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| **BrainArea** | **Reference** | **Method** | **Modality** | **Task** | **Population** |
| **left fronto-temporal cortex** | Goodglass, 1993 | review |  |  | lesions / aphasia |
| Hickock & Poeppel, 2007 | review |  |  |  |
| Price, 2010 | review |  |  |  |
| Luria, 2011 | review |  |  | lesions / aphasia |
| Friederici, 2012 | review |  |  |  |
| Price, 2012 | review |  |  |  |
| Hagoort, 2014 | review |  |  |  |
| Fridriksson et al., 2018 | review |  |  | lesions / aphasia |
| Fedorenko et al., 2024 | review |  |  |  |
| Vigneau et al., 2006 | meta-analysis |  |  |  |
| Ferstl et al., 2008 | meta-analysis |  |  |  |
| Hodgson et al., 2021 | meta-analysis |  |  |  |
| Turker et al., 2023 | meta-analysis |  |  |  |
| Yang et al., 2024 | meta-analysis |  |  | deaf |
| Kansaku et al., 2000 | fMRI | auditory comprehension | passive listening to stories |  | |
| Pallier et al., 2003 | fMRI | auditory comprehension | sentences comprehension in native > unfamiliar language |  | |
| Fedorenko et al., 2010 | fMRI | reading / auditory comprehension | passive reading / listening to sentences |  | |
| Scott et al., 2017 | fMRI | auditory comprehension | passive listening to stories |  | |
| Braga et al., 2020 | fMRI | resting state |  |  |
| Lipkin et al., 2022 | fMRI | reading / auditory comprehension | passive reading / listening to sentences |  | |
| Malik-Moraleda et al., 2022 | fMRI | auditory comprehension | passive listening to stories |  | |
| Hu et al., 2022 | fMRI | language production | picture naming / picture description / word reading / sentence reading |  | |
| Giglio et al., 2024 | fMRI | language production | naturalistic production / listening to naturalistic speech |  | |
| Wolna et al., 2024 | fMRI | language production | picture naming |  |
| Rajimehr et al., 2024 | fMRI | naturalistic cognition | movie watching |  | | |
| Perani et al., 1996 | PET | auditory comprehension | passive story comprehension |  | |
| Tzourio et al., 1998 | PET | auditory comprehension | passive story comprehension |  | |
| Perani et al., 1998 | PET | auditory comprehension | passive listening to stories in native a foregin language |  | |
| Papathanassiou et al., 2000 | PET | auditory comprehension / language production (covert) | passive story comprehension / verb generation (covert) |  | |
| Alho et al., 2003 | PET | auditory comprehension | attentive listening to a story (left / right ear) |  | |
| Crinion et al., 2003 | PET | auditory comprehension | passive listening to stories |  | |
| Clark et al., 2005 | PET | langauge production / comprehension | | lesions / aphasia | | |
| Friederici et al., 2000 | MEG | auditory comprehension | sentences / syntactic sentences / word lists / nonword lists |  | |
| Broca, 1861 | case study |  |  | lesions / aphasia |
| Wernicke, 1874 | case study |  |  | lesions / aphasia |
| **temporal pole** | Lambon Ralph et al., 2017 | review |  |  |  |
| Ferstl et al., 2007 | meta-analysis |  |  |  |
| Visser & Lambon-Ralph, 2011 | fMRI | auditory comprehension | semantic decision |  |
| Bédos Ulvin et al., 2017 | intracranial electrical stimulation | language production | object naming | epileptic patients |
| **ventral temporal areas** | Bedny et al., 2011 | fMRI | auditory comprehension in blind | sentence comprehension | blind |
| Krauss et al., 1996 | intracranial electrical stimulation | language production / reading / auditory comprehension | object naming (BNT) / passage reading / spontaneous speech / responsive naming / single word reading | epileptic patients |
| Snyder et al., 2023 | intracranial EEG / fMRI | language production | object naming (BNT) | epileptic patients |
| **medial parietal cortex** | Ferstl et al., 2007 | meta-analysis |  |  |  |
| Holland & Lambon Ralph, 2010 | rTMS | langauge production | generating verbs in past tense based on a present tense prompt |  | |
| **pre-SMA** | Hertrich et al., 2016 | review |  |  |  |
| Bohsali & Crosson, 2016 | review |  |  |  |
| Ardila, 2020 | review |  |  | lesions / aphasia |
| Turkeltaub et al., 2002 | meta-analysis |  |  |  |
| Ferstl et al., 2007 | meta-analysis |  |  |  |
| Crosson et al., 2003 | fMRI | language production | word generation (based on thyming or semantic cues) |  | |
| **occipital: vOT / VWFA** | Reich et al., 2011 | fMRI | reading braille | word reading (Braille) | blind |
| Kim et al., 2017 | fMRI | reading braille / auditory comprehension | word reading (Braille) / passive sentence comprehension | blind |
| **occipital: V1** | Seydell-Greenwald et al., 2023 | fMRI | auditory comprehension | listening to sentences with true / false judgement |  | |
| **occipital: vOT / VWFA** | Dikker et al., 2009 | MEG | reading | detecting syntactic violations |  | |
| **occipital: V1** | Dikker et al., 2010 | MEG | reading | detecting syntactic violations |  | |
| **hippocampus** | Brown-Schmidt, 2017, 2012 | review |  |  |  |
| Covington & Duff, 2016 | review |  |  |  |
| Tuckute, Lee, et al., in prep | fMRI | reading / auditory comprehension | passive reading / listening to sentences |  | |
| Wahl et al., 2008 | intracranial EEG / EEG | auditory comprehension | listening to syntactically correct vs. uncorrect sentences |  | |
| Piai et al., 2016 | intracranial EEG | auditory comprehension | listening to contextually constrained or unconstrained sentenes followed by picture naming |  | |
| **cerebellum** | Leiner et al., 1993 | review |  |  |  |
| Murdoch, 2010 | review |  |  |  |
| Highnam & Bleile, 2011 | review |  |  |  |
| Mariën et al., 2014 | review |  |  |  |
| Ackerman & Brendel, 2016 | review |  |  |  |
| Van Dun et al., 2016 | review |  |  |  |
| LeBel & D’Mello, 2023 | review |  |  |  |
| Casto et al., 2025 | fMRI | auditory comprehension / reading / language production | passive reading / listening to sentences |  | |
| **thalamus** | Klostermann & Ehlen, 2013 | review |  |  |  |
| Booth et al., 2007 | fMRI | reading / rhyming task | single word reading with rhyming judgement |  | |
| **basal ganglia** | Kotz et al., 2009 | review |  |  |  |
| Ackerman & Brendel, 2016 | review |  |  |  |
| Crosson et al., 2003 | fMRI | language production | word generation (based on thyming or semantic cues) |  | |
| Thibault et al., 2021 | fMRI | reading | reading sentences with true vs. false judgement |  | |