Most Abnormal Brain Regions (Rank 1)
Across 73 Patients

- Dorsoposterior Thalamus (Left)
- Dorsoanterior Thalamus (Left)
- Anterior Caudate (Left)
- Posterior Caudate (Left)
- Nucleus Accumbens Core (Left)
- Posterior Hippocampus (Left)
- Ventroanterior Thalamus (Right)
- Posterior Caudate (Right)
- Anterior Putamen (Right)
- Dorsoanterior Thalamus (Right)
- Posterior Globus Pallidus (Left)
- Posterior Globus Pallidus (Right)
- Ventroposterior Thalamus (Right) — 4.1%
- Lateral Amygdala (Right) — 4.1%
- Posterior Hippocampus (Right) — 4.1%
- Posterior Putamen (Right) — 4.1%
- Anterior Globus Pallidus (Left) — 4.1%
- Posterior Putamen (Left) — 4.1%
- Anterior Hippocampus (Right) — 5.5%
- Medial Amygdala (Left) — 5.5%
- Anterior Hippocampus (Left) — 5.5%
- Medial Amygdala (Right) — 6.8%
- Nucleus Accumbens Core (Right) — 6.8%
- Nucleus Accumbens Shell (Left) — 9.6%
- Dorsoposterior Thalamus (Right) — 13.7%

2.7%, 2.7%, 2.7%, 2.7%, 1.4%, 1.4%, 1.4%, 1.4%, 1.4%, 1.4%, 1.4%

Overall Brain Activity Deviation (All Regions Combined)

Legend:
- - - - Significance (p=0.05)
- —— Mean

X-axis: Z-Score (Deviation from Healthy Control Baseline)
Y-axis: Count (Total Region Samples)
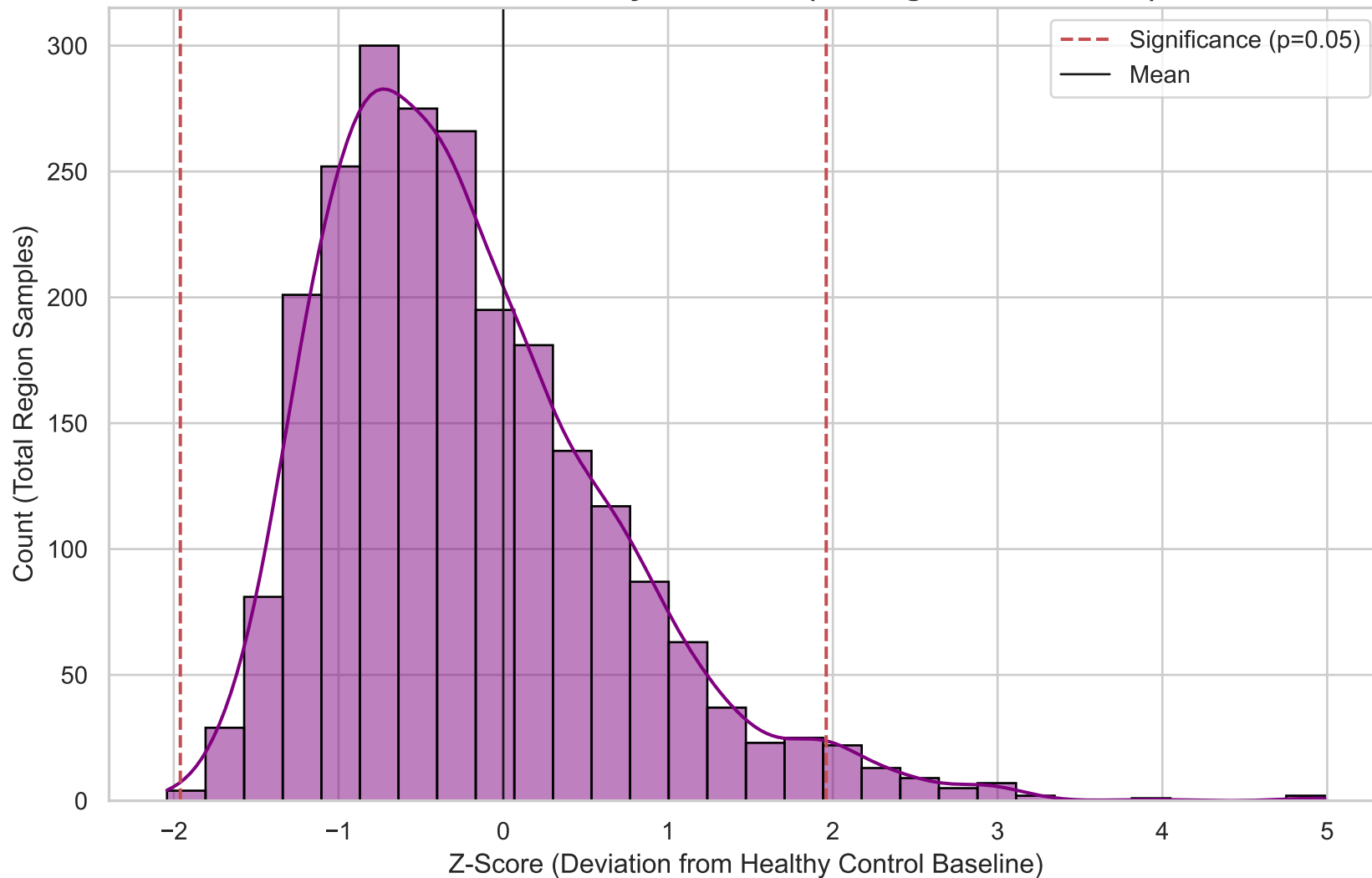
Overall Summary
(All Patients & Regions)
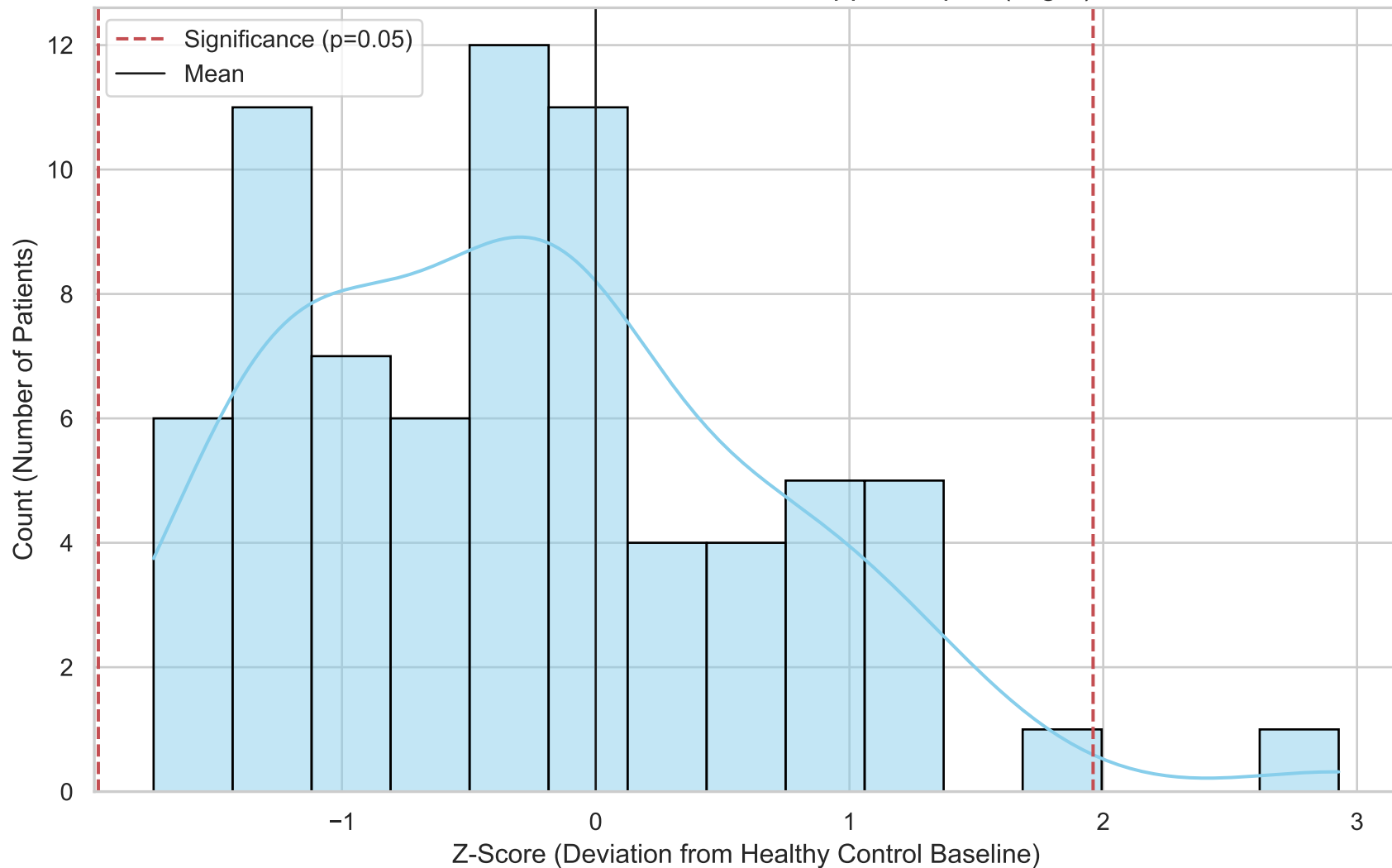----------------------

Count: 2336

Mean: -0.2227
Std: 0.8777

Min: -2.0411
25%:   -0.8568
50%:   -0.3813
75%:   0.2487
Max: 4.9861

Z-Score Distribution: Anterior Hippocampus (Right)

Statistical Summary

Count: 73

Mean: -0.2753
Std: 0.9289

Min: -1.7422
25%:   -1.0199
50%:   -0.2970
75%:   0.2301
Max: 2.9278

Z-Score Distribution: Posterior Hippocampus (Right)
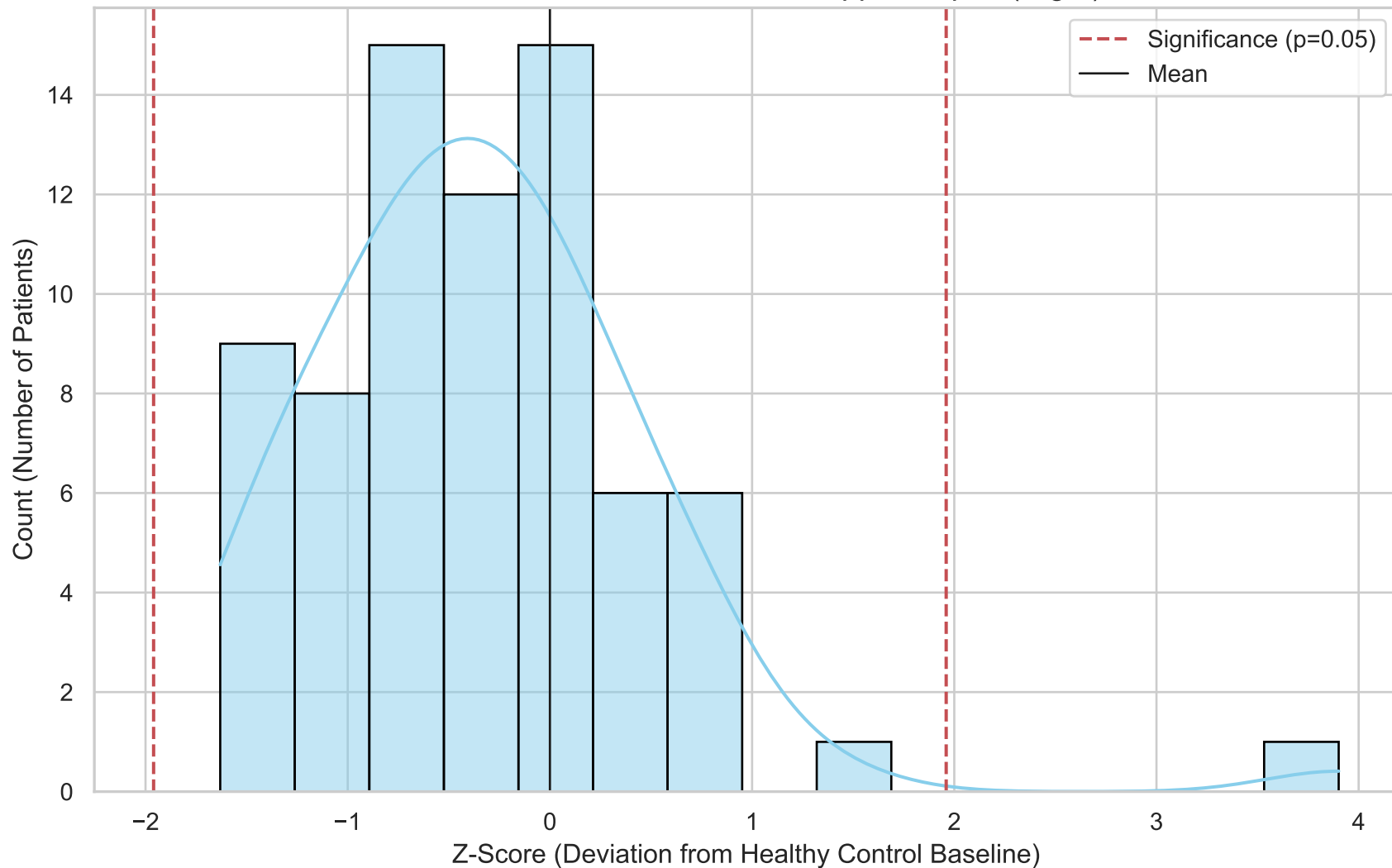
Statistical Summary

Count: 73

Mean: -0.3333
Std: 0.8448

Min: -1.6305
25%:   -0.8196
50%:   -0.3688
75%:   0.1086
Max: 3.9013

Z-Score Distribution: Lateral Amygdala (Right)
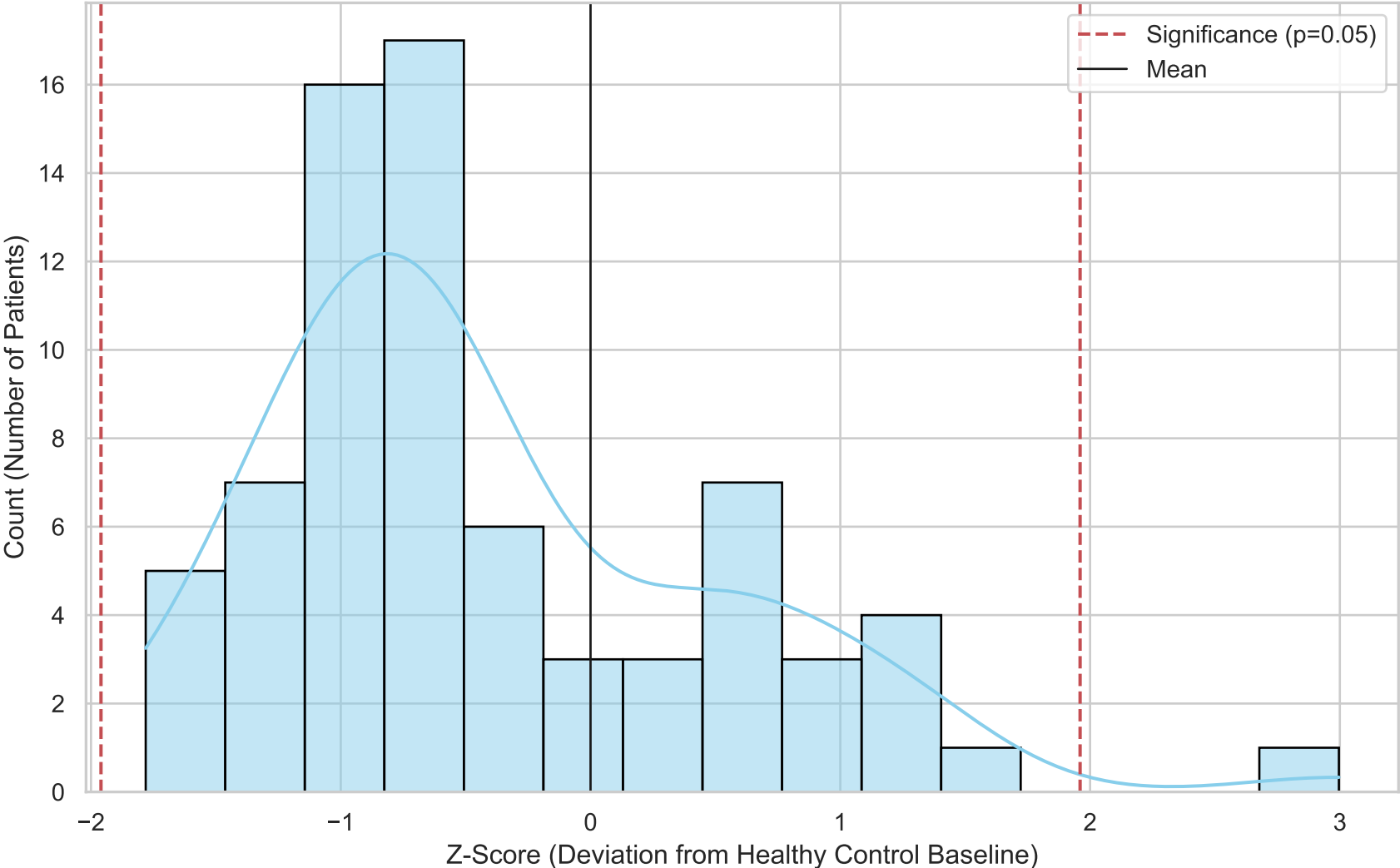
Statistical Summary

