# TEST 1

## 2 data sets, single-key checks

Confirm that macro behaves as expected when comparing records in *a single* data set to those in a single reference data set, according to a single key.

For example, ensuring that all USUBJID values in an AE data set are also in a subject-level data set such as ADSL.

## Checks

1. Check that fractional numeric key works as expected
   1. extra records in the REFERENCE data set are OK – macro
      1. does NOT create the FAIL\_CRDS data set, and
      2. DOES set a global macro var CONTINUE=1
   2. extra records in the RELATED data set are NOT ok – macro
      1. DOES create the expected FAIL\_CRDS data set, and
      2. DOES set a global macro var CONTINUE=0
2. Check that char key works as expected
   1. extra records in the REFERENCE data set are OK (same as above)
   2. extra records in the RELATED data set are NOT ok (same as above)

# TEST 2

## Multiple related data sets, multiple-key checks

Confirm that macro behaves as expected when comparing records in *multiple* related data sets to those in a single reference data set, according to multiple num/char keys.

For example, ensuring that all USUBJID values in data sets AE, LB, and VS are also in a subject-level data set such as ADSL.

## Checks

1. Check that the REFERENCE data set can have extra records not found in any of the RELATED data sets according to a set of 3 num/char unique keys – macro
   1. does NOT create the FAIL\_CRDS data set, and
   2. DOES set a global macro var CONTINUE=1
2. Check that each RELATED data set does NOT have any records not in the REFERENCE data set, according to a set of 3 num/char unique keys – macro
   1. DOES create the expected FAIL\_CRDS data set, and
   2. DOES set a global macro var CONTINUE=0

# TEST 3

## Confirm expected log messages

The following log messages are EXPECTED due to test design (testing failure conditions):

WARNING: (TEST\_ASSERT\_COMPLETE\_REFDS) User must ensure PhUSE/CSS utilities are in the AUTOCALL path.

ERROR: (ASSERT\_COMPLETE\_REFDS) Result is FAIL. Obs missing from reference dset MY\_REFERENCE: 1.5 in\_ds1=0 in\_ds2=1

ERROR: (ASSERT\_COMPLETE\_REFDS) Result is FAIL. Obs missing from reference dset MY\_REFERENCE\_C: Record 1.5 in\_ds1=0 in\_ds2=1

ERROR: (ASSERT\_COMPLETE\_REFDS) Result is FAIL. Obs missing from reference dset MY\_REF\_2: 1.002 Rec D Subrec 1.002 in\_ds1=0 in\_ds2=0 in\_ds3=1 in\_ds4=0

ERROR: (ASSERT\_COMPLETE\_REFDS) Result is FAIL. Obs missing from reference dset MY\_REF\_2: 1.5 Record B Subrec 0.001 in\_ds1=0 in\_ds2=1 in\_ds3=0 in\_ds4=0

ERROR: (ASSERT\_COMPLETE\_REFDS) Result is FAIL. Obs missing from reference dset MY\_REF\_2: 2.003 Record C Subrec 400 in\_ds1=0 in\_ds2=0 in\_ds3=0 in\_ds4=1

ERROR: Errors printed on pages 12,15,20.