

A browser workspace for medical image segmentation.

Run pretrained models on hosted GPUs, edit and measure the masks, and train your own. **Free for research.** Nothing to install.



60+ articles

cite our legacy web editor
at medseg.ai

500+ references

to the datasets we created

**Built by
radiologists**

in research since 2019

HOW IT WORKS

Open a scan, pick a model, get an editable mask.

It all runs in the browser at app.medseg.ai. Open a CT or MRI - upload your own, or copy a public case - and pick a model. It runs on a hosted GPU and the result comes back in the same window, as a mask you can edit.

1

Open a case

Upload DICOM or NIfTI, or copy a public case. No setup.

2

Run a model

Pick from the Models menu. It queues on a hosted GPU.

3

Edit and export

Correct the mask, measure it, export NIfTI or DICOM.

Most models finish in **seconds to a few minutes**. The editor loads the whole volume in the browser, so once it is open, editing is local with no round-trips.

WHAT YOU CAN RUN

Fourteen pretrained models, grouped by what they do.

WHOLE BODY

TotalSegmentator

117 structures on CT, 50 on MR, + 20 sub-tasks. **~2-4 min**

MRSegmentator

40 organs across body MRI. **~3-4 min**

BRAIN & HEAD

FastSurfer

Cortical + subcortical parcellation

MindGlide

19 structures + MS lesions. **~1 min**

SIAM

Contrast-agnostic head/brain tissue

EPILEPSY WORK-UP

MELD Graph · AID-HS

Focal cortical dysplasia, hippocampal sclerosis

deepFCD · nnUNet-FCD

Two more FCD detectors to compare

STROKE, BODY, BONE

Viola-Unet

5 hemorrhage subtypes + volumes. **~15-20 s**

BodySegAI

Muscle & fat at L3. **~30 s**

TissUNet

Skull & scalp from a plain T1

PROMPTABLE, AND YOUR OWN

VoxTell · nnInteractive

Segment a target no fixed model covers, by text or by clicks

Train your own nnU-Net

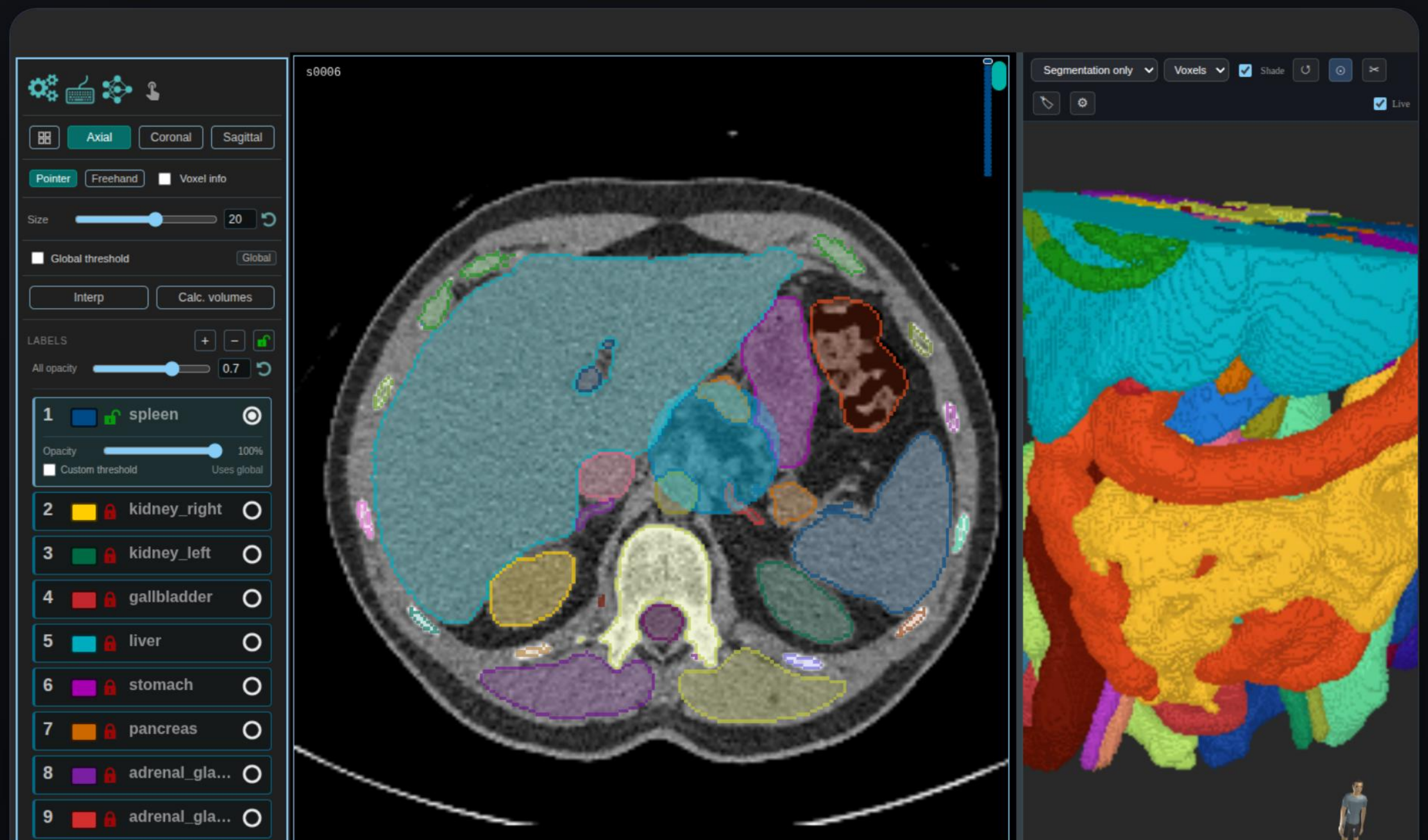
From your corrected masks - then run it across the cohort

