, 125, 329, 348, 355, 372
 otolaryngologist, 103–6, 122–3, 127, 160, 201–2, 208, 268, 270, 274, 355, 368
 otolaryngology, 15, 88, 122, 126, 308, 355

- otorhinolaryngology, 16–17, 88, 100, 305, 335, 345, 355, *See* ENT medicine
- otosclerosis, 95, 329, 355, 368
- paediatrician, 163, 167, 171–2, 271, 356
- paediatrics, 120, 123, 127, 310, 355
- palatal lift, 234, 356
- palate
- artificial, 183, 335
 - hard, 83, 177, 182, 306, 324, 326, 337, 354, 366
 - soft, 36, 72, 83, 95, 177, 182, 202, 207, 209, 266, 306, 324, 326, 337, 346, 356, 366, 373
- palliative care, 120, 123, 127, 310, 356
- paralysis, 96, 105, 201, 251, 340–1, 366, 373
- paresis, 96, 251, 366, 374
- Parkinson's disease, 90, 92, 98–9, 126, 202, 205, 219, 234, 251, 258–9, 267, 292, 301, 324, 333, 341, 346, 349, 356
- partial cricotracheal resection, 105, 356
- particularization, 48–9, 356, 372
- passive articulator, 36, 318, 347, 356, *See* active articulator
- pathogenesis, 122, 251, 356
- pause, 118–19, 158, 193, 195, 248, 254, 323
- perception, 6, 10, 25, 35, 37, 39–41, 65, 69, 73–4, 76, 86, 104, 129, 131, 145–6, 151, 168, 182, 198, 204, 248, 251, 269, 280–1, 285, 288, 315–16, 328, 340, 343, 349, 352, 356–8, 361–2
- percutaneous endoscopic gastrostomy, 258, 260, 353, 356
- performative verb, 56, 356
- peripheral nervous system, 16, 88, 93, 333, 353, 357
- perseveration, 195, 200, 295, 333, 369
- pharyngectomy, 106, 357
- pharynx, 105–6, 126, 202, 206, 209, 219, 252, 257, 335, 338, 340, 345, 352, 356–7, 373, 375
- phenotype, 92, 357
- phonation, 93, 96, 106, 124, 126, 161, 177, 179, 202, 205–6, 250, 254, 267, 310, 320, 333, 341, 345, 357
- phonemic cue, 210, 311, 330
- phonetics, 15, 17, 34–7, 39–41, 83, 305, 357
- phonological
- awareness, 229, 231, 233, 236, 238, 240–1, 357
 - development, 29, 78–9, 344, 357
 - disorder, 9, 15, 33, 42–3, 79, 82, 223, 237, 357, 367
 - feature, 42, 45, 52, 357
 - process, 43–5, 79, 82–3, 181, 183, 217, 332, 358
- phonology, 15, 17, 34–5, 41–2, 45, 78–9, 82–3, 149, 172, 175–6, 183, 193, 230, 240–1, 326, 347, 358
- phrenic nerve, 93, 358
- physiology, 16–17, 35, 87–8, 92–6, 101, 106, 121, 124–5, 177, 250, 253, 256–7, 260, 305, 309, 337, 358
- physiotherapist, 268, 283, 315–16, 358
- Piaget, J., 358
- Pierre Robin syndrome, 94, 101, 128, 349, 358
- pitch, 37, 88, 94, 123, 178, 202, 204–5, 248, 250, 272, 322, 330, 338, 349, 358, 368, *See* fundamental frequency
- place of articulation, 36, 41, 43, 83, 233, 358, *See* manner of articulation
- planning, 7, 16, 29, 72, 76, 86, 152, 220, 230–3, 236, 245, 266, 284–5, 313, 315, 336, 347, 350
- pointing, 50, 56, 81
- politeness, 342
- positive symptom, 32, 213, 331, 352, 358, 363, 370, *See* negative symptom, schizophrenia
- positron emission tomography (PET), 99, 359
- posterior fossa tumour, 351, *See* brain tumour
