

Amyloidosis Research Consortium

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INTRODUCTION / OBJECTIVES

- Transthyretin amyloidosis (ATTR) is a progressive, multisystem disease caused by gene variants (ATTRv) or age-related wild-type transthyretin (ATTRwt) amyloidosis.
- Patients are benefitting from recent advances in treatment and increased disease awareness; however, their diagnostic journey is often lengthy and challenging.
- This analysis examined the diagnostic journey of patients recently diagnosed with ATTR amyloidosis in a cross-sectional study.

MATERIAL / METHODS

- In 2022 and 2023, the Amyloidosis Research Consortium (ARC) conducted multi-country online surveys of amyloidosis patients.
- Data collected included demographic, clinical characteristics, symptoms, and diagnostic journey.
- Patients were categorized as newly diagnosed with ATTRv or ATTRwt if they reported receiving a diagnosis between January 2021 – May 2022 in the 2022 survey or between June 2022 – November 2023 in the 2023 survey.

RESULTS

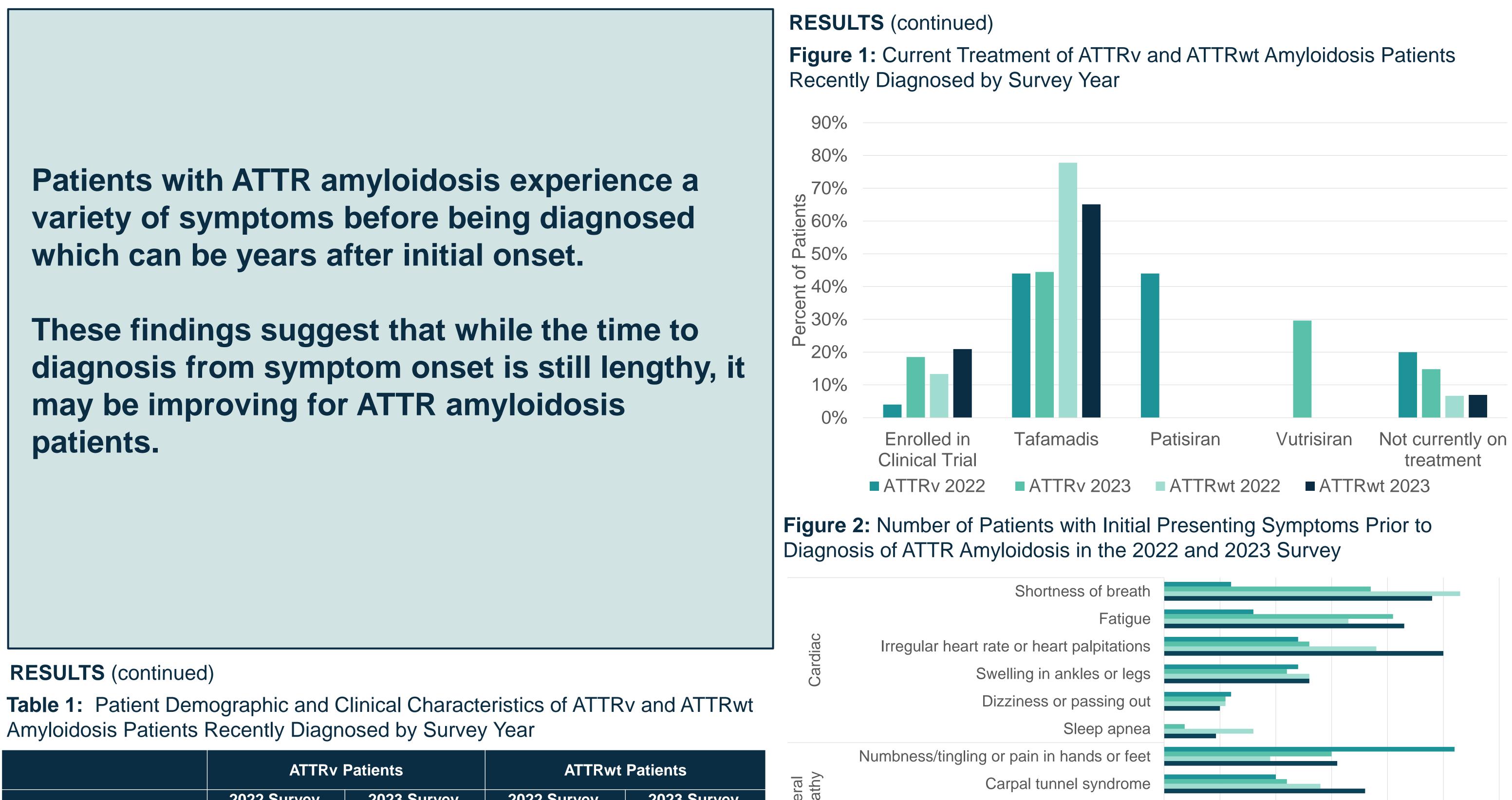
- Of the 1025 total respondents with ATTR amyloidosis, 228 (22%) were recently diagnosed (115 and 113 patients in the 2022 and 2023 surveys, respectively).
- Of those, 176 (77%) were diagnosed with ATTRwt amyloidosis and 52 (23%) with ATTRv amyloidosis. (Table 1).
- Mean (Standard Deviation [SD]) time from symptom onset to ATTRv amyloidosis diagnosis was 3.3 (3.2) and 2.2 (3.2) years in the 2022 cohort and 2023 cohort, respectively.
- Following a similar trend, the mean (SD) time from symptom onset to ATTRwt amyloidosis diagnosis was 3.3 (6.6) and 2.4 (3.4) years in the 2022 cohort and 2023 cohort, respectively.
- Less than 10% of ATTRwt patients in both 2022 and 2023 surveys were not currently on amyloidosis treatment (Figure 1).
- The majority of ATTRv patients were also on treatment; 5 (20%) and 4 (15%) patients were not currently on treatment in 2022 and 2023, respectively.
- Among ATTRwt patients, the most common cardiac symptoms appearing prior to diagnosis were fatigue, shortness of breath and irregular heart rate or heart palpitations in 2022 and 2023 (Figure 2).
- Lower back pain (spinal stenosis) appeared prior to diagnosis in 20 (13%) and 28 (21%) ATTRwt patients in 2022 and 2023, respectively.
- Over half of ATTRv patients, 13 (52%) reported numbness/tingling or pain in hands or feet prior to diagnosis in the 2022 survey; in 2023, it was reported among 8 (30%) of patients prior to diagnosis.
- The second most common initial symptom prior to diagnosis of ATTRv amyloidosis was fatigue and was reported in 4 (16%) and 11 (41%) patients with ATTRv amyloidosis in 2022 and 2023, respectively.