Count: 73

Mean: -0.4009
Std: 0.9047

Min: -1.7809
25%:   -1.0251
50%:   -0.6226
75%:   0.2637
Max: 2.9961

Legend:
- - - Significance (p=0.05)
——— Mean

X-axis: Z-Score (Deviation from Healthy Control Baseline)
Y-axis: Count (Number of Patients)

Z-Score Distribution: Medial Amygdala (Right)
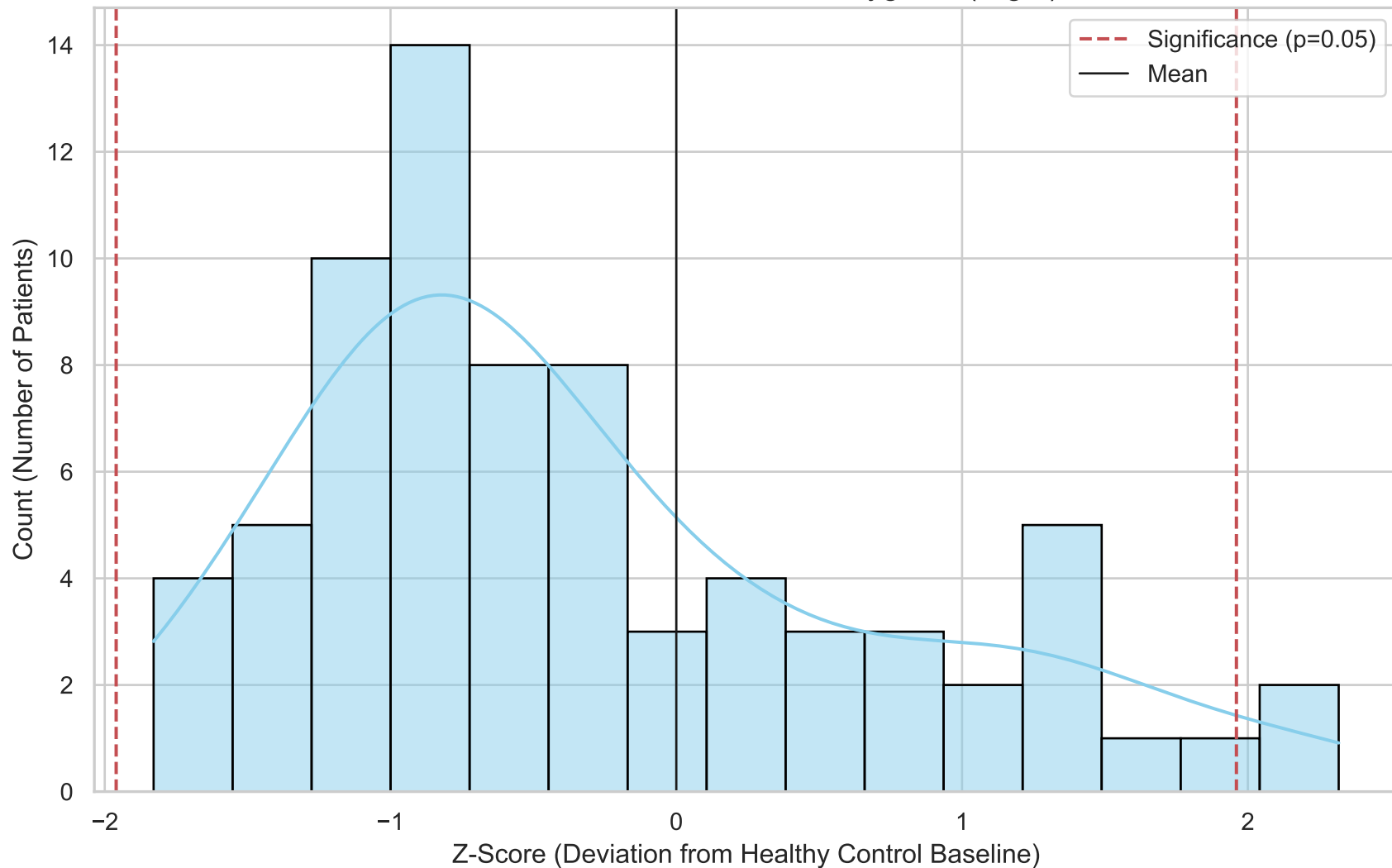
Statistical Summary

Count: 73

Mean: -0.3192
Std: 1.0091

Min: -1.8290
25%:   -1.0036
50%:   -0.6968
75%:   0.1971
Max: 2.3179

Z-Score Distribution: Dorsoposterior Thalamus (Right)
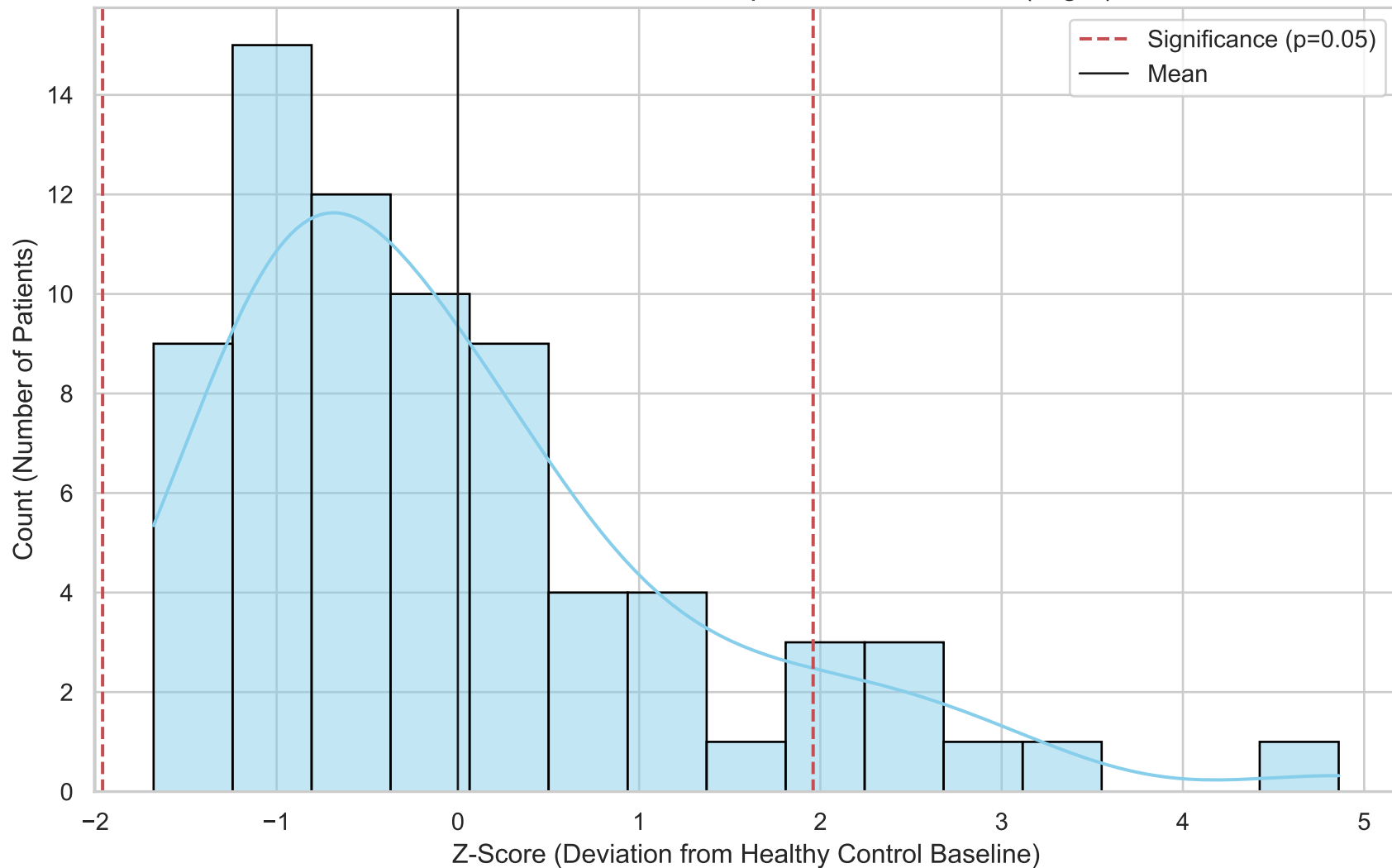
Statistical Summary

Count: 73

Mean: -0.0221
Std: 1.2925

Min: -1.6786
25%: -0.8806
50%: -0.3361
75%:   0.4044
Max: 4.8594

Z-Score Distribution: Ventroposterior Thalamus (Right)
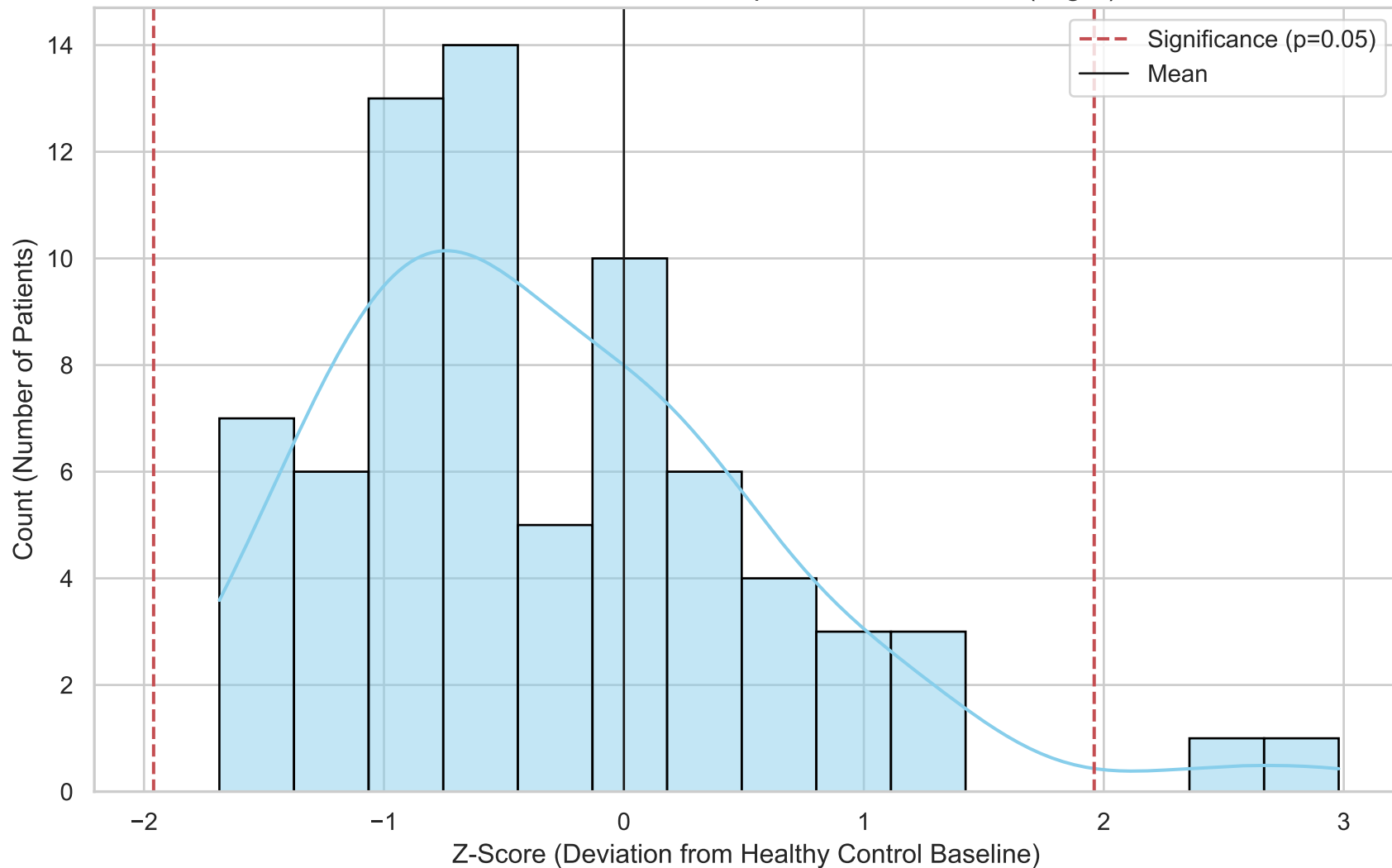
Statistical Summary

Count: 73

Mean: -0.3026
Std: 0.9059

Min: -1.6859
25%:   -0.9394
50%:   -0.4817
75%:   0.1745
Max: 2.9790

Z-Score Distribution: Ventroanterior Thalamus (Right)
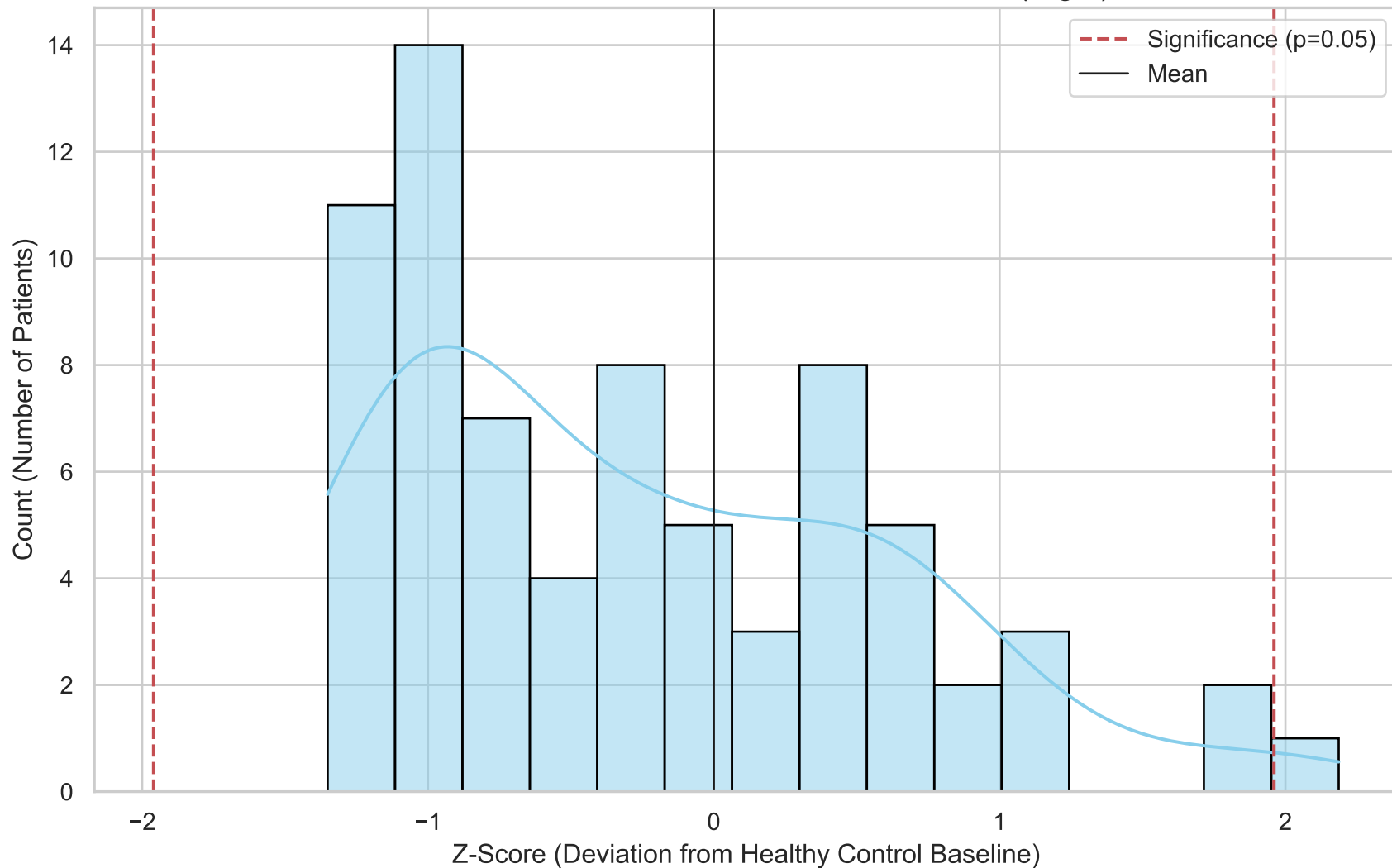
Z-Score Distribution: Dorsoanterior Thalamus (Right)

