

SUPPLEMENTAL TABLE 1

Primary neurological exam findings on patients who had died prior to the time of the second assessment

Acute disease	Demographics	Comorbid conditions	Primary exam: Years Postinfection	Primary exam: Abnormal neurological findings
WNM	65-year-old male, Caucasian	Hypertension	3.8	Tremor in left hand
WNE	78-year-old male, Caucasian	Hypertension Diabetes	2.2	Abnormal hearing on left ear Abnormal pinprick and vibratory sensation Abnormal Romberg Symmetric decreased reflexes Abnormal tandem gait
WNE	86-year-old female, Caucasian	Hypertension Stroke	3	Abnormal hearing Abnormal vibratory sensation Abnormal Romberg Symmetric, decreased reflexes
WNE	74-year-old male, Caucasian	Hypertension Stroke	3.1	Hearing loss prior to WNV Right leg weakness Abnormal tandem gait
WNE	74-year-old male, Caucasian	Hypertension Diabetes	3.1	Hearing loss prior to WNV Bilateral 5th digit contracture Abnormal Romberg Symmetric decreased reflexes Abnormal heel walk Abnormal toe walk Wide-based gait Abnormal tandem gait
WNE	45-year-old male, Caucasian	Hypertension ETOH	3.5	Symmetric increased reflexes Tremor Clonus present Abnormal gait Abnormal heel walk Abnormal toe walk Abnormal tandem gait
WNE	70-year-old male, Caucasian	Hypertension Stroke Diabetes	3.4	Hearing loss prior to WNV Abnormal pinprick and vibratory sensation Abnormal Romberg Abnormal gait Abnormal heel walk Abnormal toe walk Abnormal tandem gait Abnormal heel to shin
WNE	73-year-old male, Caucasian	Hypertension Stroke	2.8	Left arm weakness Abnormal tandem gait
WNE	77-year-old male, Caucasian	None	1.8	Right pupil nonreactive since birth Left ankle weakness Tremor Abnormal Romberg Abnormal gait Abnormal heel walk Abnormal toe walk Abnormal tandem gait Abnormal heel to shin
WNE	55-year-old female, African American	Hypertension Diabetes Cataracts	1.1	Lethargic Abnormal vision Right leg weakness Tremor Abnormal vibratory sensation Abnormal gait Abnormal heel walk Abnormal toe walk Abnormal tandem gait
WNE	79-year-old male, Caucasian	None	3.4	Hearing loss in left ear Abnormal light touch, pinprick, and vibratory sensation Abnormal tandem gait
WNE	68-year-old male, Caucasian	Hypertension Stroke	0.8	Bilateral nystagmus Decreased reflexes on left Achilles, increased symmetric reflexes biceps Abnormal tandem gait

ETOH = chronic alcohol use; WNF = West Nile fever; WNE = West Nile encephalitis; WNM = West Nile meningitis.

SUPPLEMENTAL TABLE 2

Neurological abnormalities observed during both primary and secondary assessments among participants in the Houston West Nile Virus cohort

Acute disease	Demographics	Comorbid conditions	First exam: Years postinfection	First exam: Abnormal neurological findings	Second exam: Years Postinfection	Second exam: Abnormal neurological findings
WNF	75-year-old female, Caucasian	None	3.0	Abnormal hearing, unknown date of onset Abnormal tandem gait	11.2	Nonambulatory, nonverbal, aphasic, unresponsive to commands, severe contractions of all extremities with increased tone
WNF	52-year-old male, Caucasian	None	1.1	Normal exam	8.3	Abnormal pinprick sensation Left finger weakness Abnormal tandem gait
WNF	17-year-old female, Caucasian	None	1.9	Normal exam	9.3	Abnormal pinprick sensation
WNF	50-year-old female, Caucasian	Hepatitis B	0.9	Right arm weakness Abnormal Romberg Abnormal heel walk Abnormal toe walk Abnormal tandem gait	8.3	Abnormal pinprick sensation Abnormal Romberg Abnormal heel walk Abnormal toe walk Abnormal tandem gait
WNM	58-year-old female, African American	Hypertension Diabetes	3.3	Abnormal sensation to pinprick Abnormal vibratory sensation Abnormal tandem gait	9.8	Abnormal sensation to pinprick Abnormal vibratory sensation Abnormal tandem gait
WNM	48-year-old male, Caucasian	ETOH Hepatitis C	3.1	Abnormal hearing prior to WNV Abnormal tandem gait	10.2	Abnormal hearing Abnormal pinprick sensation bilateral lower extremities Bilateral lower extremity weakness Abnormal tandem gait
WNM	49-year-old male, Caucasian	None	2.3	Normal exam	8.9	Abnormal pinprick sensation bilateral lower extremities
WNE	78-year-old male, Caucasian	Hypertension	0.8	Abnormal hearing prior to WNV Abnormal tandem gait	8.0	Abnormal hearing Symmetric decreased reflexes in upper and lower extremities Abnormal tandem gait
WNE	76-year-old female, Caucasian	Hypertension Diabetes	3.1	Abnormal hearing prior to WNV Abnormal tandem gait	10.4	Abnormal hearing prior to WNV Abnormal tandem gait
WNE	60-year-old male, Caucasian	Hypertension CVA ETOH	3.0	Symmetric decreased reflexes in lower extremities	10.4	Symmetric decreased reflexes in upper extremities and decreased reflexes in left lower extremity
WNE	64-year-old male, Caucasian	Hypertension ETOH	2.9	Abnormal hearing prior to WNV Fine tremor	10.8	Abnormal hearing prior to WNV Fine tremor
WNE	49-year-old male, Caucasian	None	1.8	Left upper extremity weakness Symmetric decreased reflexes	9.3	Left upper extremity weakness Symmetric decreased reflexes Left upper extremity tremor
WNE	68-year-old male, Caucasian	Hypertension	3.2	Abnormal hearing Abnormal tandem gait Fine tremor	10.9	Abnormal hearing Symmetric decreased strength Tremor resolved Abnormal tandem gait
WNE	70-year-old male, Caucasian	Hypertension CVA	3.1	Left ankle weakness Decreased right quadriceps and increased left quadriceps reflexes Abnormal Babinski Abnormal Romberg Abnormal heel walk Abnormal tandem gait	10.5	Decreased right quadriceps and increased left quadriceps reflexes Abnormal Babinski Abnormal Romberg Abnormal heel walk Abnormal tandem gait
WNE	51-year-old male, Hispanic	Diabetes	2.9	Decreased reflexes on right upper extremity, bilateral lower extremities Abnormal tandem gait	10.3	Symmetric decreased upper extremity reflexes Abnormal tandem gait
WNE	72-year-old male, Caucasian	Hypertension Diabetes	2.8	Tongue deviation to right Abnormal hearing Abnormal vibratory sensation Abnormal heel walk Abnormal toe walk Abnormal tandem gait	10.6	Tongue deviation resolved Abnormal hearing Abnormal heel walk Abnormal toe walk Abnormal tandem gait
WNE	67-year-old female, Caucasian	CVA	2.3	Right upper extremity weakness	9.0	Right upper extremity and left hand weakness Decreased right bicep, brachioradialis, tricep reflexes, and decreased left tricep reflex

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