Patient-reported Diagnostic Journey of Patients Recently Diagnosed with Transthyretin Amyloidosis: Data from the Amyloidosis Research Consortium's 2022 and 2023 Amyloidosis Community Surveys

patients.

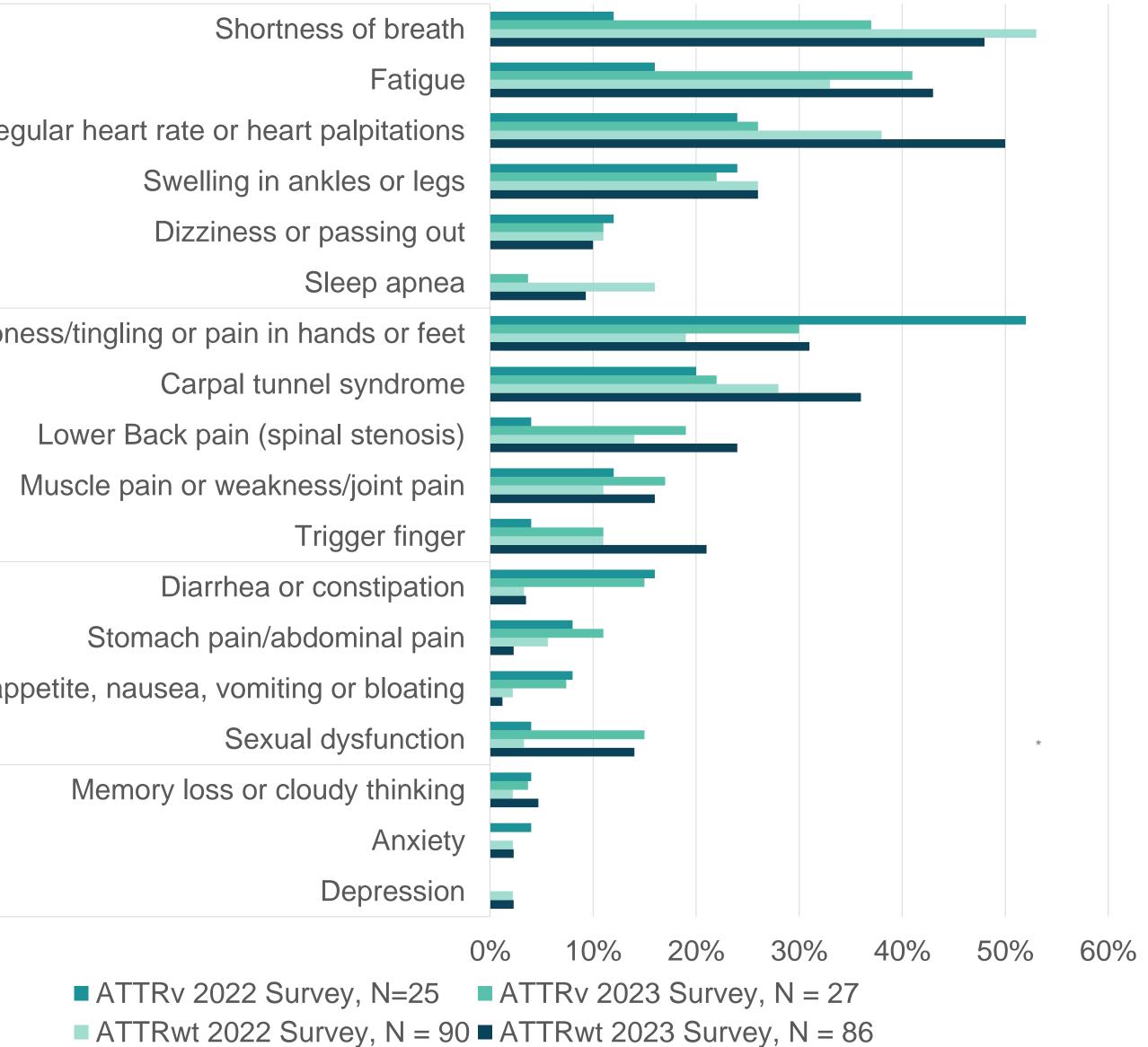
RESULTS (continued)