- post-natal period, 325
- poverty of speech, 118, 158, 162, 213, 319, 352, 359, 363, *See* alogia
- Prader-Willi syndrome, 164, 337
- pragmatic development, 78, 81–2, 345, 359
- pragmatic language impairment, 20, 192, 222, 359, 366
- pragmatics, 9, 15–17, 34–5, 55, 57, 61, 63, 78, 82–3, 153, 171, 175–6, 184, 189, 191–2, 195, 198, 248–9, 305, 312, 326, 359, 363
- prefixation, 46–7, 359, 376
- pre-natal period, 96–7
- presbycusis, 107, 109, 117, 309, 359, 362, 371
- presbylarynx, 202, 324
- presupposition, 60–1, 85, 184, 307, 329, 359
- prevalence, 16, 28, 32, 89, 91, 94, 97, 103–4, 108, 117, 120–1, 125, 245, 308, 324, 335, 351, 359
- primary CNS lymphoma, 360
- primary motor cortex, 93, 325, 360–1
- primary progressive aphasia, 77, 360, *See* dementia
- prison, 28–9, 133, 275
- problem-solving, 15, 17–18, 132, 146, 151–2, 360–1
- procedural discourse, 64, 194
- professional voice user, 90, 125, 253, 360, 375
- prognosis, 88, 360
- progressive non-fluent aphasia, 235, 338, *See* dementia
- progressive supranuclear palsy, 338, 356, *See* Parkinson's disease
- prolongation, 195, 247, 360, 369, *See* stuttering
- prolonged speech, 247, 249, 313, 360
- prosody, 178–9, 198, 234, 333, 341, 358, 360, 363
- protraction, 369, *See* stuttering
- proximal aetiology, 90–1, 360, *See* distal aetiology
- psychiatrist, 118–20, 127, 211, 271, 275, 361
- psychiatry, 15, 17, 88, 117, 119–20, 127, 305, 308, 361
- psychogenic dysphonia, 120, 132, 159–60, 162, 165, 201, 270, 310, 319, 361

- psychogenic stuttering, 91, 195, 200, 357, *See* neurogenic stuttering
- psychological impact, 12–14, 305, 361
- psychologist, 13, 17, 84, 132–3, 135, 138–41, 143, 146–7, 158–9, 161–3, 165, 175, 211, 270, 310, 327, 332, 358, 361
- psychology, 17, 121, 129–33, 146, 151, 157, 163, 262, 282, 327, 332, 334, 349
- psychometric test, 131, 141, 143–4, 146, 164, 361
- psychopathology, 157–9, 162, 361
- psychotherapy, 119–20, 327, 361
- puberphonia, 8, 361
- pure tone audiometry, 16, 107, 109–10, 117, 124, 310, 361, 367
- pyramidal system, 98, 361
- pyriform sinus, 258–9, 357, 361, 373
- quality of life, 33, 116–17, 162, 197–8, 200, 204–6, 218, 221, 225, 244, 253, 255, 293, 322, 358, 362, 366
- radiotherapy, 99, 249, 253–4, 324, 330, 345, 362
- randomized controlled trial, 261–2, 264, 267, 362
- reading, 9, 13–14, 31, 35, 40, 76, 143, 148–9, 171, 184–5, 187–8, 190, 229, 233, 238, 240–1, 251, 295, 312, 334, 364
- reasoning, 81, 131–2, 137–8, 142–4, 146, 151, 238, 242, 263, 327, 338, 361–2
- recruitment, 11, 98, 103, 106, 362
- recurrent laryngeal nerve, 105, 362, 370
- reference, 34, 51, 54, 63–4, 94, 150, 213, 268, 320, 347, 362, 371
- referent, 27, 60, 62–3, 74, 193, 362
- reflux laryngitis, 88, 318, 362
- register, 65–6, 68, 362
- rehabilitation, 2–3, 25–7, 102, 113, 132–3, 152, 154, 163, 243, 268, 270–1, 273, 275–6, 284, 295, 300, 322, 326, 353, 370