One model, many sub-models.

The whole-body task labels **117 structures on CT** and **50 on MR** in one pass. Under it sit about **20 focused sub-tasks**, each a separately trained model.

25 vertebrae	24 ribs	18 heart & vessels	16 organs & glands
14 bones	10 muscles	5 lung lobes	5 GI & airway

Sub-tasks include **Couinaud liver segments, liver lesions, lung vessels and nodules, head and neck muscles, abdominal muscles, craniofacial structures, and kidney cysts.**



Type the target, or guide it with clicks.

VoxTell

Type the structure.

Write what you want and it returns a labeled 3D mask. Works on CT, MRI and PET. Each prompt becomes its own label. Runs from the project view.

For example

splenic vein

left adrenal gland

nnInteractive

Guide it with clicks.

Drop a point, a box, a scribble or a freehand outline - positive or negative - and it proposes a full 3D object. Runs inside the editor.

Clicks · scribbles · boxes · freehand

For a target a fixed model class does not cover, these are the fastest route. Treat the result as a candidate and correct it before using it.

Model output is not final. It opens as an editable mask.

Every result becomes a normal MedSeg mask. Turn labels on and off, lock the ones you have finished, correct errors by hand, and read volumes in mL and areas in mm² - in axial, coronal, sagittal, or 3D.

