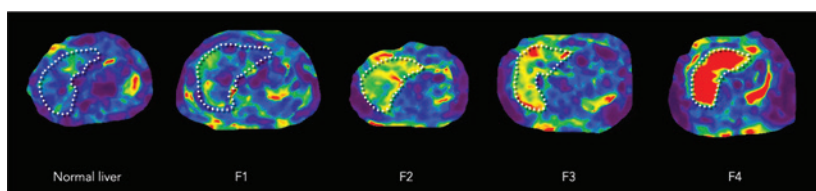


How to get MRE.

Obtaining MR Elastography for clinical practice.

Thank you for considering MRE for your Radiology practice or imaging center.

Resoundant, Inc. was founded by Mayo Clinic and is the developer and manufacturer of Magnetic Resonance Elastography (MRE), a rapid technique that allows for a non-invasive assessment of differences in tissue stiffness of the liver in a single breathhold scan. Image processing is fully integrated at the scanner with automated and quantitative calculation of Elastograms (in kPa).



MRE elastograms for liver fibrosis assessment; fibrosis stages depicted.

Though Resoundant is the developer of MRE, it does not sell MRE hardware and software directly. Instead, the software and hardware needed for MRE is available as an upgrade for nearly all 1.5T or 3T MRI systems from GE Healthcare, Philips Healthcare or Siemens Healthineers.

To obtain MRE at your practice:



contact your MR scanner account representative (GE, Philips or Siemens) and ask for a quote for MRE.



purchase and arrange for installation and training from your scanner provider.

More information from each partner can be found here:

GE Healthcare



<https://www.gehealthcare.com/en/products/magnetic-resonance-imaging/mr-applications/mr-touch---body>

PHILIPS

<https://www.philips.com/eg/healthcare/product/HCNMRB870/mr-elastography-mr-clinical-application>

SIEMENS
Healthineers

<https://www.healthcare.siemens.com/magnetic-resonance-imaging/options-and-upgrades/clinical-applications/mr-elastography>

Reimbursement

The prevalence of liver disease, particularly non-alcoholic fatty liver disease (NAFLD) and non-alcoholic steatohepatitis (NASH), is rising at an alarming rate. In the U.S. alone, there are an estimated 85 million people with NAFLD/NASH, with researchers projecting that figure to surpass 100 million by 2030.

NAFLD and NASH stand to be the number one driver of liver fibrosis, which referring clinicians will need to assess and stage in order to determine a treatment plan. Due to MRE's superlative accuracy and ability to obtain a liver stiffness measurement in obese patients (the leading co-morbidity in NAFLD/NASH patients), MRE has become a leading tool for fibrosis assessment - replacing liver biopsy in many cases.

Due to this increased clinical use of MRE, a new Category I CPT® code was created for MRE in 2019 (PC: 1.1 RVU; PE: 5.5 RVU). This new code is applicable to standalone MRE exams or as an add on for a full abdominal MR workup (w or wo contrast).

Given the large patient demand, referrer clinical guidelines, and a pathway for reimbursement, MRE can add both clinical and practice value.



76391

New CPT code for 2019



\$240

Medicare
reimbursement level



8 minutes

Average exam time

Recommended in current clinical guidelines.

Due to MRE's high performance and broad applicability for nearly all patients, a number of leading professional societies from multiple disciplines have issued consensus endorsements and clinical guidance that call for MRE.



"In adults with NAFLD and a higher risk of cirrhosis, MRE is suggested, rather than VCTE, for detection of cirrhosis"

American Gastroenterological Association Institute Guideline on the Role of Elastography in the Evaluation of Liver Fibrosis (2017)



"MRE is excellent for identifying varying degrees of fibrosis in patients with NAFLD."

The Diagnosis and Management of Nonalcoholic Fatty Liver Disease: Practice Guidance From the American Association for the Study of Liver Diseases (2017)



"MR elastography is the most accurate method for diagnosing liver fibrosis non-invasively because it assesses the whole liver and can stage liver fibrosis."

American College of Radiology Appropriateness Criteria®: Chronic Liver Disease (2017)