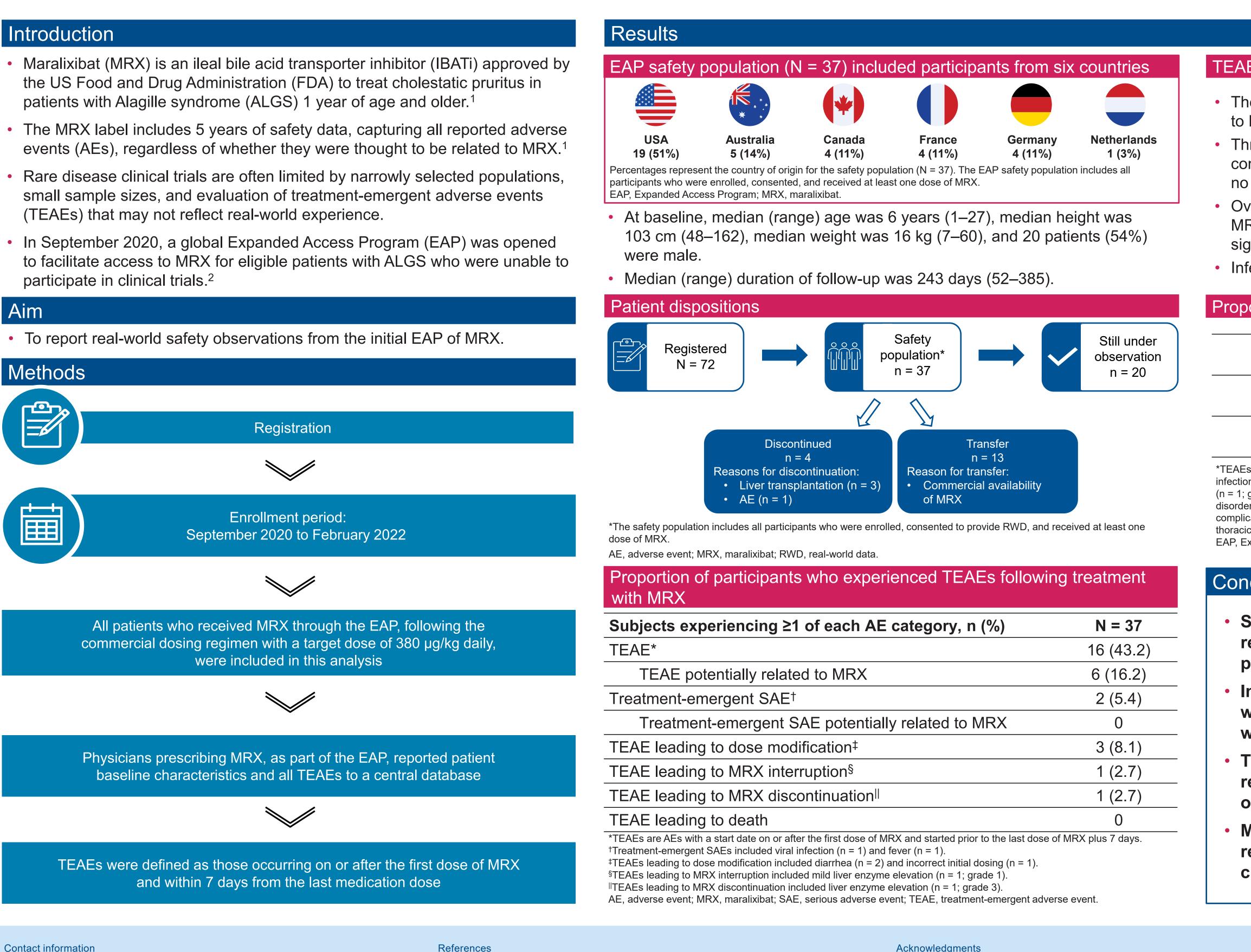
# Real-world safety experience in patients with Alagille syndrome treated with maralixibat

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- the US Food and Drug Administration (FDA) to treat cholestatic pruritus in patients with Alagille syndrome (ALGS) 1 year of age and older.
- events (AEs), regardless of whether they were thought to be related to MRX.<sup>1</sup>
- Rare disease clinical trials are often limited by narrowly selected populations, small sample sizes, and evaluation of treatment-emergent adverse events (TEAEs) that may not reflect real-world experience.
- participate in clinical trials.<sup>2</sup>



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1. Mirum Pharmaceuticals, Inc. LIVMARLI<sup>®</sup> (maralixibat). Prescribing Information. Accessed online at: https://www.accessdata.fda.gov/drugsatfda\_docs/label/2022/214662s001lbl.pdf on October 6, 2022

2. ClinicalTrials.gov ID: NCT04530994. Accessed online at: https://clinicaltrials.gov/ct2/show/NCT04530994 on

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### TEAEs in the EAP

• The majority of TEAEs observed were mild in severity and not related to MRX.

• Three patients (8.1%) experienced gastrointestinal (GI) TEAEs that were considered possibly related to MRX. All were mild in severity, and there were no dose interruptions or discontinuations.

Overall, there was only one treatment discontinuation possibly related to MRX due to transaminase elevation (grade 3) of unknown clinical significance.

Infections and other TEAEs were not considered related to MRX treatment.\*

### Proportion of participants in the EAP with drug-related TEAEs

System Organ Class	n (%)
GI Disorders	3 (8.1)
Liver Test Abnormalities	3 (8.1)

\*TEAEs unrelated to MRX: infections of any attribution included; COVID-19 (n = 2), otitis media (n = 2), Coxsackie viral infection (n = 1), acute otitis media (n = 1), respiratory tract infection (n = 1), urinary tract infection (n = 1), and viral infection  $(n = 1; grade \geq 3)$ . Other TEAEs, all unrelated to MRX, were reported in the following system organ classes: general disorders and administration-site conditions (n = 3; including one case of grade  $\geq$ 3 pyrexia); injury, poisoning, and procedural complications (n = 1); musculoskeletal and connective tissue disorders (n = 1); psychiatric disorders (n = 2); and respiratory, thoracic, and mediastinal disorders (n = 2).

EAP, Expanded Access Program; GI, gastrointestinal; MRX, maralixibat; TEAE, treatment-emergent adverse event.

## Conclusions

Safety and tolerability experience in a real-world setting is representative of real-life clinical practice and is important for prescribing physicians.

• In this real-world analysis of MRX, treatment-related GI AEs were mild and observed in only three patients (8.1%). There were no discontinuations due to GI AEs.

There were no serious AEs related to the use of MRX, and no reports of GI bleeding, fat-soluble vitamin deficiency events, or fractures.

MRX appears to be well tolerated in patients with ALGS in the real-world setting, with a lower rate of AEs than described in clinical trials.<sup>1</sup>

### Disclosures

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