Brush & **Freehand**

HU-threshold paint

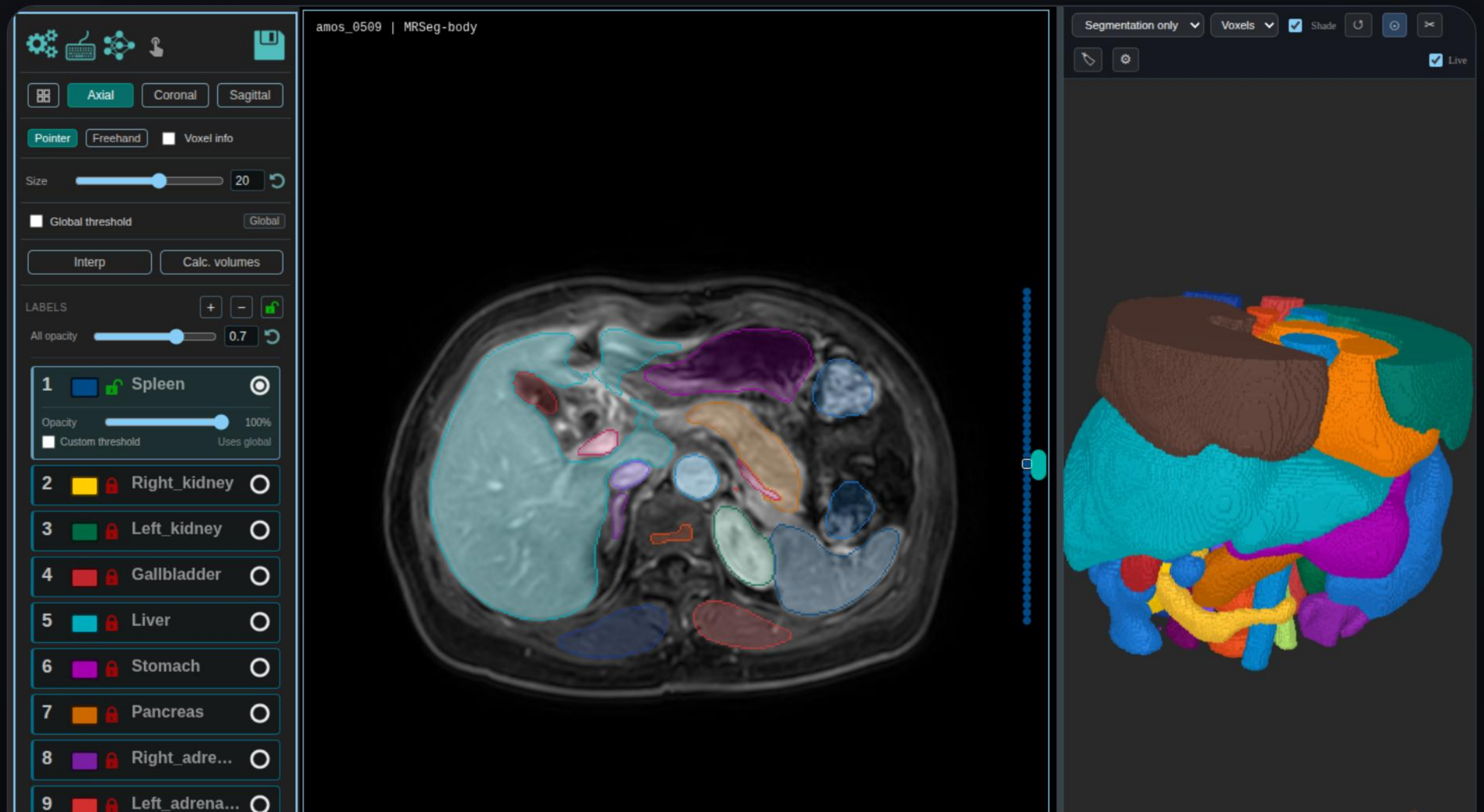
2D / 3D island fill

Interpolate between slices

Window presets on number keys

Axial / coronal / sagittal **MPR**

Per-label **mL / mm²**



Merge, relabel, export.

Merge masks

Combine segmentations from different models or runs into one, and compare outputs in the same project.

Label editor

Rename, recolour, lock, add or delete labels. Names and colours carry through to export.

Export

NIfTI for Python, nnU-Net and MONAI; or DICOM - grayscale, RGB overlay, DICOM SEG, and a PDF volume report.