	yioluosis ralients Necentry Diagnosed by Survey Tear				
	ATTRv Patients		ATTRwt Patients		Numbre
	2022 Survey, N = 25	2023 Survey, N = 27	2022 Survey , N = 90	2023 Survey , N = 86	Peripheral Neuropathy
Region					Per
Africa	0 (0%)	0 (0%)	0 (0%)	1 (1.2%)	
Asia-Pacific	1 (4.0%)	4 (15%)	2 (2.2%)	2 (2.3%)	
Europe	6 (24%)	2 (7.4%)	2 (2.2%)	3 (3.5%)	Authonomic Neuropathy Toss of abb
North America	18 (72%)	20 (74%)	86 (96%)	80 (93%)	
South America	0 (0%)	1 (3.7%)	0 (0%)	0 (0%)	
Live in United States	18 (72%)	19 (70%)	83 (92%)	79 (92%)	
Gender (Male)	12 (48%)	15 (56%)	82 (92%)	78 (91%)	
Age, mean (SD)	67.92 (9.92)	62.44 (11.97)	77.68 (8.10)	76.12 (7.36)	(0
White Race	22 (88%)	21 (78%)	87 (97%)	85 (99%)	Other
College Education	19 (76%)	15 (56%)	75 (83%)	71 (83%)	
Retired	14 (56%)	15 (56%)	74 (82%)	65 (76%)	Othe Sympto
Time from Symptom Onset to Diagnosis, mean (SD)	3.27 (3.19)	2.21 (3.16)	3.31 (6.57)	2.41 (3.40)	Ю́
Heart Impacted by Amyloidosis	18 (72%)	22 (81%)	84 (93%)	78 (91%)	
Nervous System Impacted by Amyloidosis	19 (76%)	21 (78%)	21 (23%)	29 (34%)	
Gastrointestinal System Impacted by Amyloidosis	7 (28%)	13 (48%)	8 (8.9%)	11 (13%)	SUMMAR
TTR Genetic Variant					
T60A	4 (17%)	11 (42%)	-	-	 Further s
V30M	7 (29%)	1 (3.8%)	-	-	disease a
V122I	3 (13%)	2 (7.7%)	-	-	
Not sure	6 (25%)	4 (15%)	-	-	intervent
Not typed	0 (0%)	1 (3.8%)	-	-	
Other	4 (17%)	7 (27%)	-	-	



RY / CONCLUSION





studies are needed to evaluate the impact of increased awareness on earlier diagnosis and treatment tions on patient outcomes.