Legend:
- - - - Significance (p=0.05)
——— Mean
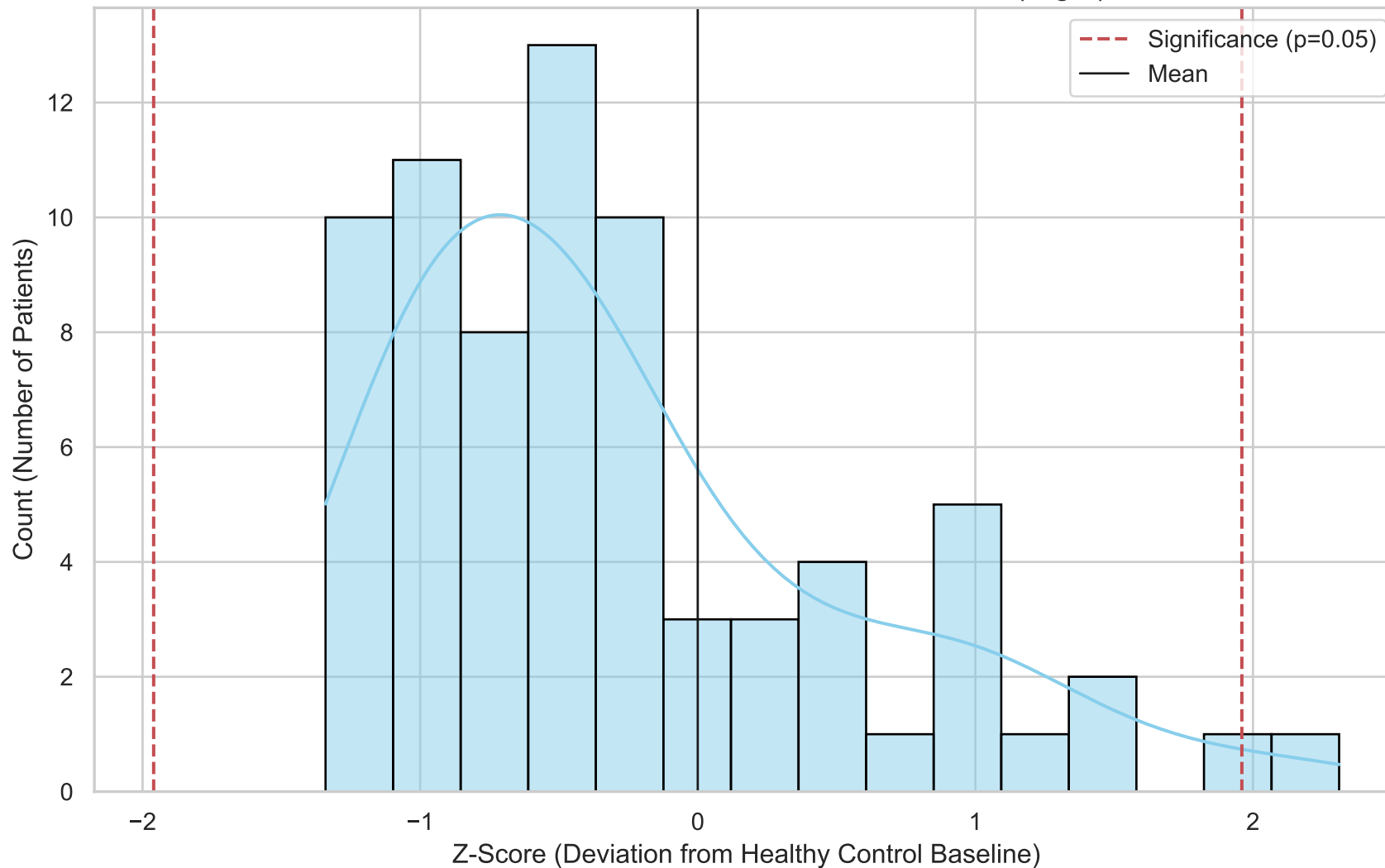
Statistical Summary

Count: 73

Mean: -0.2865
Std: 0.8228

Min: -1.3408
25%: -0.9141
50%: -0.5191
75%:   0.1187
Max: 2.3104

X-axis: Z-Score (Deviation from Healthy Control Baseline)
Y-axis: Count (Number of Patients)

Z-Score Distribution: Nucleus Accumbens Shell (Right)
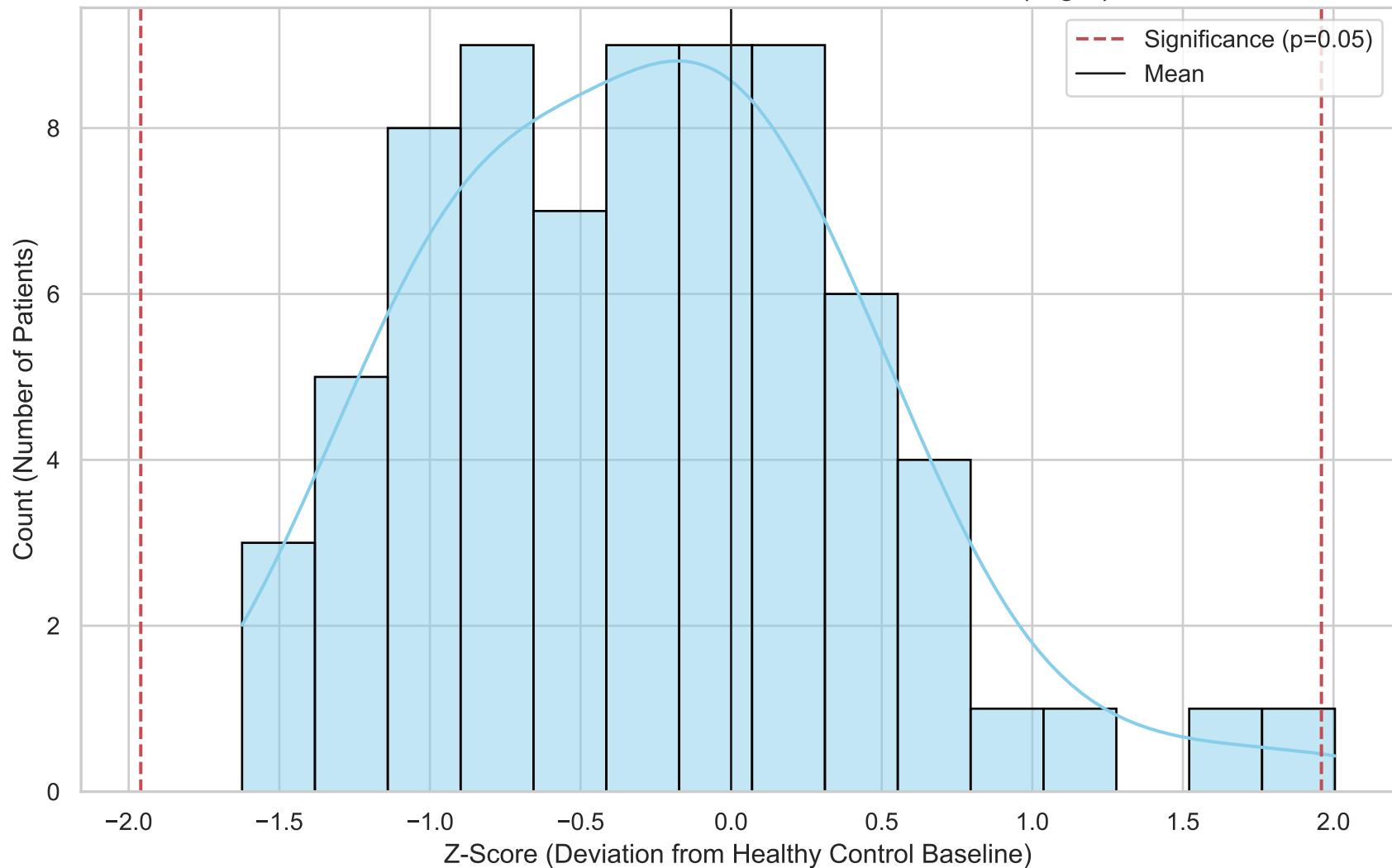
Statistical Summary

Count: 73

Mean: -0.2696
Std: 0.7193

Min: -1.6237
25%: -0.8093
50%: -0.2542
75%: 0.1575
Max: 2.0048

Z-Score Distribution: Nucleus Accumbens Core (Right)
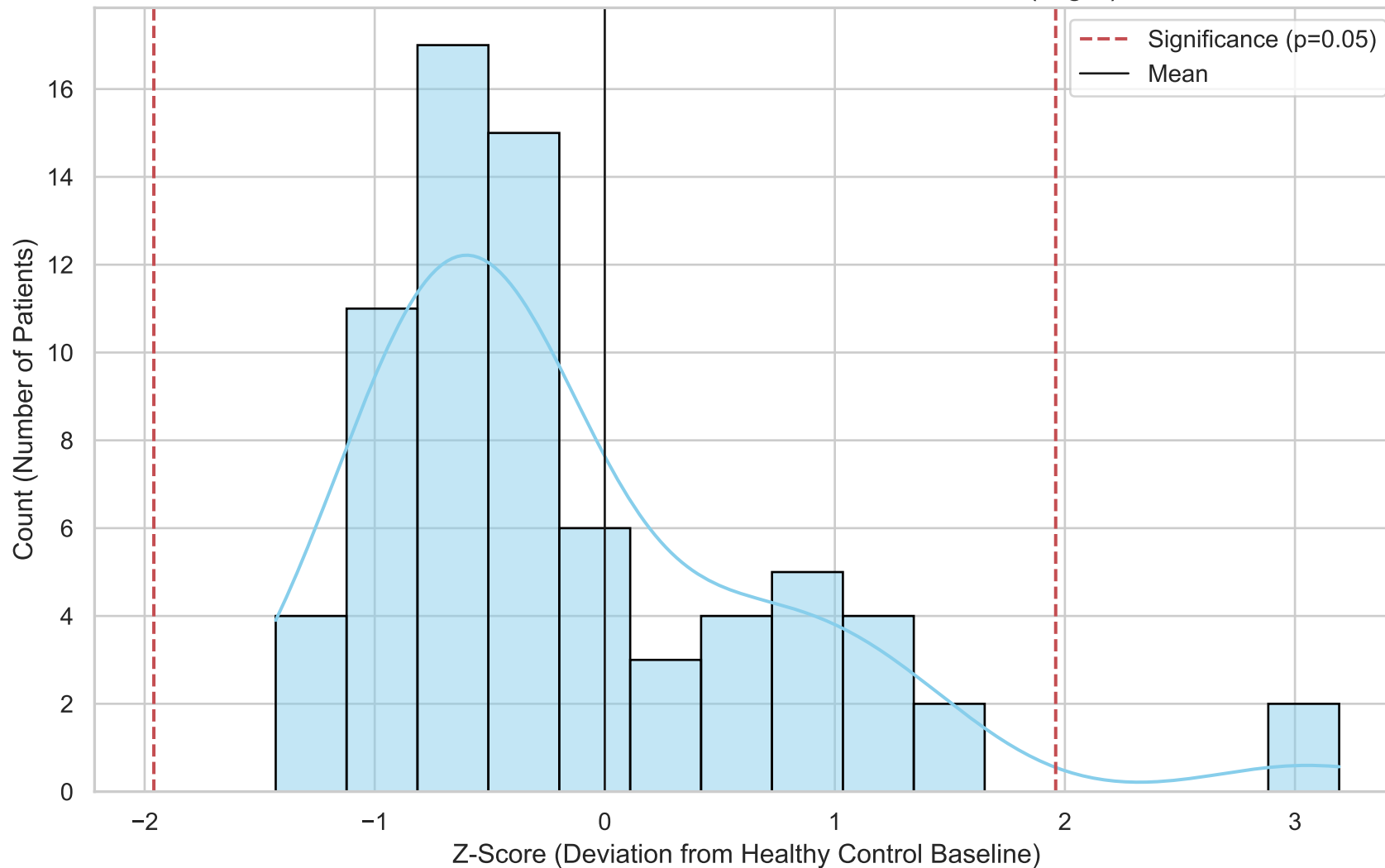
Statistical Summary

Count: 73

Mean: -0.1597
Std: 0.9117

Min: -1.4303
25%: -0.7851
50%: -0.3917
75%: 0.3877
Max: 3.1922

Z-Score Distribution: Posterior Globus Pallidus (Right)
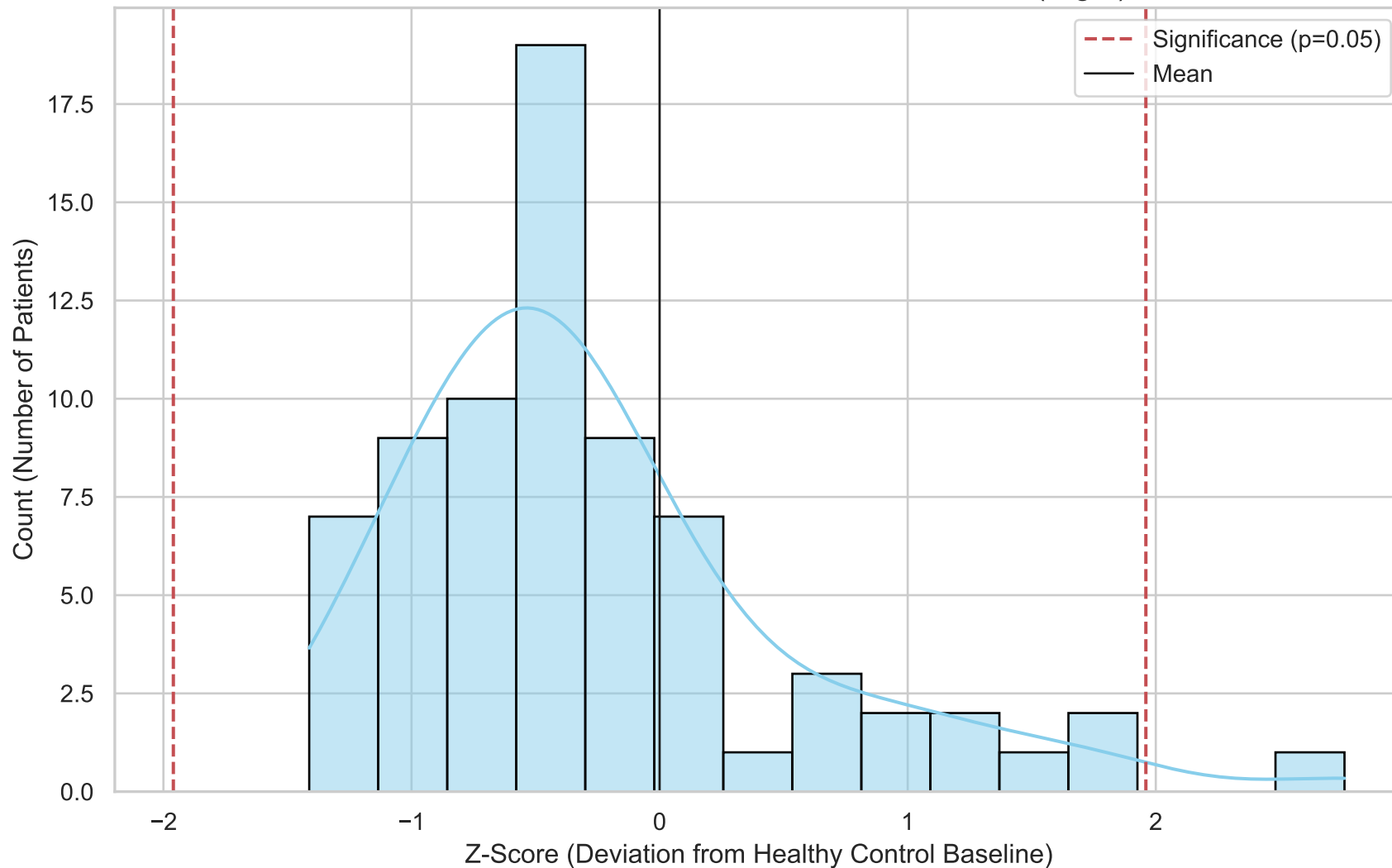
Statistical Summary