The screenshot displays the MedSeg web interface. At the top, there's a navigation bar with 'Upload', 'Datasets', 'Models', 'Account', and 'Logout'. Below this is a table of datasets:

Name	Description	Slices	Seg	Status	Added	Modified
HCC_001_c-a-p_acq-1	C-A-P [acq-1]	30	TS-total	Added	2026-06-19 11:23:52	14m ago

An 'Export Mask to DICOM' dialog box is open in the center. It contains the following options:

- Grayscale series**
One .dcm per slice, mask values as integers. Universal compatibility — works in every PACS. Distinct labels share a gray ramp.
- Color overlay (RGB)**
Per-label colors from metadata.json, alpha-blended onto the windowed source image. Best for many-label visualisation; opacity is locked at export time.
 - Burn per-label volume labels at lesion centroids (auto-skipped past 12 labels)
- DICOM Segmentation (SEG)**
Standards-compliant segmentation IOD; segment colors and names native, opacity user-controlled in the PACS. Bundles a synthesized source image series so the overlay has something to register to (~30-150 MB extra).
- Volume report (PDF)**
Per-label volume table wrapped as an encapsulated PDF DICOM. Useful for quick volume reference at the workstation.

Buttons for 'Download .zip' and 'Cancel' are at the bottom of the dialog.

On the right, a medical image viewer shows a CT scan slice with a blue segmentation overlay. Below the main image are two smaller thumbnails. A metadata panel on the right shows details for 'HCC_001_c-a-p_acq-1 — TS-total':

- Series: C-A-P [acq-1]
- Study: CT-C/A/P W/WO CON
- Patient ID: HCC_001
- Size: 512 × 512 × 30
- Voxel: 0.78 × 0.78 × 5.00 mm

At the bottom of the interface, there are status indicators: '1 series 1 segmented', 'Train Infer', and '1 selected'.

Share a project, control who can do what.

Invite people by email as **viewer, editor, or admin**. They open the same project - images, masks, models, and measurements - at the access you set. Or hand out a link with a role and an expiry for quick review.

Members & sharing — demo

You're owner

INVITE A COLLABORATOR

Editor ▼ Send

MEMBERS

You owner	Owner
a.berg@hospital.example Editor	editor ▼ ×
r.fellow@uni.example Viewer	viewer ▼ ×

PENDING INVITES

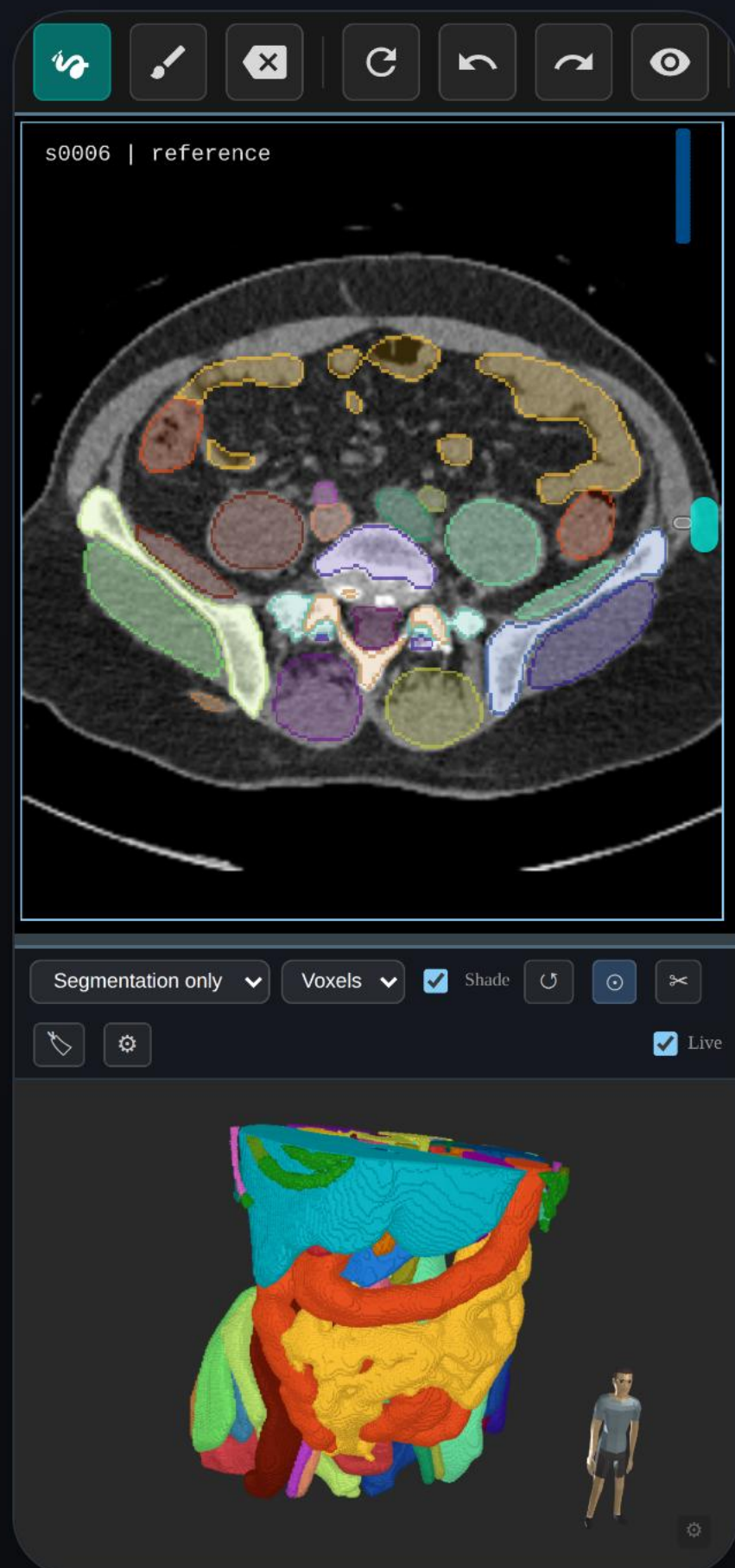
new.collaborator@lab.example invited as editor	Pending ×
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SHARE LINKS

