

Neuropathology Core Leaders Meeting

NACC update
14 October 2016
Baltimore MD

The NACC database: total subjects

Clinical data available	NP data records avail.	Total subjects
Subjects in MDS* only	11,029	66,042
Subjects in UDS**	4,287	34,326
Total	15,316	100,368

FTLD module data available	NP data records avail.	Total subjects
Number of Subjects	68	1,299 (22 centers)

Numbers as of the September 1, 2016 data freeze

*MDS reflects ADC enrollment 1984 – 2005

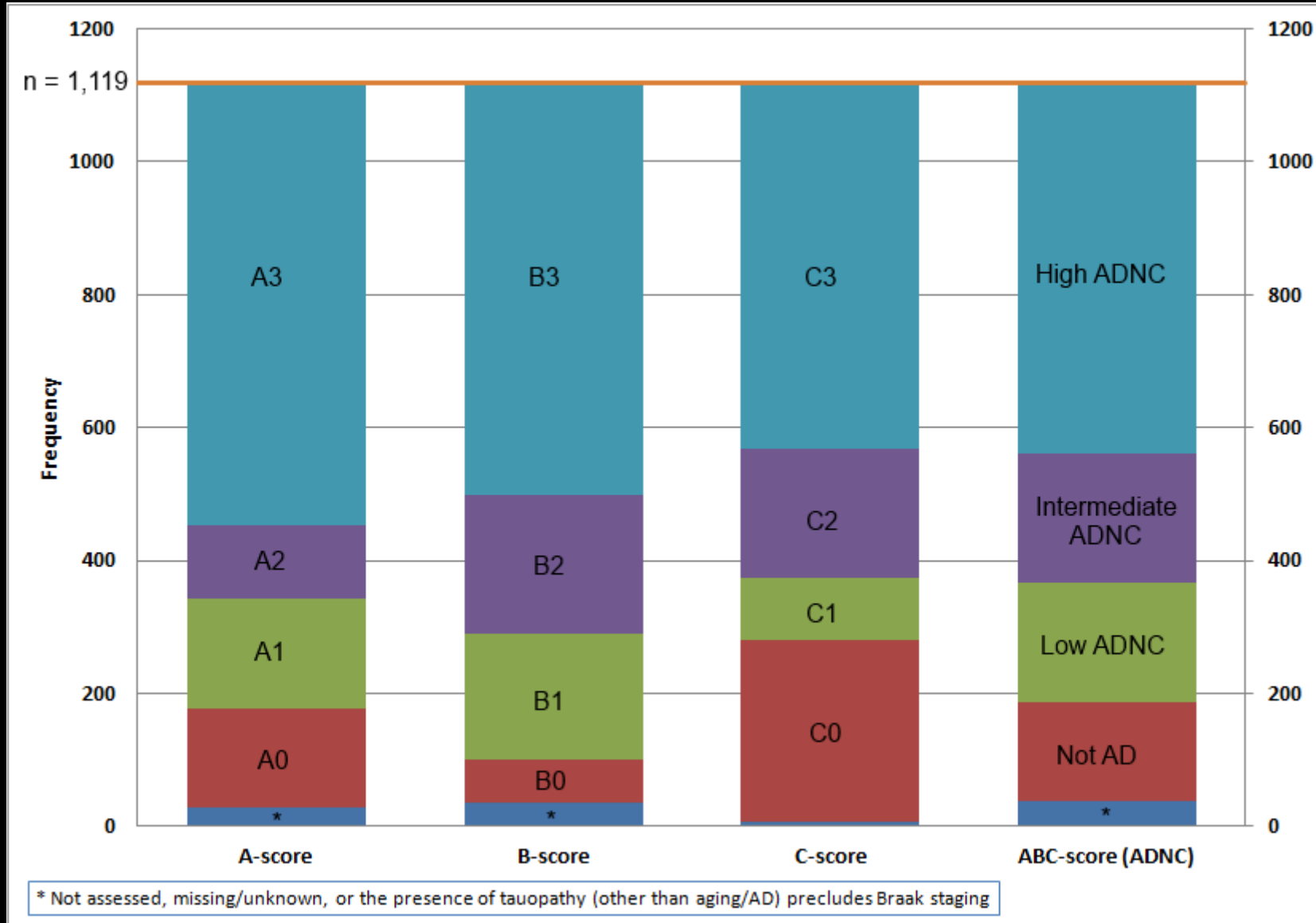
**UDS reflects ADC enrollment September 2005 – present



NP v10 ABC scores for UDS subjects

Cognitive level at the most recent UDS visit:

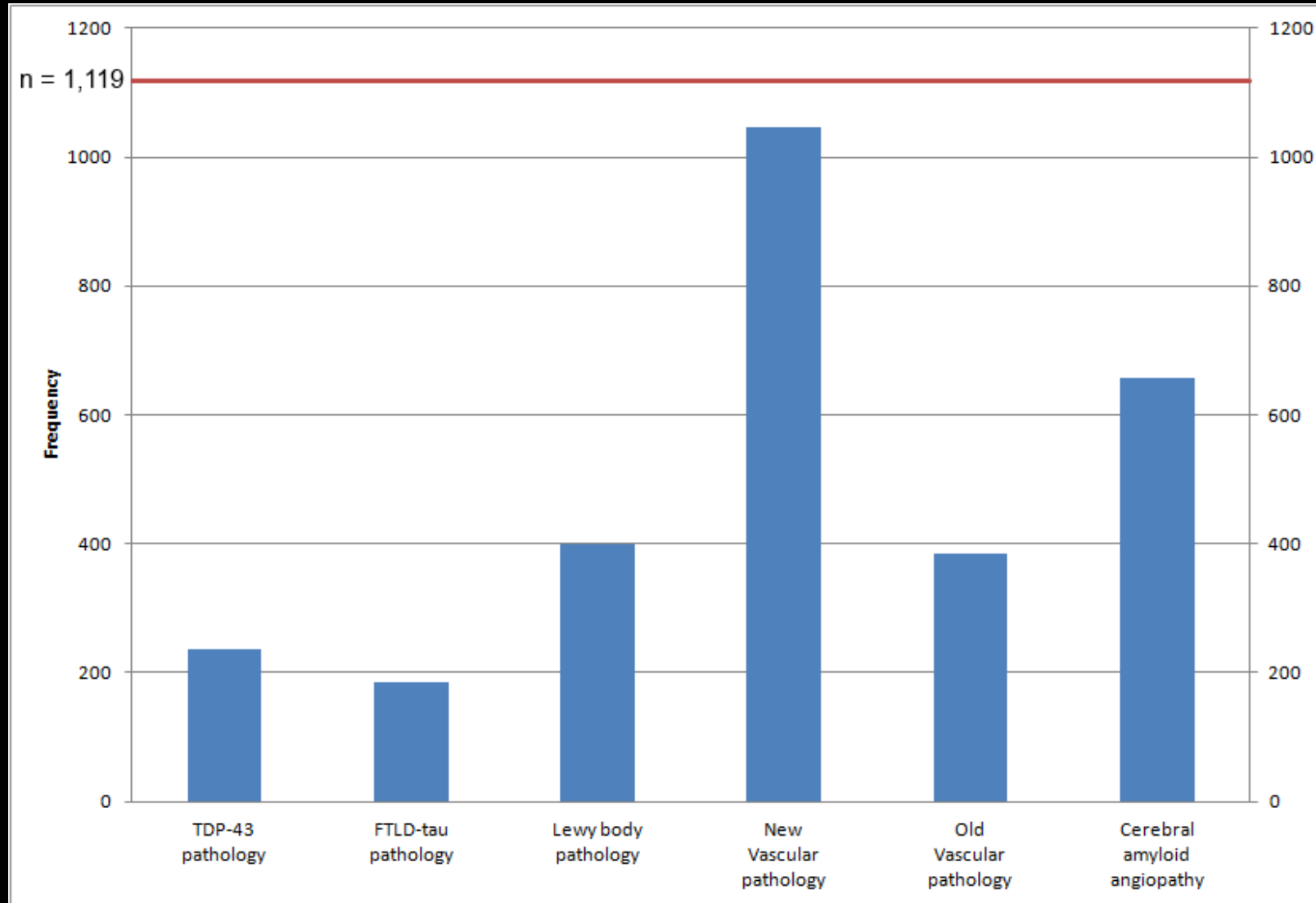
normal cognition = 109, MCI = 86, Dementia = 910, Impaired not MCI = 14



NP v10 Features for UDS subjects

Cognitive level at the most recent UDS visit:

normal cognition = 109, MCI = 86, Dementia = 910, Impaired not MCI = 14



NP v10 Feature definitions

New vascular pathology	Question Number	Answer
Arteriolosclerosis	12e	mild, moderate, or severe
White matter rarefaction	12f	mild, moderate, or severe
Other pathologic changes related to ischemic or vascular disease not previously specified	12g	yes
Atherosclerosis (of the circle of Willis)	9c6	mild, moderate, or severe

NP v10 Feature definitions

Old vascular pathology	Question Number	Answer
Old infarcts observed grossly, including lacunes	12a	Yes
Single or multiple old hemorrhages observed grossly	12b	Yes
Old microinfarcts	12c	Yes
Old cerebral microbleeds	12d	Yes

NP v10 Feature definitions

TDP-43 pathology	Question Number	Answer
FTLD with TDP-43 pathology (FTLD-TDP)	17c	Yes
ALS/motor neuron disease	17d	Yes, with TDP-43 inclusions in motor neurons
Distribution of TDP-43 immunoreactive inclusions Spinal cord, Amygdala, Hippocampus, Entorhinal/inferior temporal cortex, Neocortex	16a-e	Yes

NP v10 Feature definitions

FTLD-tau pathology	Question Number	Answer
FTLD with tau pathology or other tauopathy	17a	Yes
Lewy body pathology	Question Number	Answer
Is there evidence of Lewy body pathology	13	Brainstem predominant, Limbic (transitional), Neocortical (diffuse), Amygdala predominant, Olfactory bulb
Cerebral amyloid angiopathy	Question Number	Answer
Cerebral amyloid angiopathy	11e2	Mild, moderate, or severe