Count: 73

Mean: -0.2571
Std: 0.7970

Min: -1.4123
25%:   -0.8073
50%:   -0.4409
75%:   0.0780
Max: 2.7606

Z-Score Distribution: Anterior Globus Pallidus (Right)
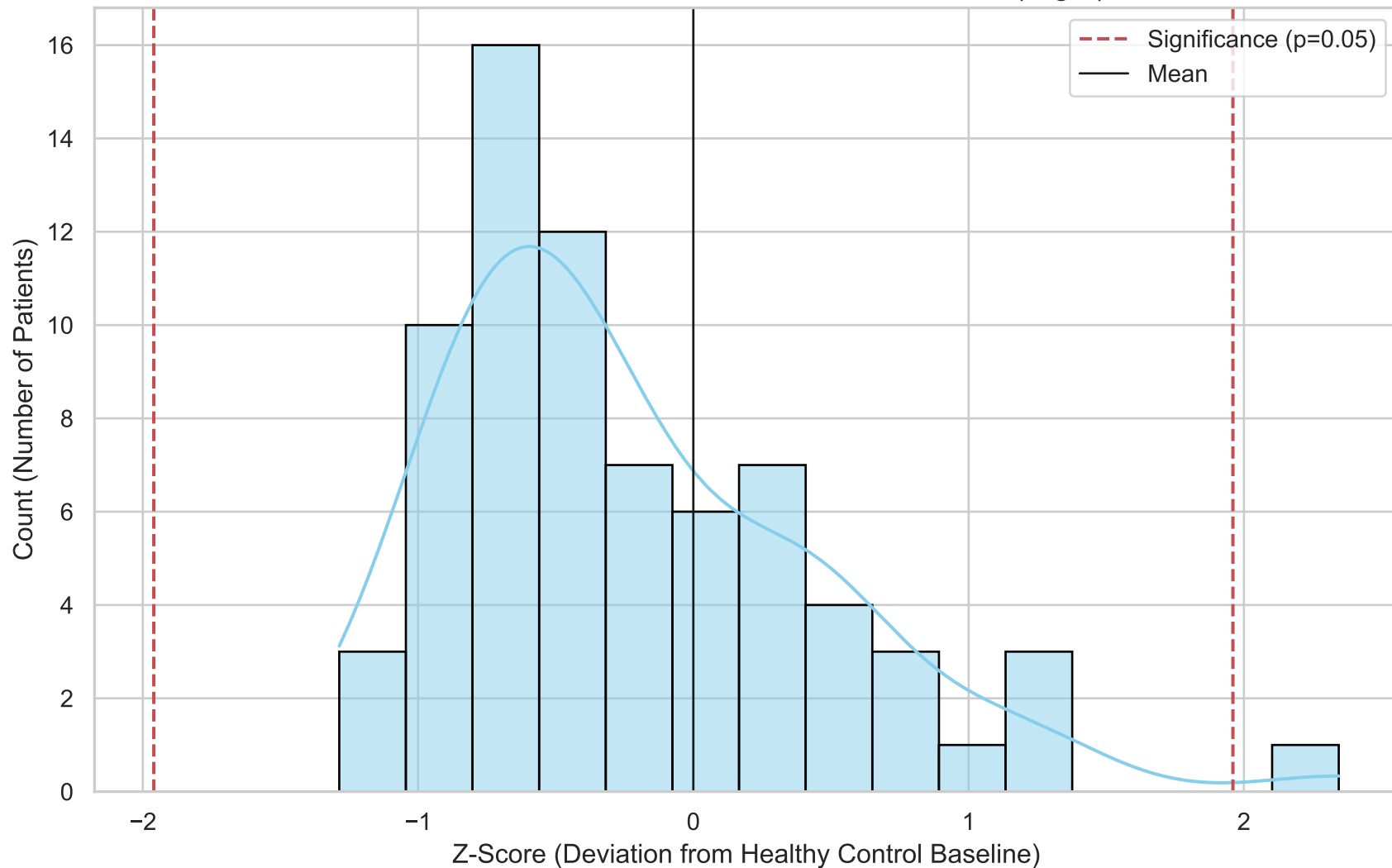
Statistical Summary

Count: 73

Mean: -0.2312
Std: 0.6827

Min: -1.2863
25%: -0.7434
50%: -0.4177
75%: 0.1987
Max: 2.3445

Z-Score Distribution: Anterior Putamen (Right)
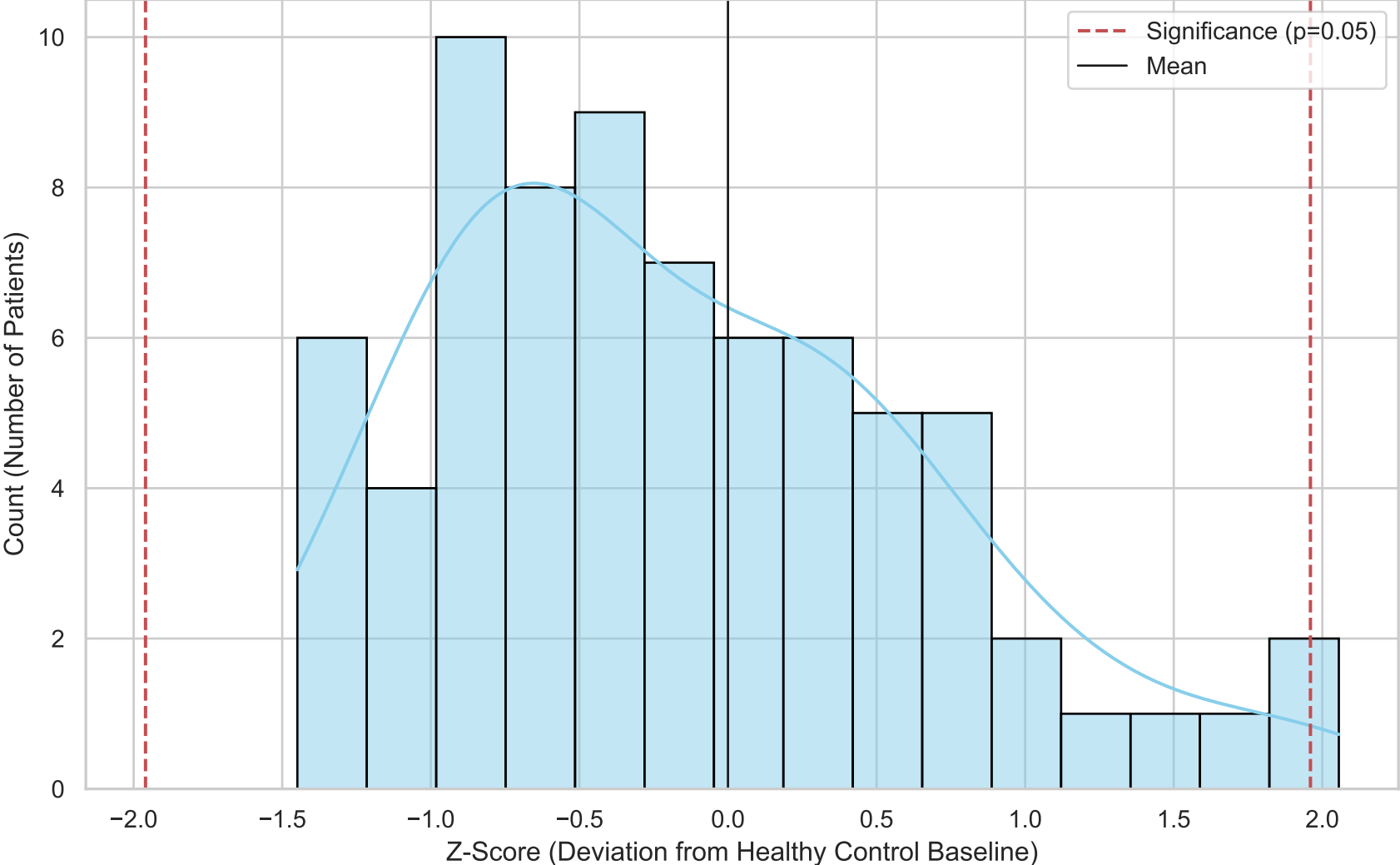
```
Statistical Summary
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Count: 73

Mean:  -0.1658
Std:    0.8119

Min:   -1.4490
25%:   -0.7939
50%:   -0.3536
75%:    0.3556
Max:    2.0556
```

Z-Score Distribution: Posterior Putamen (Right)
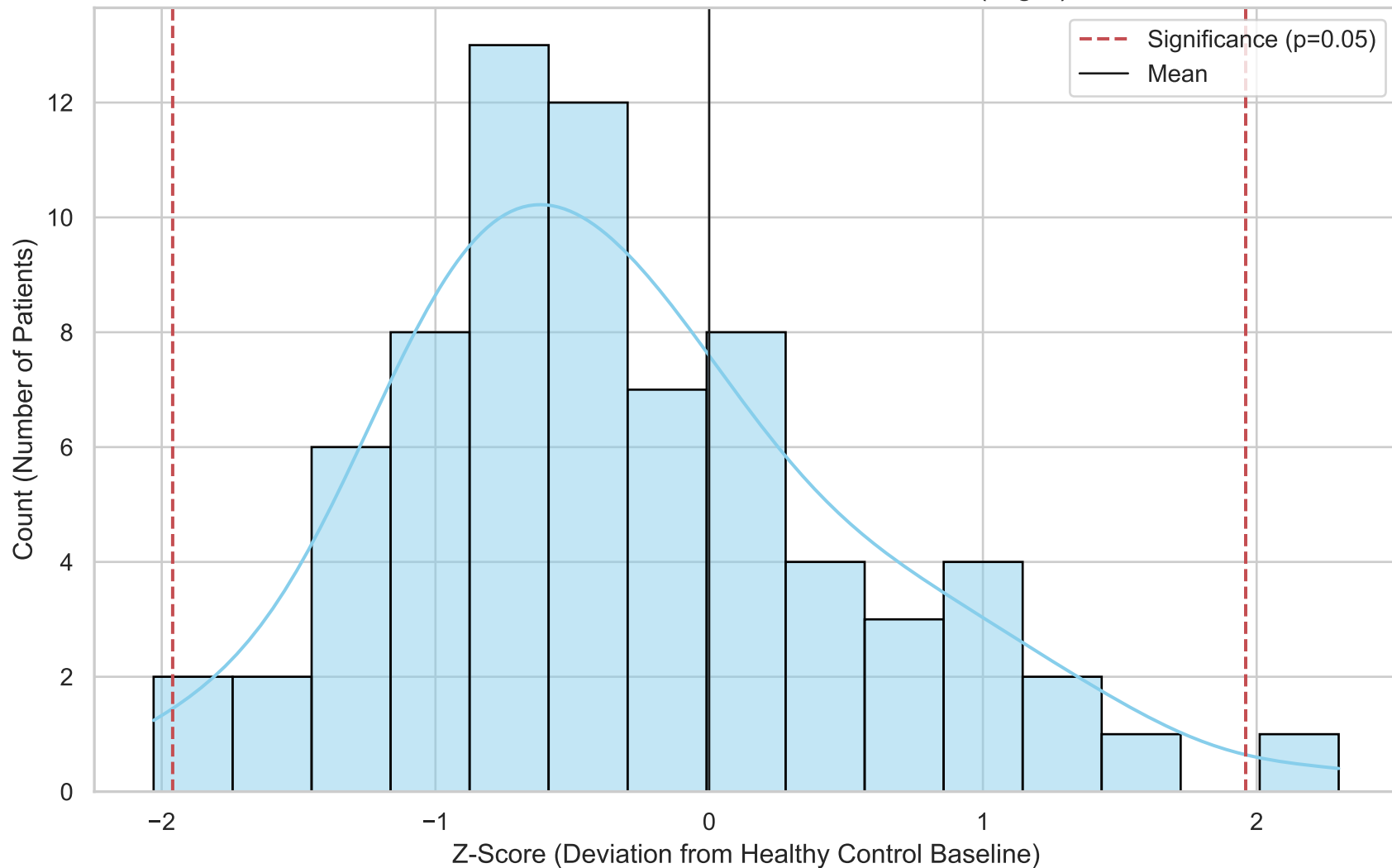
Statistical Summary

Count: 73

Mean: -0.3114
Std: 0.8504

Min: -2.0296
25%:   -0.8603
50%:   -0.3821
75%:   0.1397
Max: 2.2997

Z-Score Distribution: Anterior Caudate (Right)
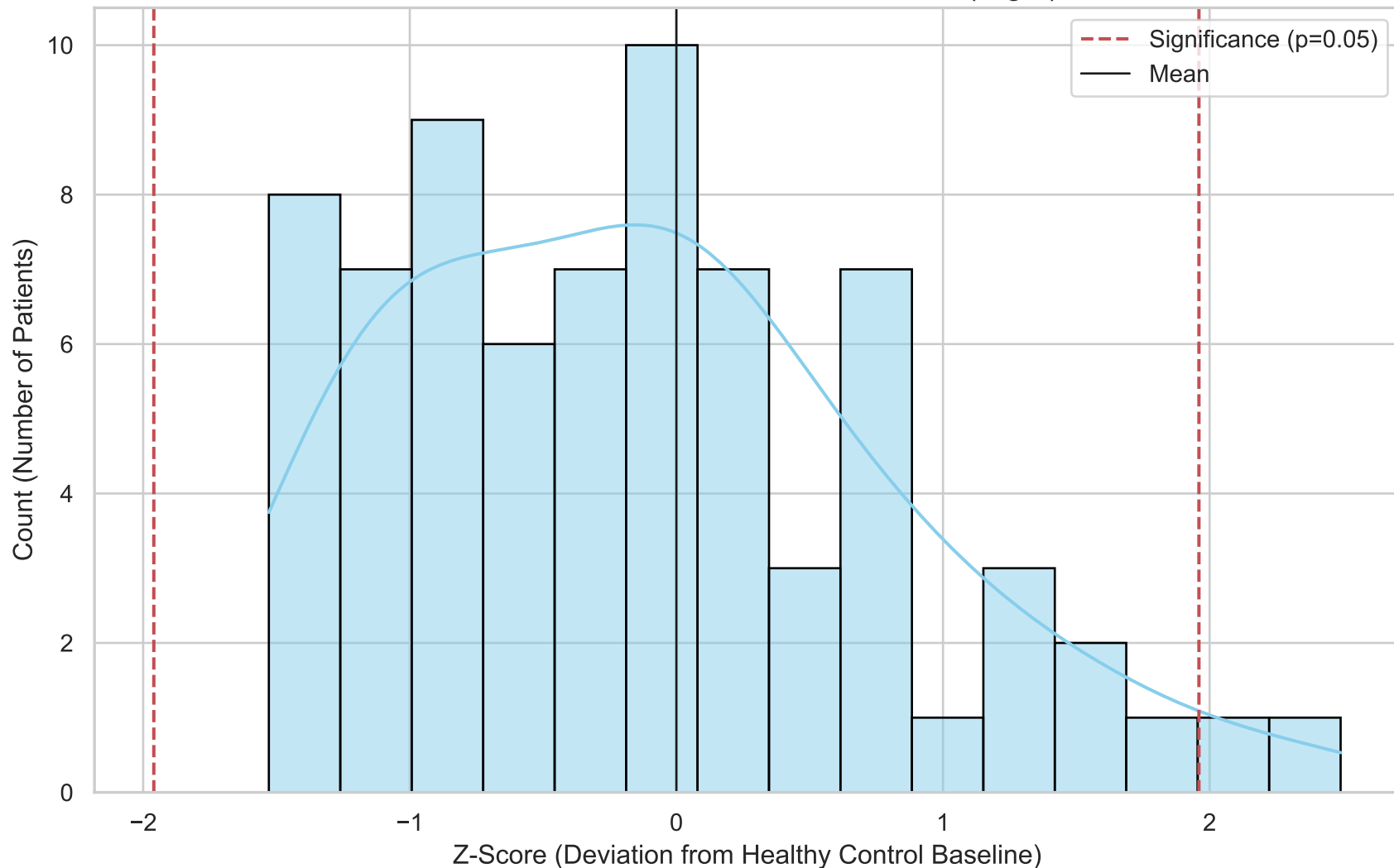
Statistical Summary
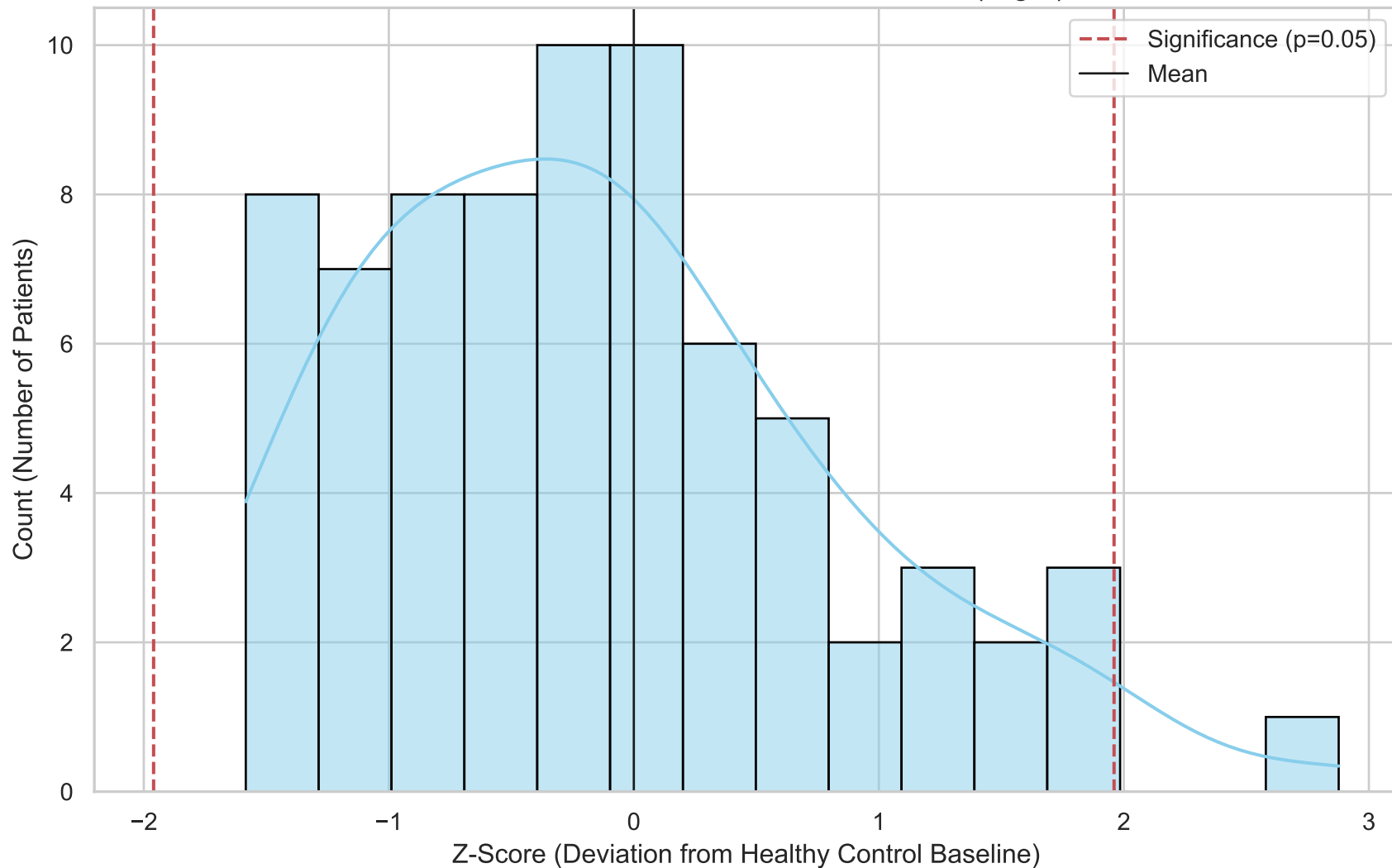--------------------