Viewer ▼ No expiry ▼ Create link

<input type="text" value="app.medseg.ai/invite/k7Qx2v..."/>	viewer	7 days	×
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Desktop, phone, and headset.



Phone and tablet

The editor is responsive, with a touch toolbar. Scroll slices, window, and review masks on a phone or tablet - the same workspace, nothing to install.

VR and AR headsets

Open a segmentation in immersive VR or AR through **WebXR** on **Meta Quest** and **Apple Vision Pro** - hand-tracked, for 3D review and planning.

Phone-based VR is not supported.

Built for keyboard-driven work.

Windowing sits on the number keys. Rebind any shortcut, save up to three profiles, and they follow you across machines - Ctrl on a PC, Cmd on a Mac.

MOUSE

Paint L click

Erase R click

Scroll slices wheel

Window level / width mid-drag

Zoom Ctrl+wheel

DRAWING

Next / prev label e / q

Threshold paint t

Fill island 2D / 3D < / >

Isolate 3D island *

Undo / redo Ctrl+z / y

CT WINDOW PRESETS, ON THE NUMBER KEYS

1 Mediastinum 2 Brain 3 Lungs 4 Soft tissue 5 Bone

6 Auto / slice 7 Auto / ROI



FREE FOR RESEARCH

Open a case and try it.

Copy a public CT or MRI, run any model, then edit and measure the mask - no signup needed to look around.

15 public datasets · 10,000+ cases

5,000+ come with reference masks. Open one and run any model - no account needed.

TotalSegmentator · AMOS · ReMIND · LIDC-IDRI · BHSD · Prostate158 · and more

app.medseg.ai

app.medseg.ai/public-datasets

MedSeg is not a medical device. It is not cleared, approved, certified, or registered for clinical, diagnostic, prognostic, screening, or treatment decisions. Use it for research and education, and validate every output for your project.

- **The MedSeg Team** · radiologists in Norway

A stylized logo for MedSeg, where the letters are thick and blocky, with a unique font style. The 'M' and 'E' are particularly prominent.

Our name in the lettering of Norway's 2026 World Cup kit - first finals in 28 years.