*Table 2: Deep Learning Model Segmentation Performance Metrics*

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| --- | --- | --- | --- |
| **Metric** | **Ventricles** | **Abnormal WMH** | **Overall Mean** |
| **Precision** | 0.899 ± 0.045 | 0.844 ± 0.062 | 0.871 ± 0.054 |
| **Sensitivity** | 0.811 ± 0.038 | 0.524 ± 0.071 | 0.667 ± 0.055 |
| **DSC** | 0.853 ± 0.041 | 0.646 ± 0.067 | 0.749 ± 0.054 |
| **IoU** | 0.743 ± 0.046 | 0.477 ± 0.065 | 0.610 ± 0.056 |
| **HD95 (mm)** | 8.4 ± 2.1 | 19.4 ± 4.2 | 13.9 ± 3.2 |

*Values represent mean ± standard deviation across test samples. Model computational complexity: 98.4 GFLOPs.*