

|    |           |                            |
|----|-----------|----------------------------|
| IN | inputnode | OUT                        |
|    |           | bias_corrected_t1          |
|    |           | epi                        |
|    | utility   | fs_2_t1_transform          |
|    |           | subject_id                 |
|    |           | subjects_dir               |
|    |           | t1_2_mni_forward_transform |
|    |           | t1_brain                   |
|    |           | t1_mask                    |
|    |           | t1_seg                     |
|    |           | t1_tpms                    |
|    |           | t1w                        |

|               |         |                        |
|---------------|---------|------------------------|
| IN            | EPI_HMC | OUT                    |
|               |         | outputnode.epi_mask    |
|               |         | outputnode.epi_split   |
|               |         | outputnode.movpar_file |
|               |         | outputnode.ref_image   |
| inputnode.epi |         | outputnode.xforms      |

|    |             |                      |
|----|-------------|----------------------|
| IN | FMAP_phdiff | OUT                  |
|    |             | outputnode.fmap      |
|    |             | outputnode.fmap_mask |
|    |             | outputnode.fmap_ref  |

|                        |            |                            |
|------------------------|------------|----------------------------|
| IN                     | SDC_unwarp | OUT                        |
|                        |            | outputnode.out_mask        |
|                        |            | outputnode.out_mask_report |
|                        |            | outputnode.out_reference   |
|                        |            | outputnode.out_warp        |
|                        |            | inputnode.fmap             |
| inputnode.fmap_mask    |            |                            |
| inputnode.fmap_ref     |            |                            |
| inputnode.in_mask      |            |                            |
| inputnode.in_reference |            |                            |
| inputnode.name_source  |            |                            |

|                             |                         |                             |
|-----------------------------|-------------------------|-----------------------------|
| IN                          | ref_epi_t1_registration | OUT                         |
|                             |                         | outputnode.epi_mask_t1      |
|                             |                         | outputnode.epi_t1           |
|                             |                         | outputnode.itk_epi_to_t1    |
|                             |                         | outputnode.itk_t1_to_epi    |
|                             |                         | inputnode.bias_corrected_t1 |
|                             |                         | inputnode.epi_split         |
|                             |                         | inputnode.fieldwarp         |
|                             |                         | inputnode.fs_2_t1_transform |
|                             |                         | inputnode.hmc_xforms        |
|                             |                         | inputnode.name_source       |
|                             |                         | inputnode.ref_epi           |
|                             |                         | inputnode.ref_epi_mask      |
|                             |                         | inputnode.subject_id        |
|                             |                         | inputnode.subjects_dir      |
|                             |                         | inputnode.t1_brain          |
| inputnode.t1_mask           |                         |                             |
| inputnode.t1_seg            |                         |                             |
| inputnode.t1w               |                         |                             |
| inputnode.unwarped_ref_epi  |                         |                             |
| inputnode.unwarped_ref_mask |                         |                             |

|      |             |     |             |
|------|-------------|-----|-------------|
| IN   | ds_epi_mask | OUT |             |
|      |             |     | in_file     |
|      |             |     | source_file |
| bids |             |     |             |

|    |               |     |                        |
|----|---------------|-----|------------------------|
| IN | SurfaceSample | OUT |                        |
|    |               |     | inputnode.name_source  |
|    |               |     | inputnode.source_file  |
|    |               |     | inputnode.subject_id   |
|    |               |     | inputnode.subjects_dir |

|    |                           |     |                       |
|----|---------------------------|-----|-----------------------|
| IN | fieldmap_unwarping_report | OUT |                       |
|    |                           |     | inputnode.in_post     |
|    |                           |     | inputnode.in_pre      |
|    |                           |     | inputnode.in_seg      |
|    |                           |     | inputnode.in_xfm      |
|    |                           |     | inputnode.name_source |

|    |                    |     |                       |
|----|--------------------|-----|-----------------------|
| IN | ConfoundDiscoverer | OUT |                       |
|    |                    |     | inputnode.epi_mask    |
|    |                    |     | inputnode.fmri_file   |
|    |                    |     | inputnode.movpar_file |
|    |                    |     | inputnode.source_file |
|    |                    |     | inputnode.t1_tpms     |

|    |                      |     |                                      |
|----|----------------------|-----|--------------------------------------|
| IN | EPIMNITransformation | OUT |                                      |
|    |                      |     | inputnode.epi_mask                   |
|    |                      |     | inputnode.epi_split                  |
|    |                      |     | inputnode.fieldwarp                  |
|    |                      |     | inputnode.hmc_xforms                 |
|    |                      |     | inputnode.itk_epi_to_t1              |
|    |                      |     | inputnode.name_source                |
|    |                      |     | inputnode.t1                         |
|    |                      |     | inputnode.t1_2_mni_forward_transform |
|    |                      |     | inputnode.unwarped_epi_mask          |