



Input anatomical MRI

Initial N4  
bias correction

Registration-based  
skull stripping

N4 using current  
white matter estimate

Atropos 3-tissue  
segmentation

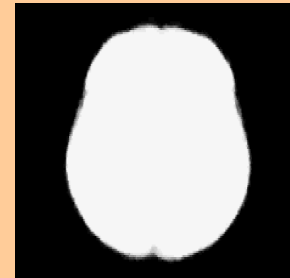
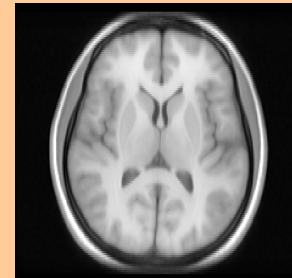
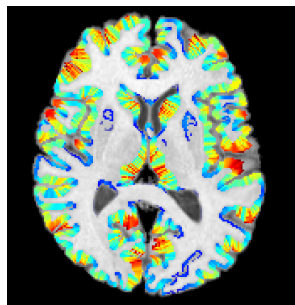
no

> 3 iterations?

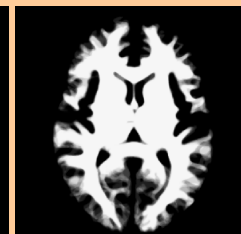
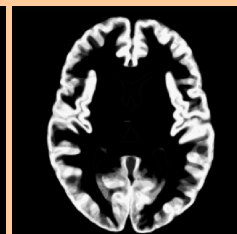
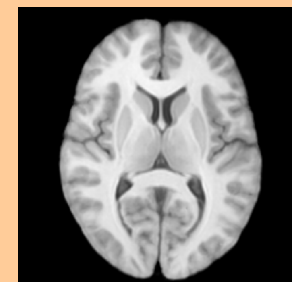
yes

DiReCT cortical  
thickness estimation

Output thickness  
map



ANTs/LPBA40 template  
with probability brain mask



ANTs/NIREP template with 3-tissue  
probability masks