

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

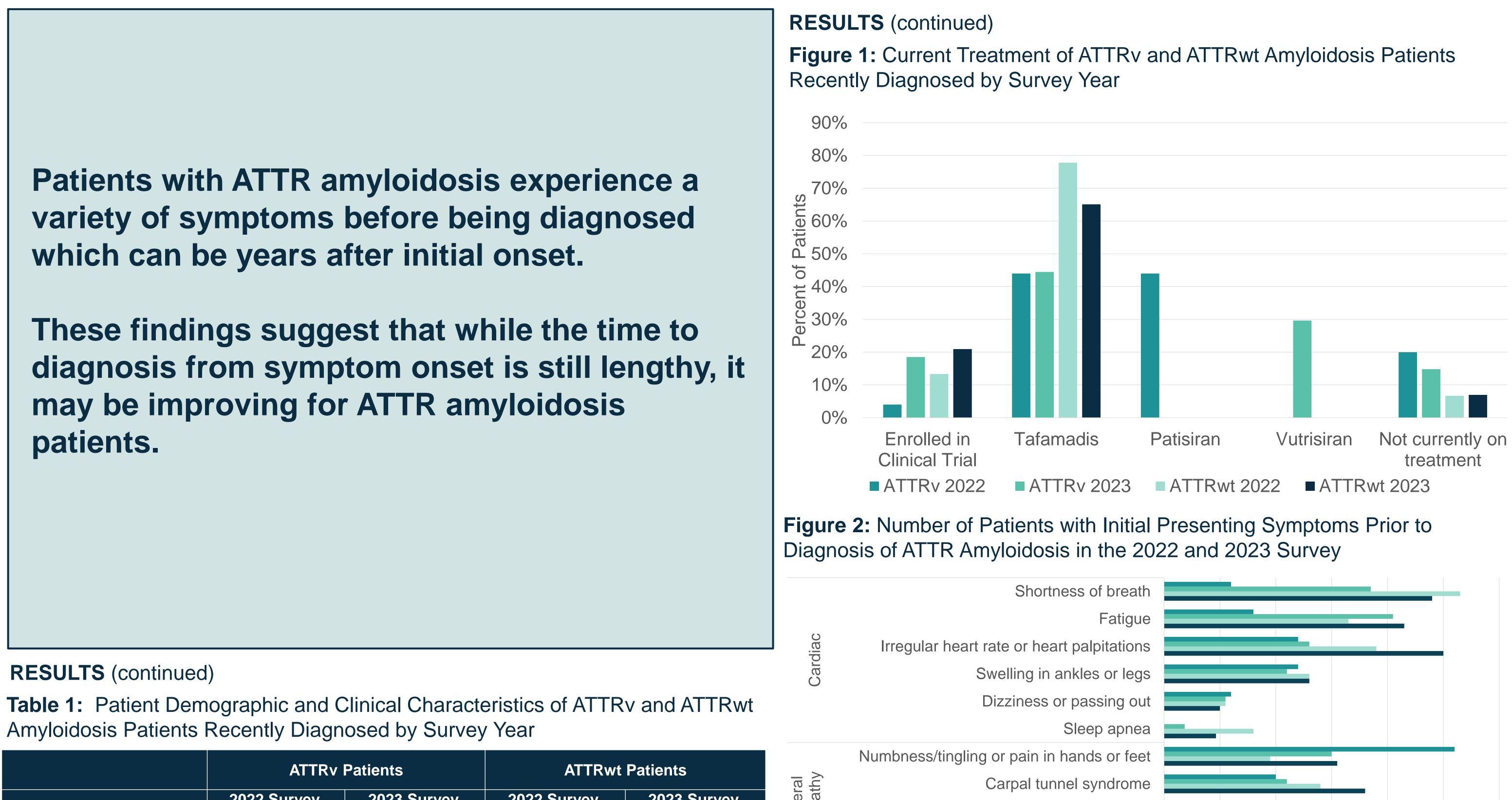
- Of the 1025 total respondents with ATTR amyloidosis, 228 (22%) were recently diagnosed (115 and 113 patients in the 2022 and 2023 surveys, respectively).
- Of those, 176 (77%) were diagnosed with ATTRwt amyloidosis and 52 (23%) with ATTRv amyloidosis. (Table 1).
- Mean (Standard Deviation [SD]) time 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.