- reliability, 174–5, 198, 363
- repair, 27, 195, 218, 293, 330, *See* trouble source
- repetition, 27, 56, 149, 178, 190, 197, 213, 236, 241–2, 247, 304, 332, 346, 363, 369, *See* stuttering
- repetitive language, 32
- reported speech, 168
- request for clarification, 330
- resonance, 9, 95, 99, 178, 250–1, 341, 351
- resonation, 124, 177, 179, 333
- respiration, 92, 106, 124, 177–8, 333, 345, 355, 363, 371
- respiratory therapist, 273, 363
- response inhibition, 132, 363
- Rett syndrome, 214, 363
- right hemisphere, 98, 363, *See* left hemisphere
- right-hemisphere damage, 16, 20, 32, 153, 328, 363, *See* left-hemisphere damage
- right-hemisphere language disorder, 31, 363
- Royal College of Speech and Language Therapists, 1, 14, 34, 68, 87, 129, 166, 268, 272, 294, 336
- sarcasm, 57, 77, 137, 139, 193, 363, *See* irony
- scala tympani, 114, 323, 327, 363
- schema, 147, *See* script
- schizophrenia, 15, 32, 46, 58–9, 66, 71, 86, 88, 117–20, 157–9, 162, 211–13, 215, 224, 331–2, 340, 352, 358, 363, 366, 370–1
- script, 190, *See* schema
- Searle, J. R., 367
- seizure, 235, 274, 315, 363
- selective attention, 154, 157, 322, 364, *See* attention
- selective mutism, 9, 320
- self-esteem, 12–14, 31, 122, 219, 221–2, 253, 279, 361, 364
- semantic
- component, 52–3, 55, 328, 364
 - cue, 311, 330
 - dementia, 53, 334, 338, 364, *See* primary progressive aphasia
 - development, 80–2, 364
 - field, 16
 - impairment, 127, 150
 - knowledge, 52, 65, 364
 - network, 71, 76, 86, 243, 364
 - paraphasia, 52, 71, 347, 364
 - relation, 51, 70–1, 73, 80, 82, 86, 185, 188, 312, 321, 335, 346, 364–5
 - role, 53–5, 84, 365, 370
 - system, 147, 149–50
- semantics, 9, 15, 17, 34–5, 51–5, 76, 78, 82–3, 149–50, 159, 162, 168, 183–4, 191–2, 194, 237–8, 244, 305, 326, 328, 347, 364–5
- semicircular canal, 102, 327, 343, 365, 373
- sense, 51, 54, 63, 69, 147, 262, 291, 328, 343, 354, 365, 374
- sensorineural hearing loss, 16, 19, 102–3, 106–8, 110, 117, 126, 327, 331, 340, 348, 353, 359, 365
- sexual dimorphism, 94, 365
- shimmer, 202, 204, 206, 365, *See* jitter
- silence, 281
- silent aspiration, 168, 172, 219, 321, 365, *See* aspiration
- single-photon emission computed tomography (SPECT), 76, 365
- social
- communication, 56, 192, 211–13, 321–2, 365
 - context, 35, 191, 212
 - functioning, 116, 263, 366
 - impact, 12–14, 301, 304, 366
 - integration, 263, 366
 - interaction, 13, 19, 56, 64, 189, 192, 281, 322, 330, 366
 - interactionism, 78, 82, 326, 366
 - isolation, 14, 22, 304

- thyroidectomy, 105, 126, 370
 tic disorder, 213, 370
 tinnitus, 104, 106, 109, 318, 348, 371
 tongue cancer, 206, *See* cancer
 top-down processing, 40, 74, 76, 371
 topic
 development, 371
 digression, 328
 management, 174, 184, 192, 195, 217, 371
