SUPPLEMENTARY DATA
Supplementary data Table 1: Cohorts on which neurotechnology was used

Cohorts		Description	%
Human	Embryo and fetus	Unborn	2
	Infants	Aged > 0 and < 3	2
	School-aged and adolescents	Aged ≥ 3 and ≤ 18	8
	Adults	Aged > 18 and < 65	27
	Aging	Aged ≥ 65	6
	Not specified	No statements qualifying age	60
Animal		Research done on non-humans	5

Supplementary data Table 2: Cited conditions (>1%) in clinical research and application in media coverage of neurotechnology

	Condition	ICD-10 code ^a	Examples	%
Mental and behavioral disorders	Organic, including symptomatic, mental disorders	F00-F09	Dementia, Pick's disease, vascular dementia, dementia in Huntington's disease	11
	Mood [affective] disorders	F30-F39	Depression, manic episode, hypomania, mania, bipolar affective disorder, depressive episodes	6
	Disorders due to psychoactive substance use	F10-F19	Disorders due to use of alcohol, cannabinoids, cocaine, stimulants (including caffeine, hallucinogens, tobacco)	3
	Neurotic, stress-related and somatoform disorders	F40-F48	Phobic anxiety disorders, generalized anxiety, obsessive-compulsive disorder, post-traumatic stress disorder	3
	Behavioral and emotional disorders with onset in childhood and adolescence	F90-F98	Hyperkinetic disorders, attention deficit disorder with hyperactivity	3
	Schizophrenia and delusional disorders	F20-F29	Schizophrenia, persistent delusional disorders, delusional disorder, schizoaffective disorders	2
Diseases of the nervous system	Extrapyramidal and movement disorders	G20-G26	Parkinson's disease, dystonia, essential tremor, drug- induced tics and other tics of organic origin	11
	Other degenerative diseases of the NS	G30-G32	Alzheimer's disease (senile and presenile forms), circumscribed brain atrophy, Pick's disease	10
	Episodic and paroxysmal disorders	G40-G47	Epilepsy, status epilepticus, migraine, unspecified	10
	Systemic atrophies primarily affecting the CNS	G10-G13	Huntington's disease, hereditary ataxia, late-onset cerebellar ataxia, motor neuron disease	5
	Cerebral palsy and other paralytic syndromes	G80-G83	Infantile cerebral palsy, spastic cerebral palsy, hemiplegia, other paralytic syndromes	4
t h e	Cerebrovascular diseases	I60-I69	Strokes, subarachnoid hemorrhage, intracerebral	4

		hemorrhage, cerebral aneurysm	
Injuries to the head	S00-S09 and	Intracranial injury with prolonged coma, injury of	3
	S00-T98	cranial nerves, concussion	

^a Site of the World Health Organization, ICD-10: http://www3.who.int/icd/vol1htm2003/fr-icd.htm NS=nervous system; CNS= central nervous system

Supplementary data Table 3: Cited areas of non-clinical research and application in media coverage of neurotechnology

Area	Example	%
Cognition	Attention, memory, learning, sleep	19
Cognition (integrated)	Decision-making, intelligence, self-monitoring	9
Emotion and affect	Emotional reactions, love, anger, sadness	8
Sensory – primary	Primary sensory: vision, olfaction, audition, touch	7
Methods and technology	Improvement of research method and devices	6
Sensory – integrated	Processing or integrative sensory: object recognition, perception	4
Social behavior	Consumer preferences, racial evaluation, cooperation	4
Motor	Motor function	2