Count: 73

Mean: -0.1339
Std: 0.9159

Min: -1.5286
25%:   -0.8654
50%:   -0.1970
75%:   0.3726
Max: 2.4914

Z-Score Distribution: Posterior Caudate (Right)

Statistical Summary

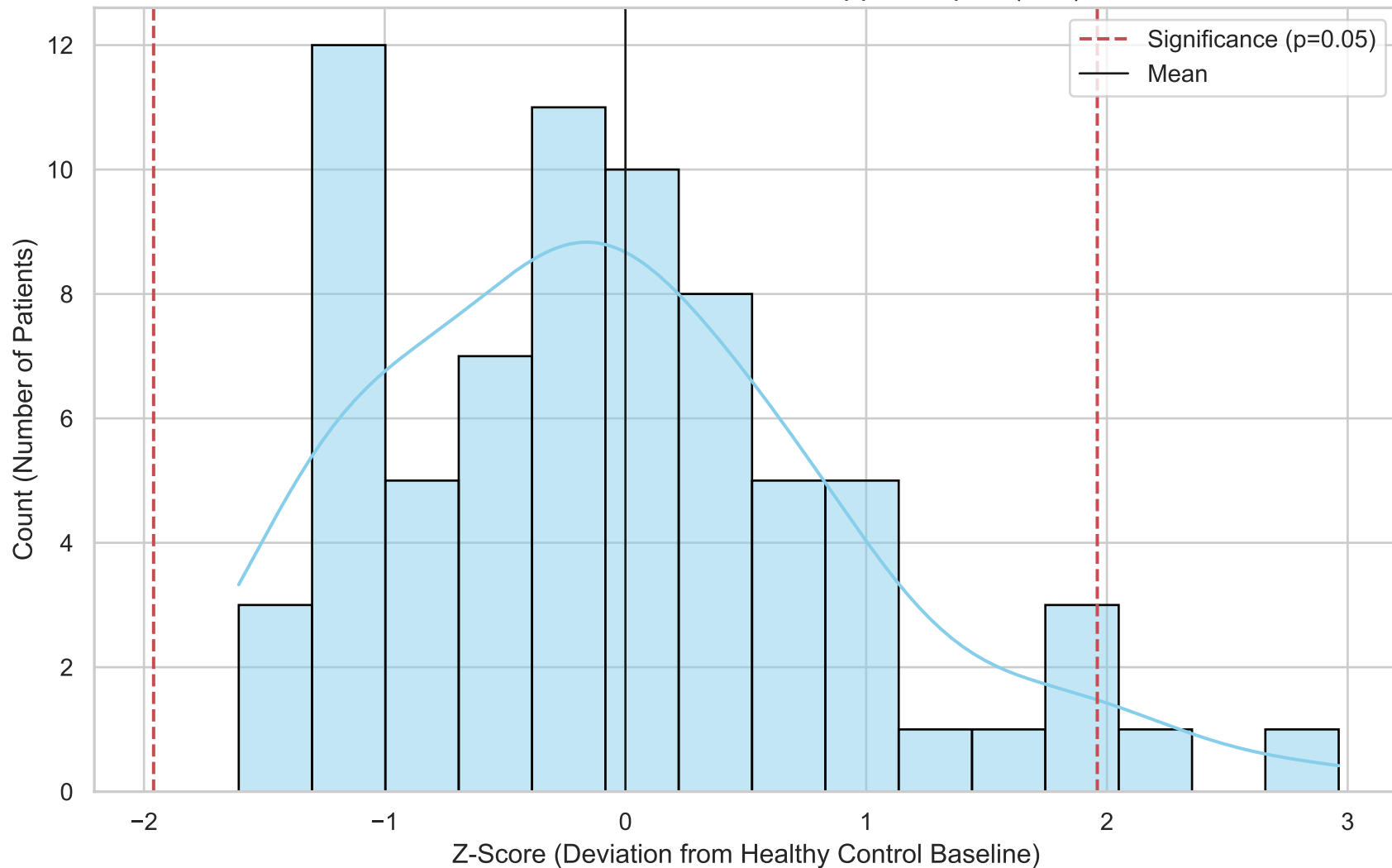
Count: 73

Mean: -0.1400
Std: 0.9658

Min: -1.5838
25%: -0.9236
50%: -0.1943
75%: 0.4259
Max: 2.8768

Z-Score Distribution: Anterior Hippocampus (Left)

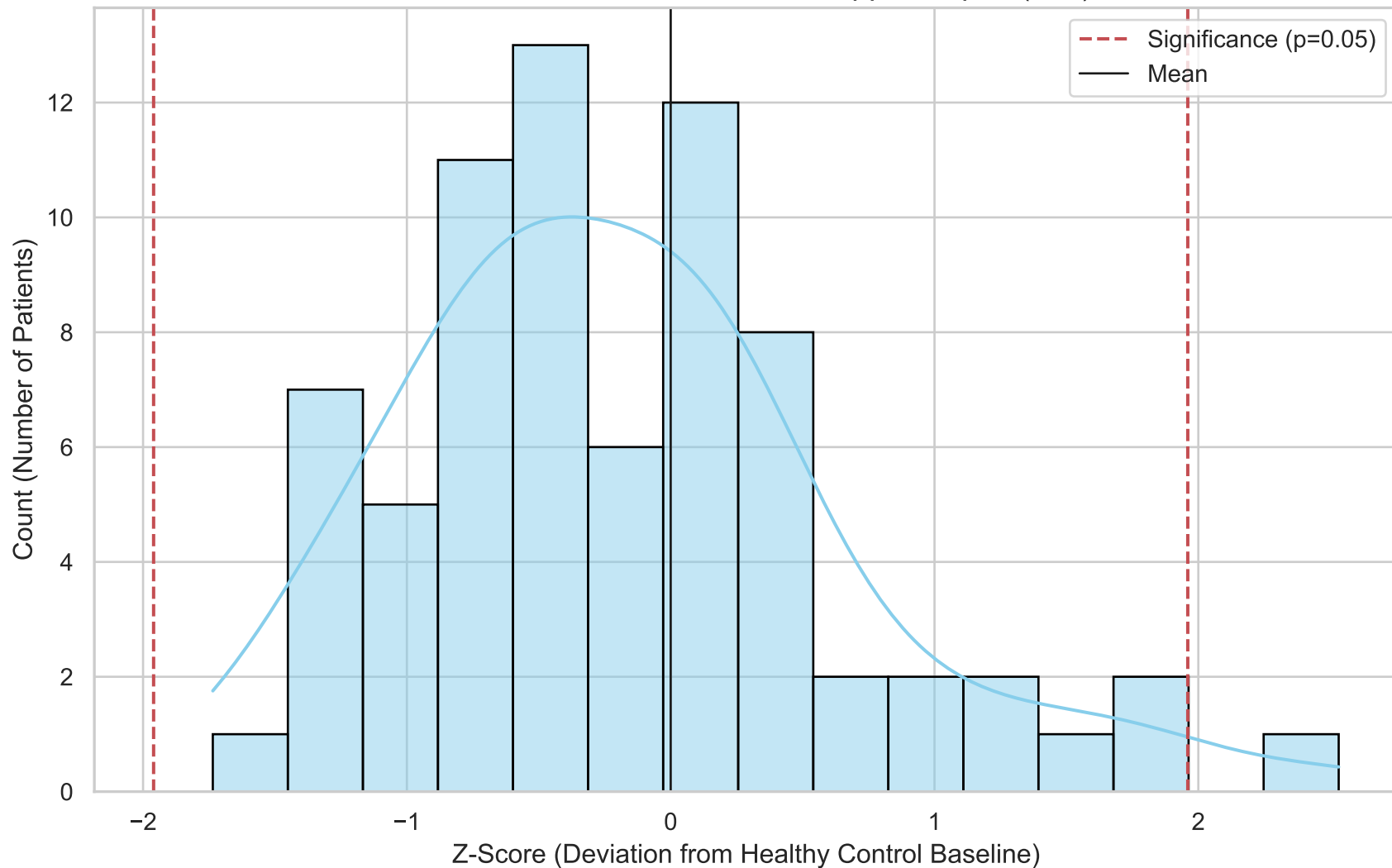Statistical Summary
----

Count: 73

Mean: -0.0538
Std: 0.9711

Min: -1.6063
25%: -0.7568
50%: -0.1345
75%: 0.4889
Max: 2.9628

Z-Score Distribution: Posterior Hippocampus (Left)

Statistical Summary
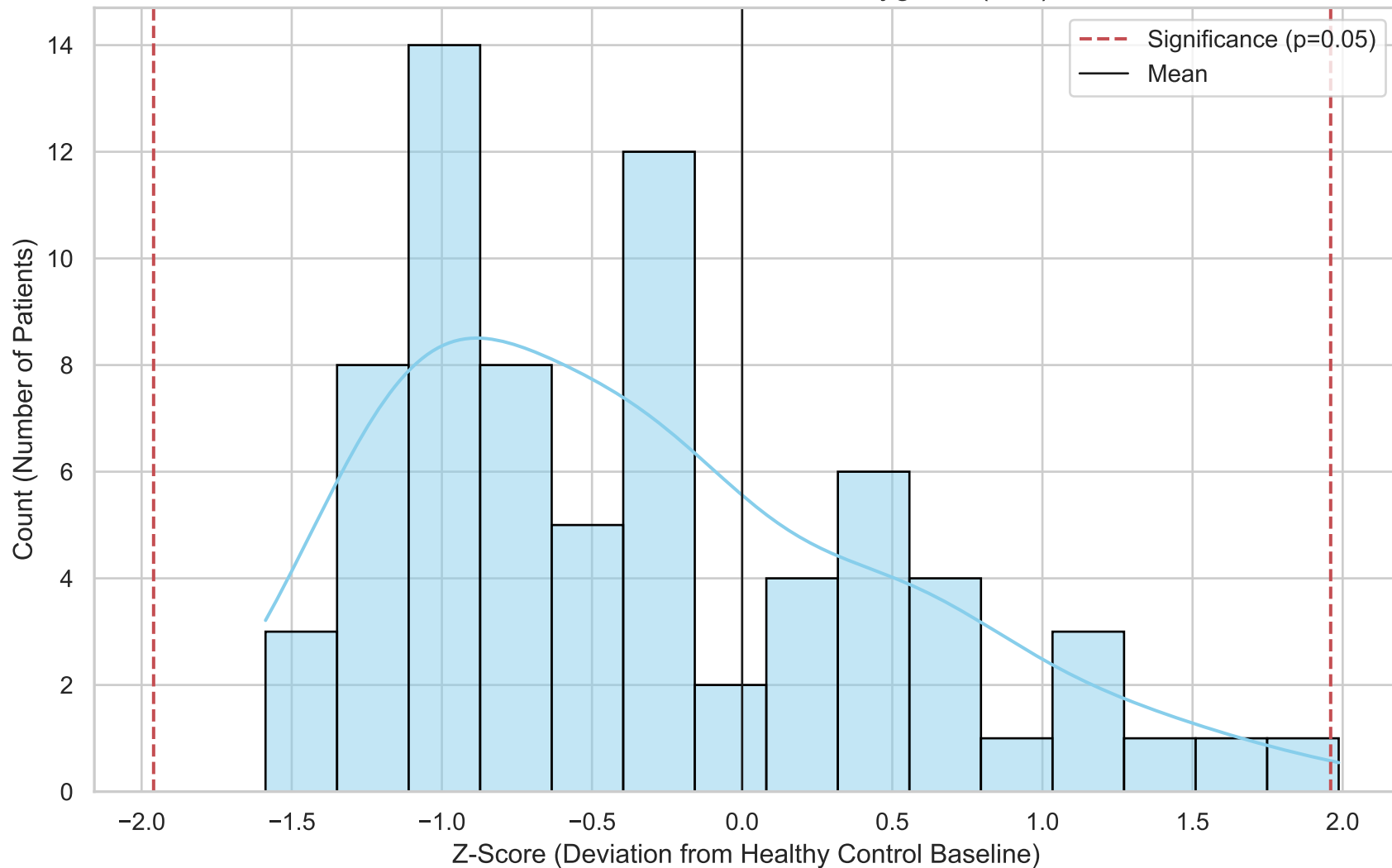-------------------

Count: 73

Mean: -0.1868
Std: 0.8282

Min: -1.7356
25%: -0.7188
50%: -0.3583
75%:   0.2364
Max: 2.5320

Z-Score Distribution: Lateral Amygdala (Left)

Statistical Summary

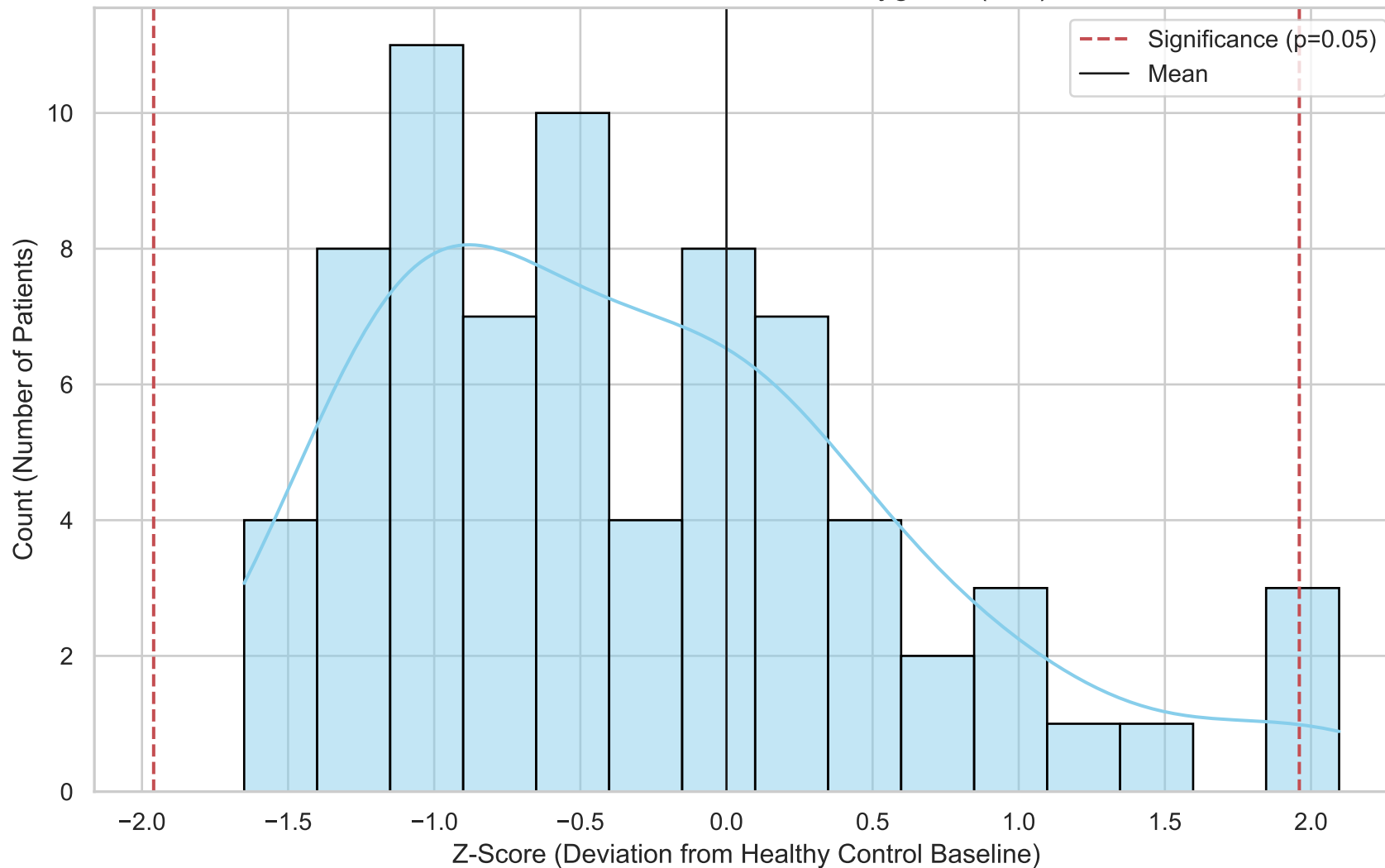Count: 73

Mean: -0.3405
Std: 0.8168

Min: -1.5873
25%:   -1.0316
50%:   -0.4851
75%:   0.1527
Max: 1.9867

Z-Score Distribution: Medial Amygdala (Left)