 termination, 371
 total communication, 244, 266, 371
 Tourette's syndrome, 144
 tracheostomy, 169, 287, 349, 371
 tracheotomy, 105, 126, 371, 374
 transcranial magnetic stimulation, 99, 371
 traumatic brain injury, 9, 12, 16, 25, 149, 151–3,
 194, 216, 231, 293, 309, 323, 328, 336, 351,
 366, 369, 371, *See* head injury
 Treacher Collins syndrome, 94, 101, 106, 371
 trisomy 21, 90, 333, 339, 372, *See* Down syndrome
 trouble source, 330, *See* repair
 T-unit, 194, 372
 turn-taking, 167, 174, 192, 195, 372
 tympanic membrane, 39, 103, 111, 334, 349, 372
 tympanometry, 111, 310, 342, 372
- ultrasound, 182, 278, 372
 universal grammar, 48–9, 356, 372
 upper motor neuron, 98, 341, 361, 366, 372, *See*
 lower motor neuron
 upper oesophageal sphincter, 207, 251, 254, 257,
 354, 373
 utterance interpretation, 74, 76, 328
- VACTERL/VATER association, 101, 373
 vagus nerve, 93, 346, 362, 373
 validity, 170, 174, 198, 247, 373
 vallecula, 257–9, 373
 varices, 374, *See* capillary ectasias
 vascular dementia, 338, 360, *See* dementia
 velopharyngeal
 closure, 126, 234
 incompetence, 95–6, 125, 214, 219, 234, 340–1,
 346, 356, 373
 insufficiency, 182, 352, 373
 port, 16, 35, 95, 182, 228, 351, 356, 373
 velum, 32, 36, 93, 95–6, 182, 373
 vernacular, 67, 85, 351, 373
 vestibule, 102, 314, 327, 342, 373
 vestibulocochlear nerve, 40, 327, 355, 373
- videoendoscopy, 207, 209, 374
 videofluoroscopy, 4, 168, 182–3, 207–9, 257, 273,
 275, 287, 301, 311, 374
 vision, 93
 visual
 agnosia, 150, 374
 field, 235
 vocabulary
 expressive, 374
 receptive, 143, 362
 vocal
 abuse and misuse, 90, 250, 374–5
 fold paralysis, 104–6, 123, 126, 202, 321, 355,
 374
 hygiene, 122, 161, 252–4, 270, 274, 374–5
 intensity, 202, 253, 349, 356, 374
 nodule, 19, 88, 90, 105–6, 125–7, 201–2, 205,
 250, 267, 309, 360, 374
 polyp, 32, 205, 375
 tract, 42, 229, 250, 358, 375
 vocal fold haemorrhage, 252, 374
 vocational impact, 12, 14, 305, 375
 voice
 mutation, 94, 361, 375
 onset time, 40, 375
 prosthesis, 250, 253–5, 369, 375
 quality, 160, 178, 204, 254, 351, 365, 375
 therapy, 160–1, 249–50, 253–4, 267, 311, 339,
 375
 transsexual, 124
 voice disorder
 functional, 91, 201, 205, 338
 hyperfunctional, 201, 205, 341, 351
 neurogenic, 374
 organic, 90, 201, 205, 355
 psychogenic, 91, 133, 160, 205
 voicing, 36, 40–2, 44, 79, 82–3, 161, 180–2, 204,
 233, 306, 311, 375
- Wernicke's area, 93, 375
 Williams syndrome, 90, 107, 125, 144, 339, 376
 word retrieval, 243, 376, *See* lexical retrieval
 word-finding difficulty, 220, 320, 376, *See* anomia
 word-formation, 45, 47, 324, 327, 329, 331, 359,
 369, 376
 World Health Organization, 167, 174, 197, 211,
 214–15, 243, 274, 344, 362
 world knowledge, 74, 76
 writing, 9, 66, 76, 78, 140, 184–5, 189–90, 194,
 198, 234, 273, 321, 346, 350, 355, 371