

**2021 RSNA Brain Tumor Challenge**  
**Dataset Description**

Imaging Modality and Contrast	<p>MRI</p> <ul style="list-style-type: none"> <li>● Pre- and post-contrast</li> </ul>
Annotation Pattern	<ul style="list-style-type: none"> <li>● 3D VOI(s)</li> </ul>
Annotation methodology and structure	<p>Method of annotation</p> <ul style="list-style-type: none"> <li>● Manual</li> </ul> <p>Annotation output</p> <ul style="list-style-type: none"> <li>● Spreadsheet (text)</li> <li>● Bounding boxes</li> <li>● DICOM (e.g., SR DICOM)</li> <li>● JSON</li> <li>● Proprietary</li> <li>● NIFTI</li> </ul> <p>Annotation software</p> <ul style="list-style-type: none"> <li>● Not specified</li> </ul> <p>Storage, Portability, Interoperability</p> <ul style="list-style-type: none"> <li>● RSNA/Synapse storage (Task 1) and Kaggle (Task 2)</li> </ul>
Structure nomenclature and standards	<ul style="list-style-type: none"> <li>● None (Organizer-specified)</li> </ul>
Data use agreement/licensing	<ul style="list-style-type: none"> <li>● Open Licensing</li> <li>● Non-commercial purpose</li> <li>● Registration (e.g., the intent of use)</li> <li>● References to dataset</li> <li>● Versioning</li> </ul>
Imaging file and structure set format	<ul style="list-style-type: none"> <li>● DICOM - metadata/tags (based on individual task) <ul style="list-style-type: none"> <li>○ Proprietary tags</li> </ul> </li> <li>● NIFTI</li> <li>● PNG/JPEG/TIFF</li> <li>● Raw data</li> <li>● Other</li> </ul>
Slice thickness (in mm)	Variable
Characteristics	<p>Resolution</p> <ul style="list-style-type: none"> <li>● Original</li> <li>● Downsampled</li> </ul> <p>Pre-processing</p> <ul style="list-style-type: none"> <li>● Standard Normalization</li> <li>● Histogram Normalization</li> <li>● Skull stripping</li> </ul> <p>Burned-in PHI</p> <ul style="list-style-type: none"> <li>● Removed</li> </ul>

Other scanner and acquisition parameters, e.g. MRI field strength	Available but incomplete (missing 0008,0070 Manufacturer)
Timing (in case of serial imaging)	<ul style="list-style-type: none"> <li>● Timepoint 1, Timepoint 2, etc.</li> <li>● In relation to a relevant event <ul style="list-style-type: none"> <li>○ Pre-treatment</li> <li>○ Mid-treatment</li> <li>○ Post-treatment</li> </ul> </li> </ul>
Labeler demographics	<ul style="list-style-type: none"> <li>● Specialty indicated</li> <li>● Extract individual</li> <li>● Scope of annotation - multi-institutional</li> </ul>
Responsibilities quality, safety, privacy	Indicated
Monetization	None

V1 02/07/2022