Statistical Summary

Count: 73

Mean: -0.3053
Std: 0.8764

Min: -1.6503
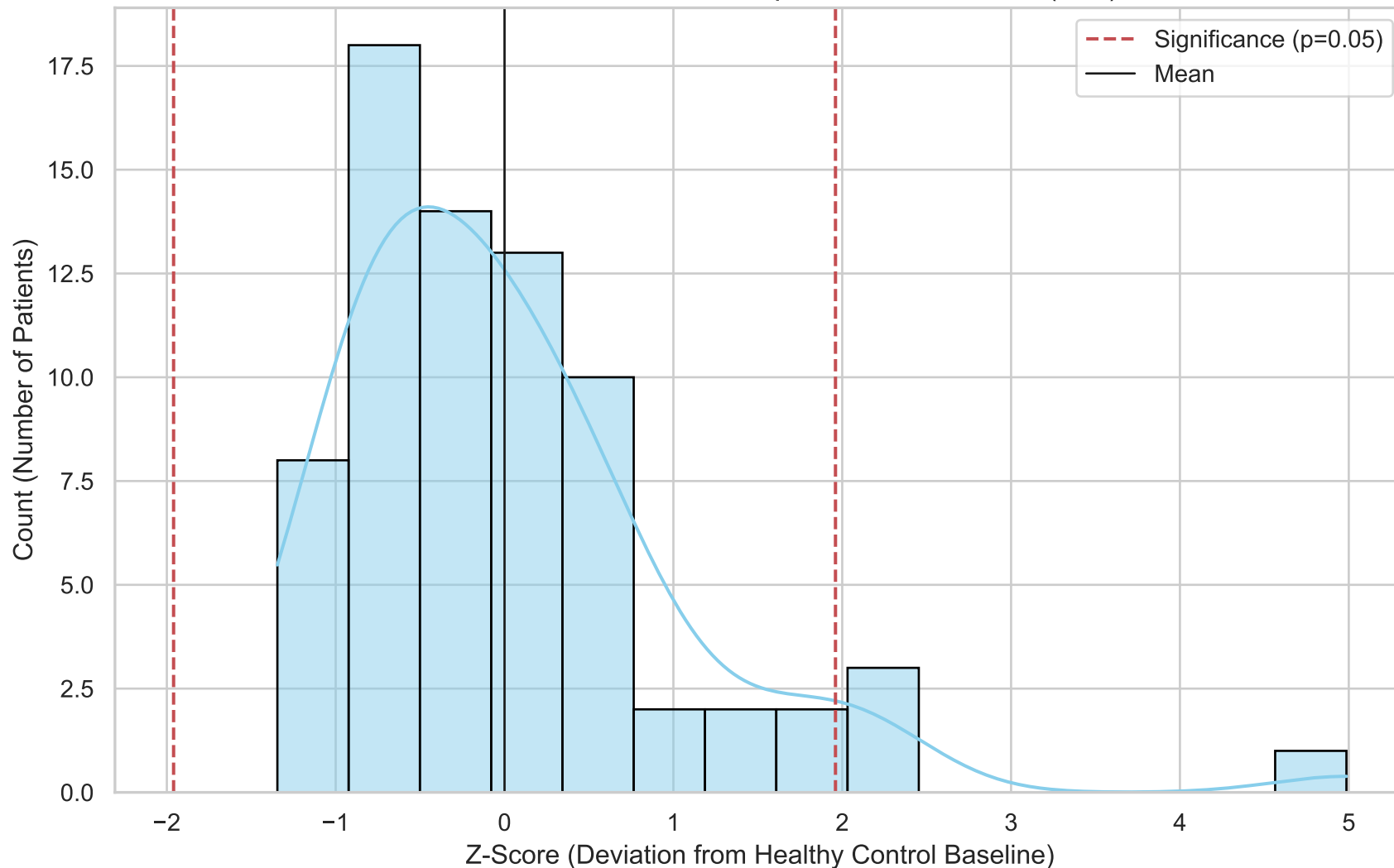25%: -1.0063
50%: -0.4388
75%: 0.1735
Max: 2.0962

Z-Score Distribution: Dorsoposterior Thalamus (Left)

Statistical Summary
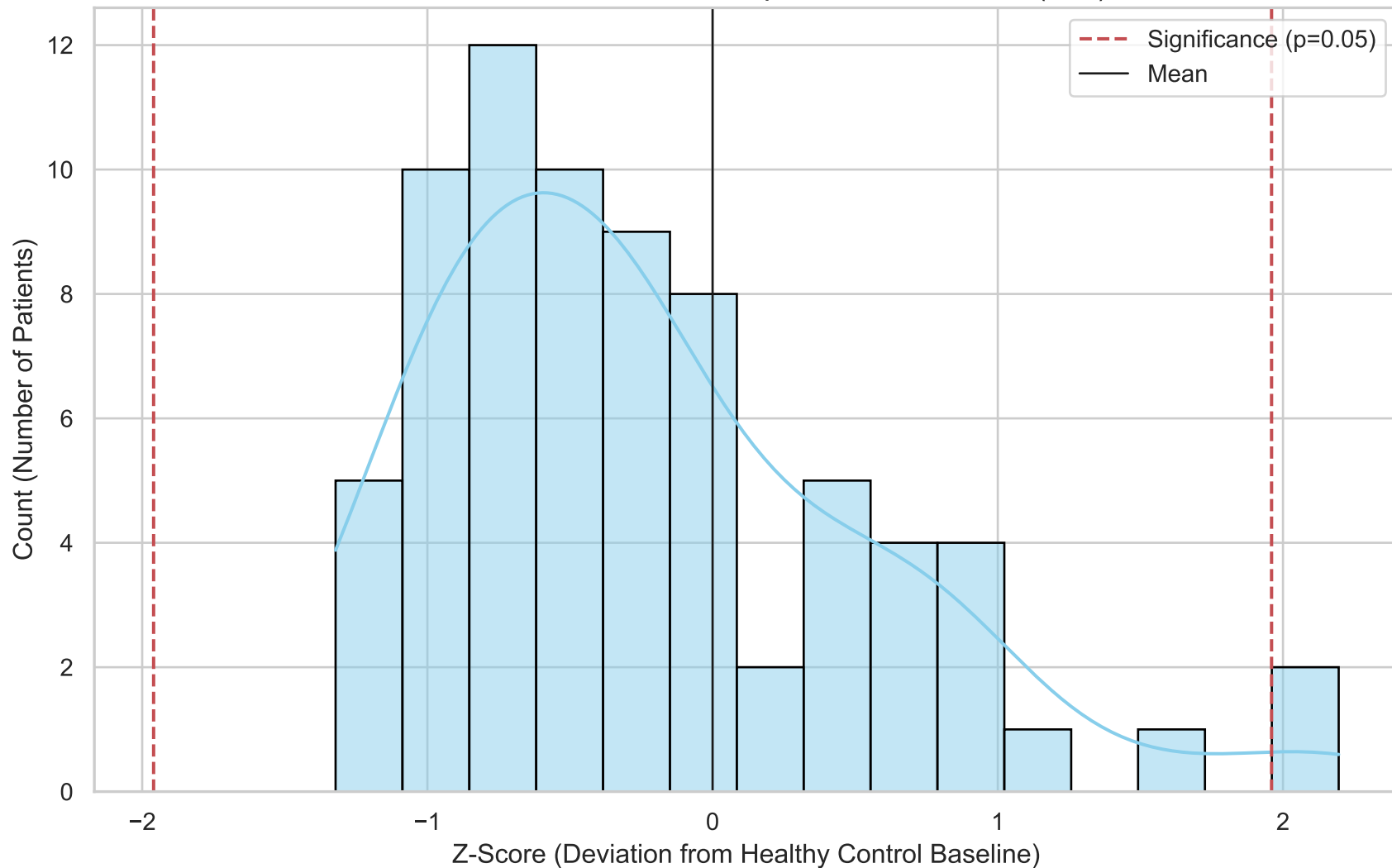-------------------

Count: 73

Mean: 0.0202
Std: 1.0283

Min: -1.3453
25%:   -0.7129
50%:   -0.2231
75%:   0.3930
Max: 4.9861

Z-Score Distribution: Ventroposterior Thalamus (Left)

Legend:
- - - - Significance (p=0.05)
——— Mean

Y-axis: Count (Number of Patients)
X-axis: Z-Score (Deviation from Healthy Control Baseline)

Statistical Summary
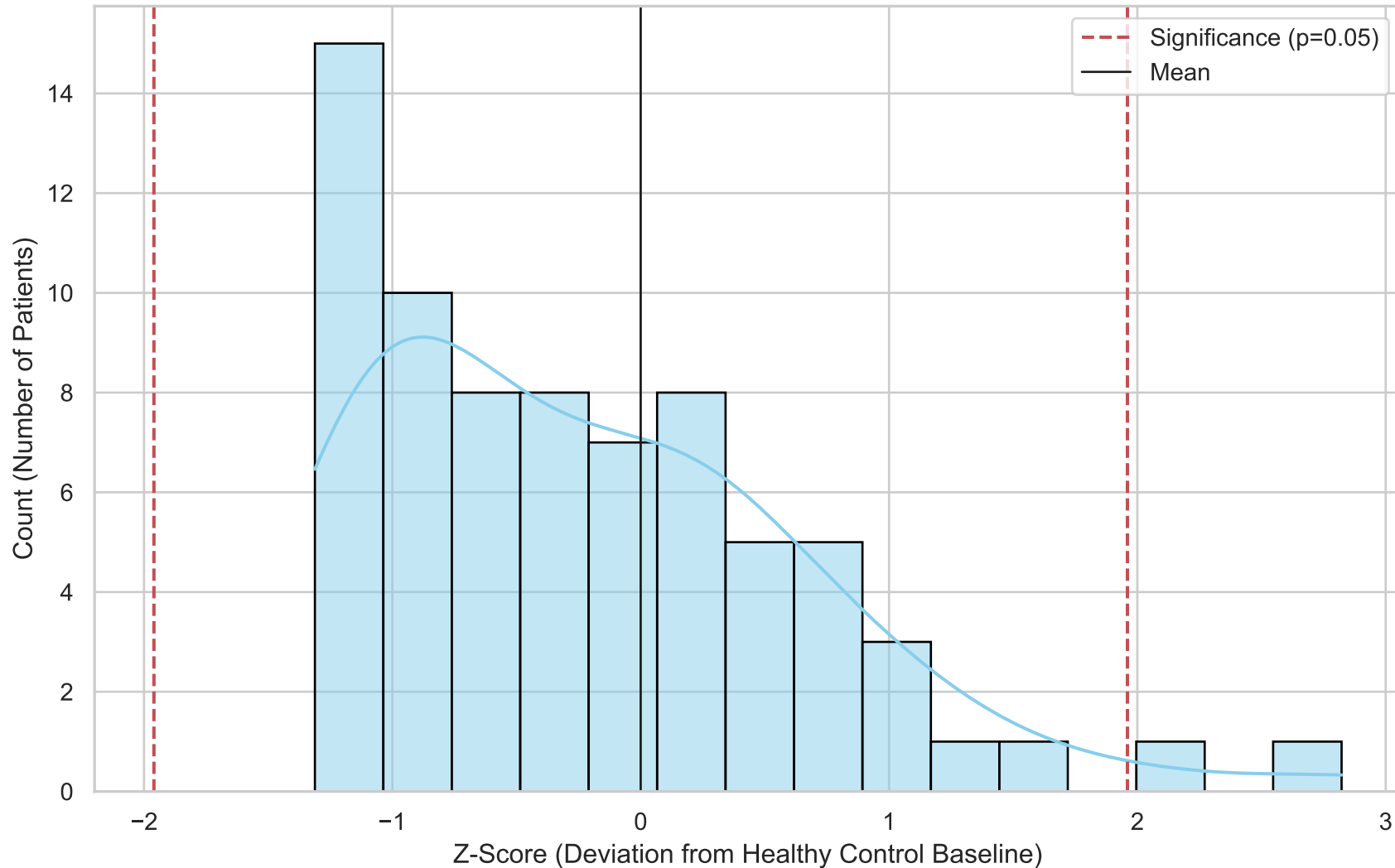-------------------

Count: 73

Mean: -0.2319
Std: 0.7637

Min: -1.3219
25%: -0.8227
50%: -0.3976
75%: 0.1957
Max: 2.1954

Z-Score Distribution: Ventroanterior Thalamus (Left)

Statistical Summary

Count: 73

Mean: -0.2281
Std: 0.8724

Min: -1.3119
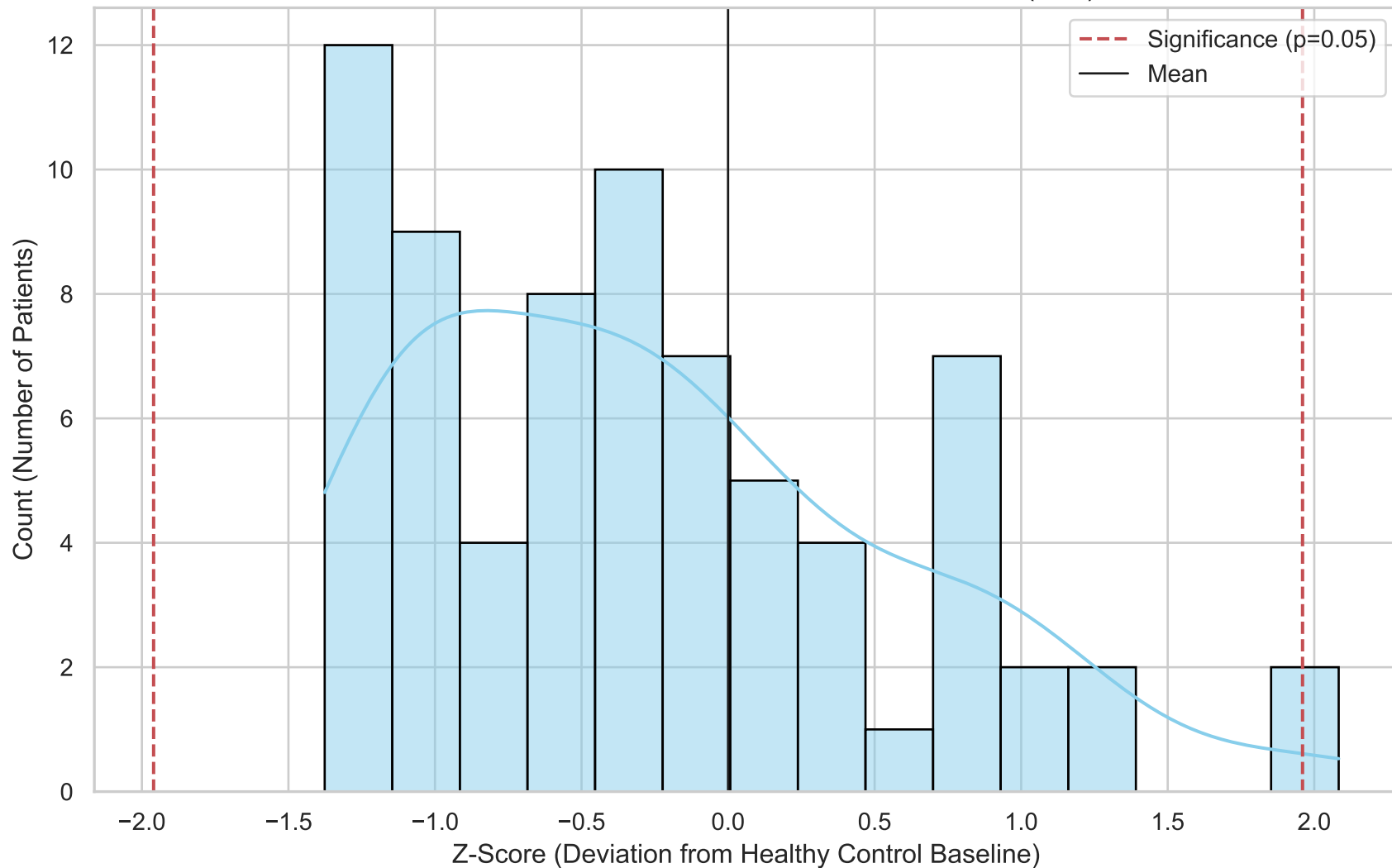25%:   -0.9773
50%:   -0.3877
75%:   0.3137
Max: 2.8223