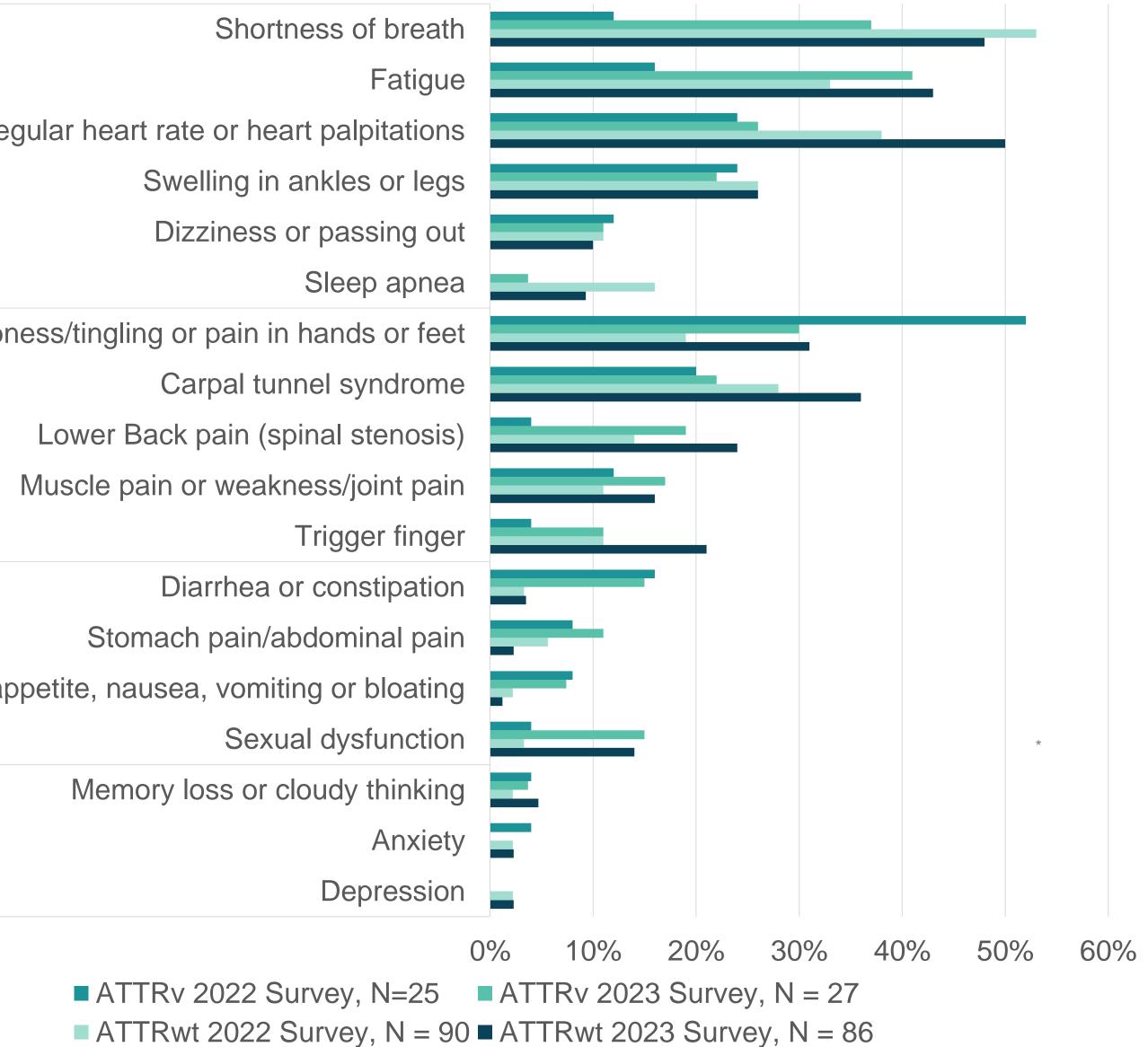
**RESULTS** (continued)

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



# **RY / CONCLUSION**





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