Z-Score Distribution: Dorsoanterior Thalamus (Left)

Statistical Summary

Count: 73

Mean: -0.2628
Std: 0.8191

Min: -1.3763
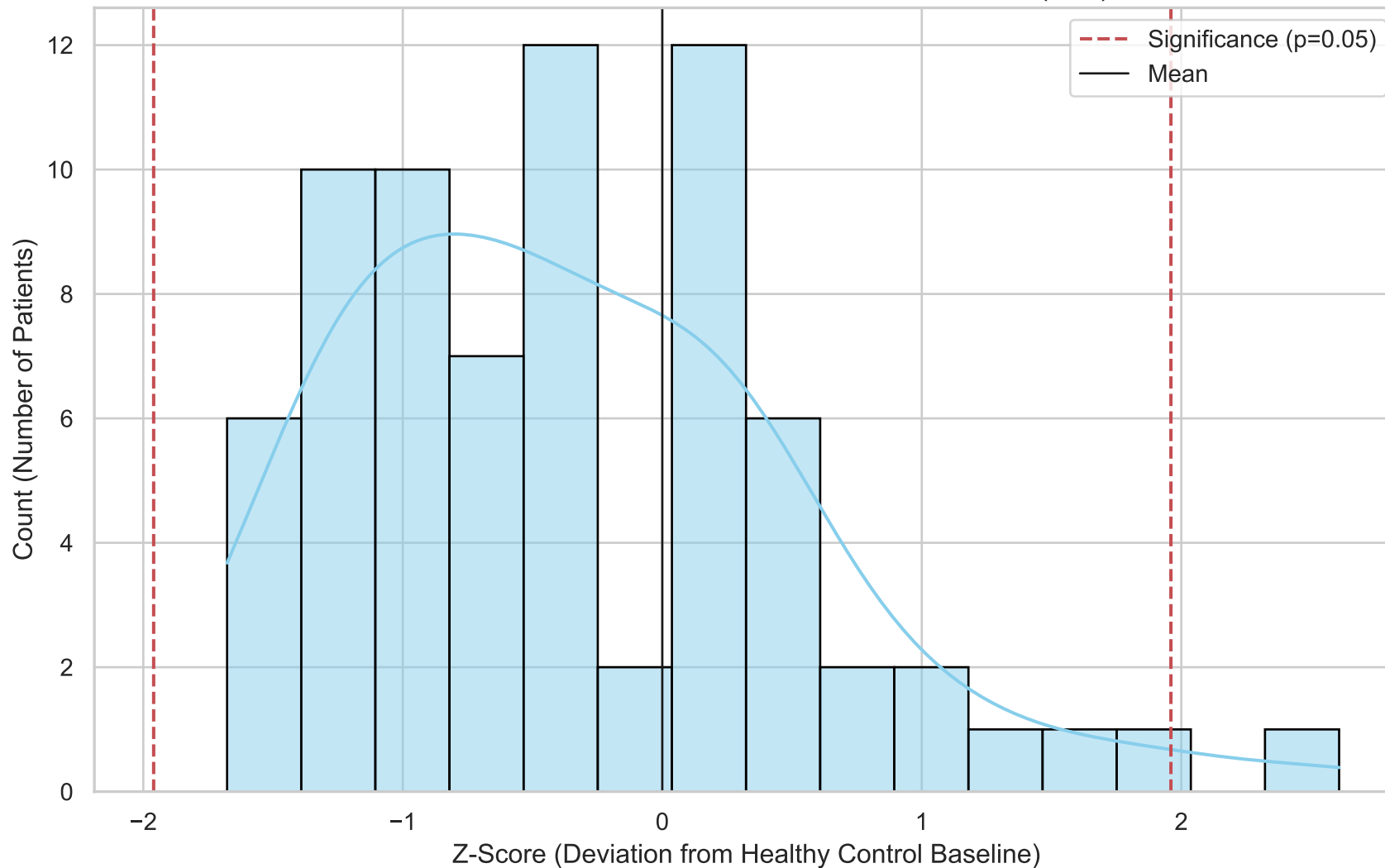25%: -0.9983
50%: -0.3845
75%: 0.1799
Max: 2.0833

Z-Score Distribution: Nucleus Accumbens Shell (Left)

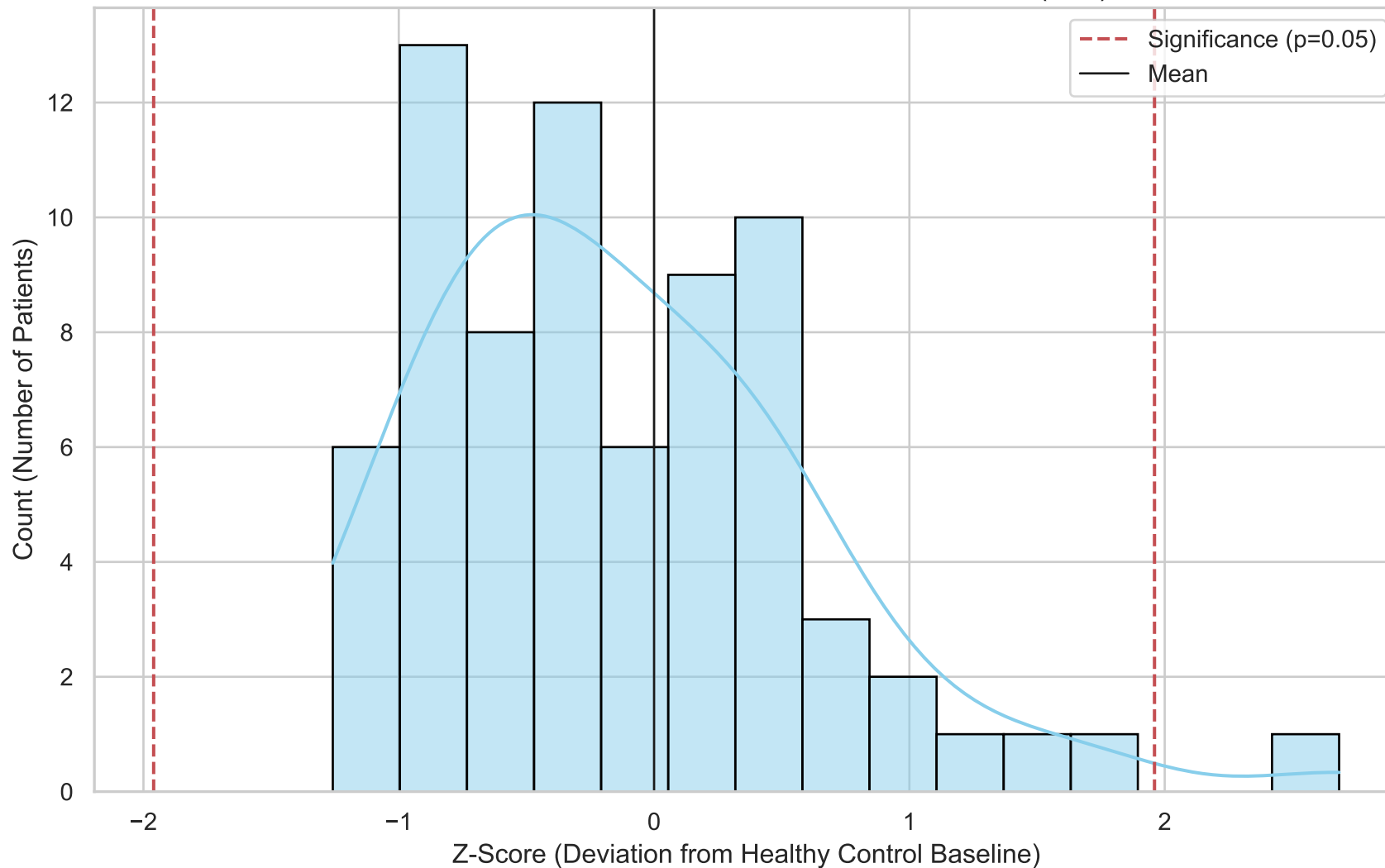Statistical Summary
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Count: 73

Mean: -0.3438
Std: 0.8675

Min: -1.6770
25%: -1.0500
50%: -0.4814
75%: 0.1569
Max: 2.6082

Z-Score Distribution: Nucleus Accumbens Core (Left)

Statistical Summary

Count: 73

Mean: -0.1317
Std: 0.7532

Min: -1.2583
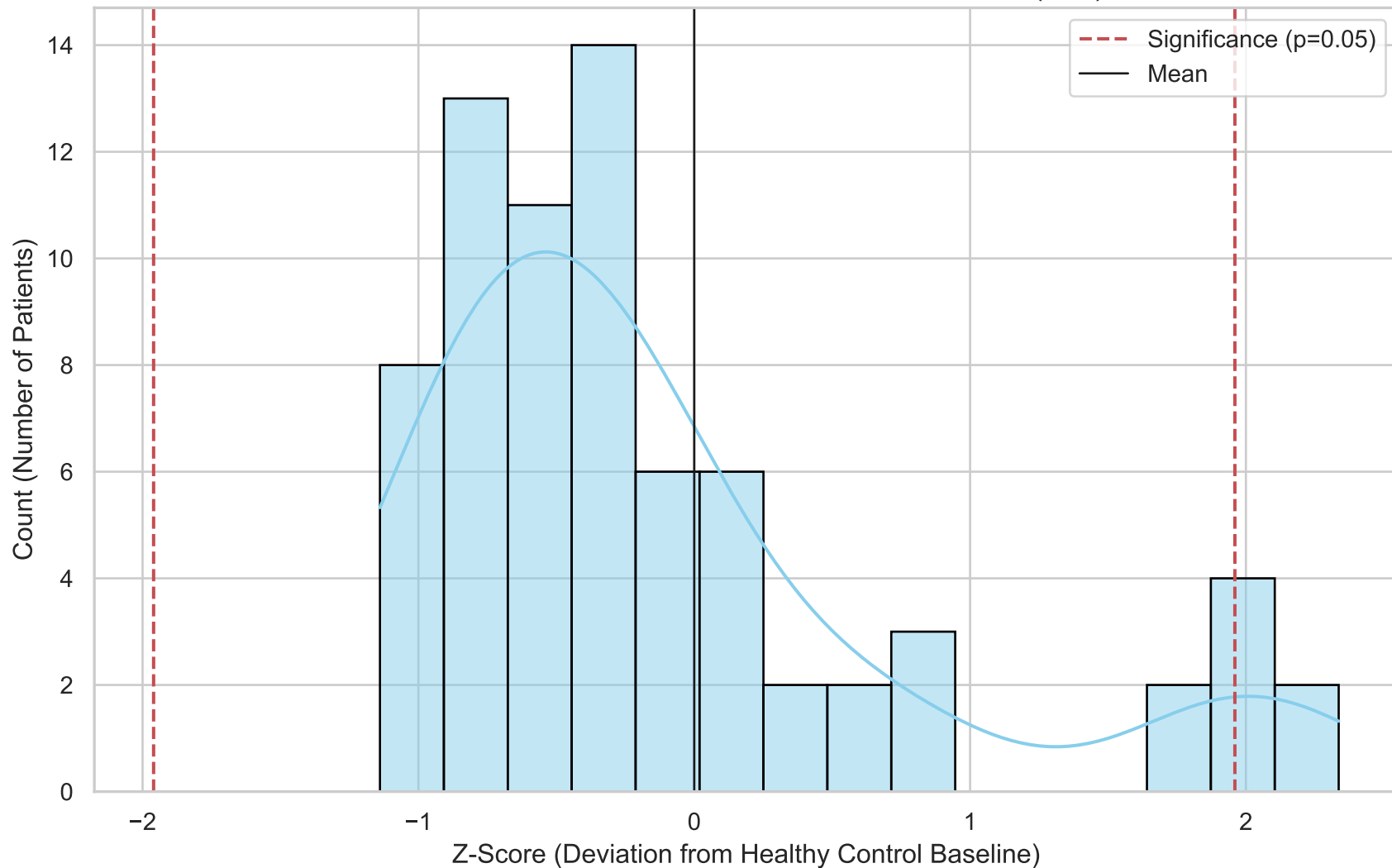25%: -0.7366
50%: -0.2599
75%: 0.3259
Max: 2.6831

Z-Score Distribution: Posterior Globus Pallidus (Left)

Statistical Summary
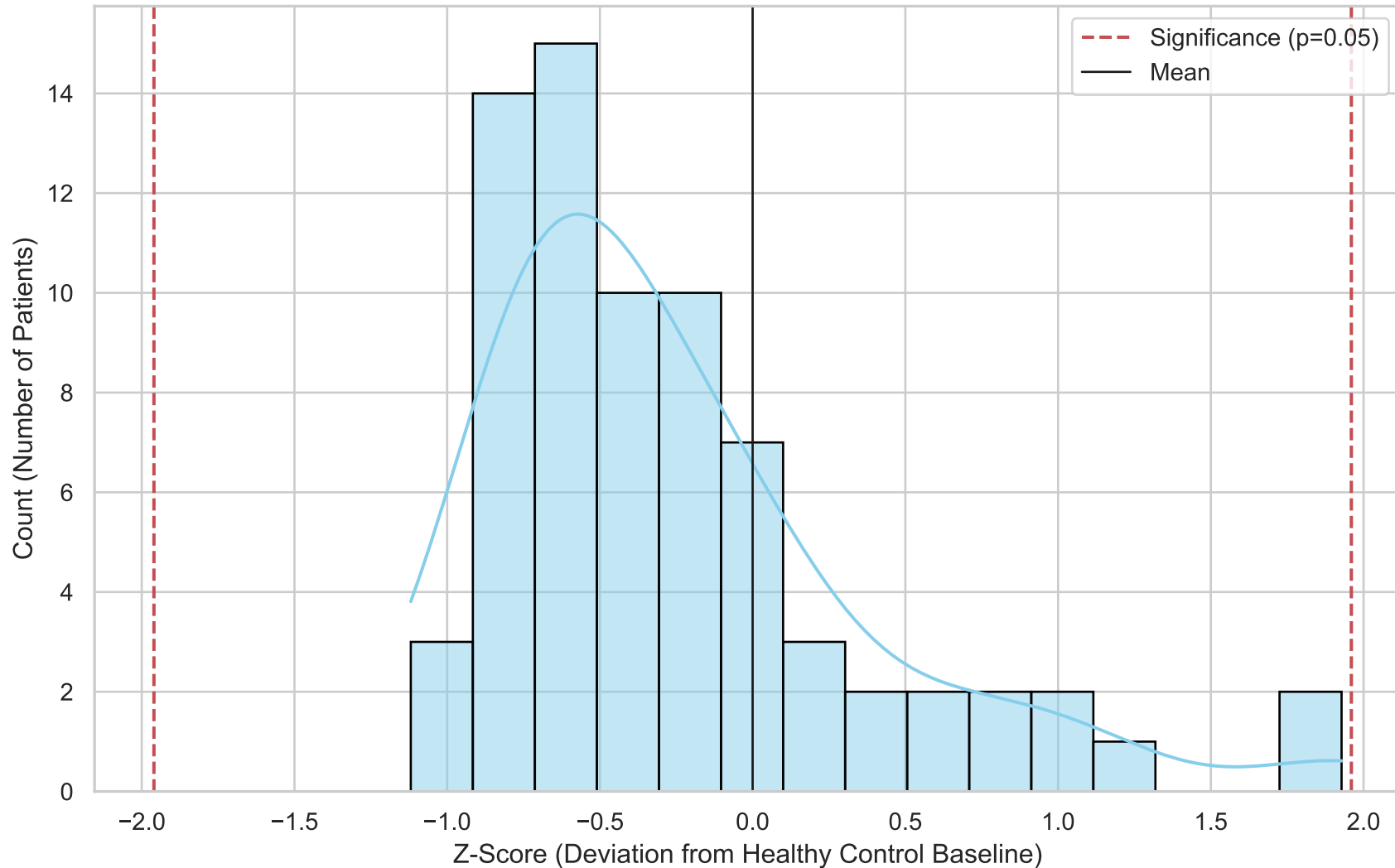-------------------

Count: 73

Mean: -0.1289
Std: 0.8905

Min: -1.1394
25%: -0.7077
50%: -0.3862
75%:   0.1042
Max: 2.3364

Legend:
- - - Significance (p=0.05)
——— Mean

X-axis: Z-Score (Deviation from Healthy Control Baseline)
Y-axis: Count (Number of Patients)

Z-Score Distribution: Anterior Globus Pallidus (Left)

Legend:
- Significance (p=0.05)
- Mean

Statistical Summary

Count: 73

Mean: -0.2493
Std: 0.6330

Min: -1.1191
25%: -0.7105
50%: -0.4308
75%: 0.0453
Max: 1.9280

X-axis: Z-Score (Deviation from Healthy Control Baseline)
Y-axis: Count (Number of Patients)

Z-Score Distribution: Anterior Putamen (Left)
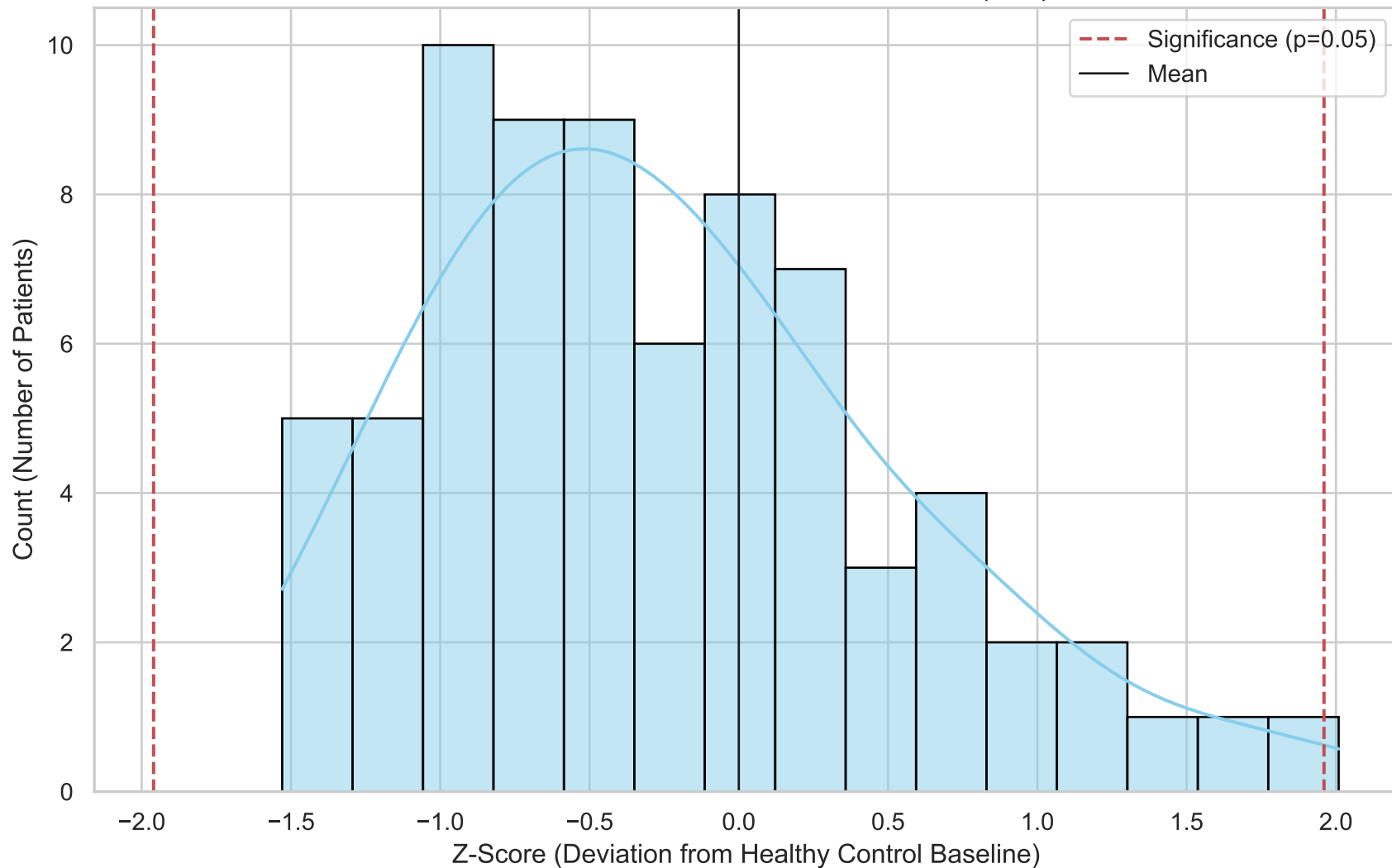
Statistical Summary

Count: 73

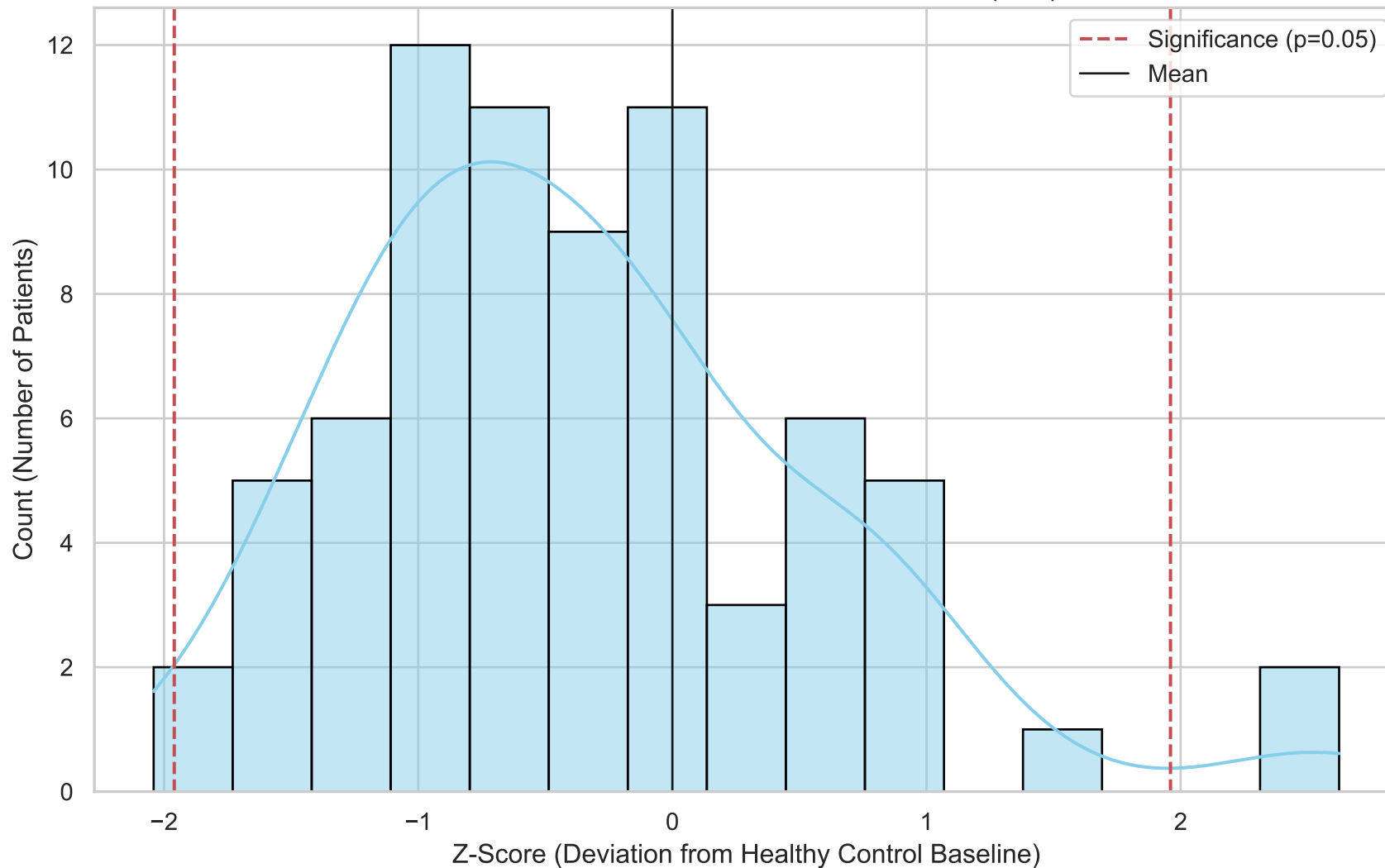Mean: -0.2532
Std: 0.7754

Min: -1.5294
25%:   -0.8631
50%:   -0.3809
75%:   0.1877
Max: 2.0092

Z-Score Distribution: Posterior Putamen (Left)

Statistical Summary

Count: 73

Mean: -0.3642
Std: 0.9052

Min: -2.0411
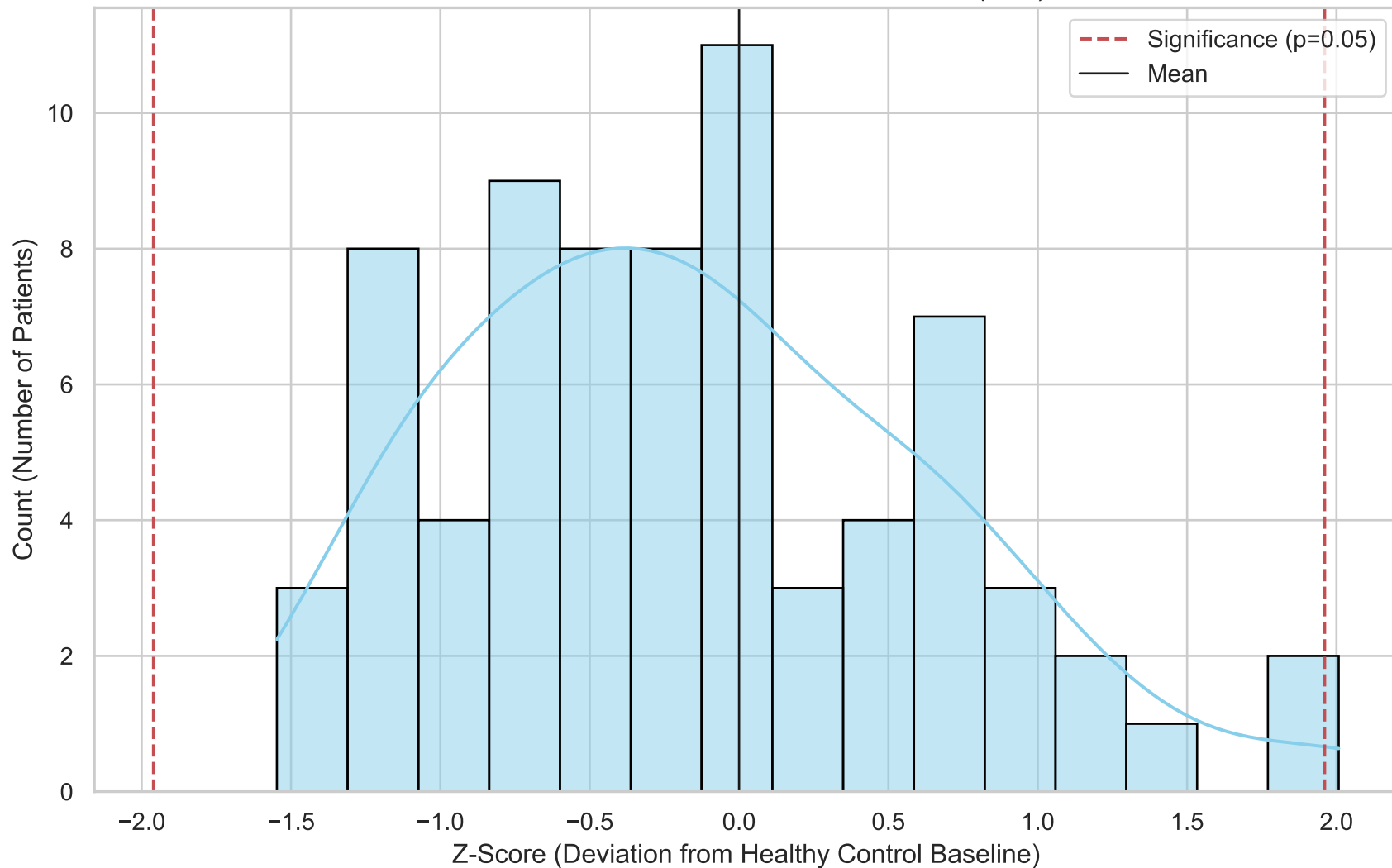25%:   -0.9787
50%:   -0.4790
75%:   0.0742
Max: 2.6236

Z-Score Distribution: Anterior Caudate (Left)

Statistical Summary

Count: 73

Mean: -0.1597
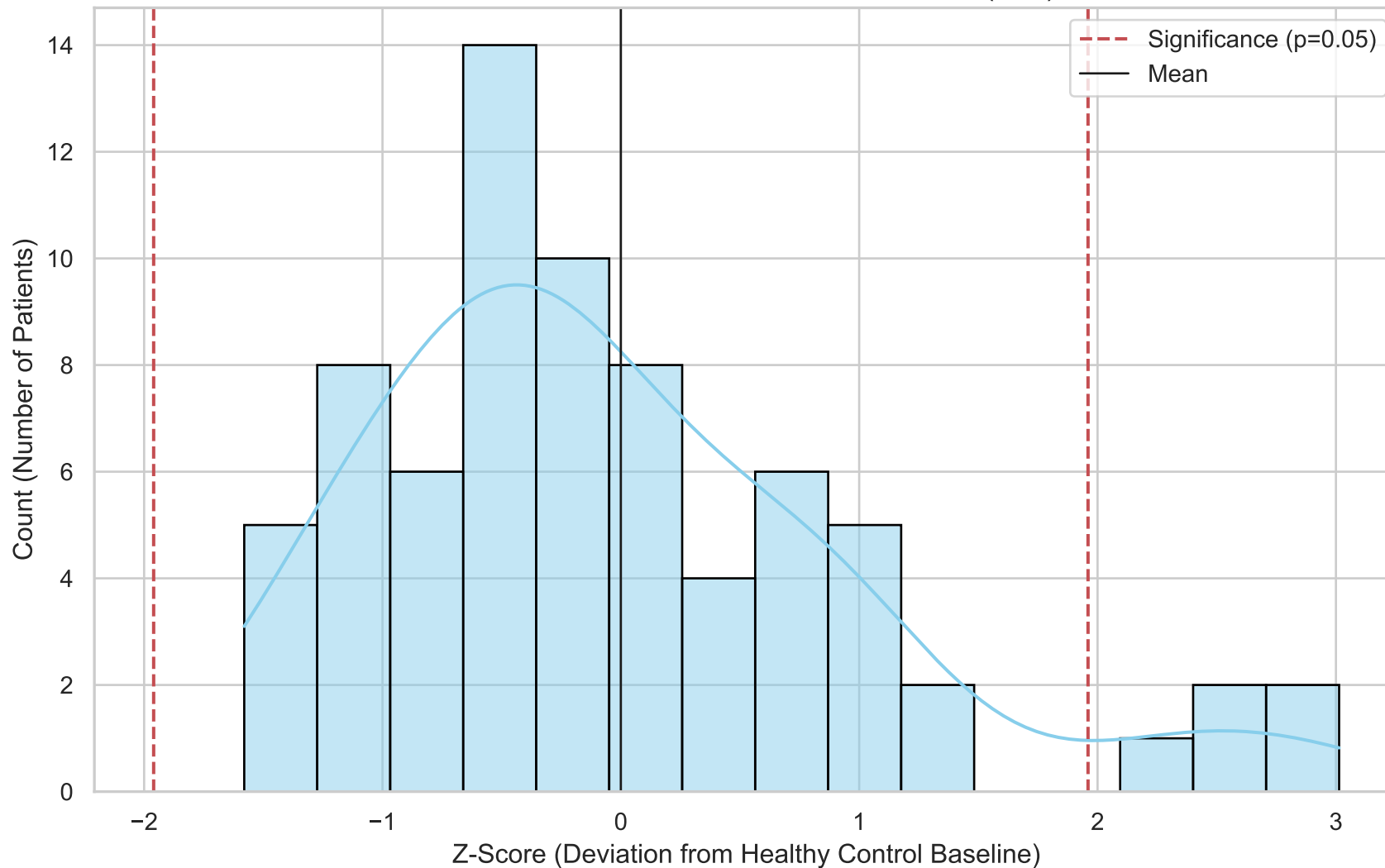Std: 0.7864

Min: -1.5474
25%:   -0.7058
50%:   -0.2044
75%:   0.4161
Max: 2.0074

Z-Score Distribution: Posterior Caudate (Left)