Stage :0→0; I→1；II→2；III→3；IV→4；Unknow→5

T : T0→0；Tis→1；T1→2；T2→3；T3→4；T4→5；Tx→6；Unknown→7

N : N0→0；N1→1；N2→2；N3→3；Nx→4；Unknown→5

M : M0→0；M1→1；Unknown→2

Race : White→0；Black→1；Asian or Pacific Islander→2；American Indian/Alaska Native→4

Chemotherapy/Radiation : No/Unknown→0；Yes→1

Primary Site : C50.1-Central portion of breast→1；C50.2-Upper-inner quadrant of breast→2,；C50.3-Lower-inner quadrant of breast→3；C50.4-Upper-outer quadrant of breast→4,；C50.5-Lower-outer quadrant of breast→5；C50.6-Axillary tail of breast→6；C50.8-Overlapping lesion of breast→7；C50.9-Breast, NOS→8Laterality : Left→0；Right→1；Other→2

ER/PR/HER2 : Positive→0；Negative→1；Borderline→2；Unknown→3

Marital status at diagnosis : Married→0；Divorced→1；Single→2；Widowed→3；Separated→4；Unmarried or Domestic Partner→5；Unknown→6

Age : ＜45→0；≥45；＜55→1；≥55；＜65→2；≥65；＜75→3；≥85→4

Grade : I→0；II→1；III→2；Unknown→3

COD to site recode : Alive→0；Breast→1；Other→2 (cause of death)

Mets at DX-Bone/Brain/Liver/lung : No→0；Yes→1；Unknown→2

Breast Subtype : HR+/HER2- (Luminal A)→0；HR+/HER2+ (Luminal B)→1；HR-/HER2+ (HER2 enriched)→2；HR-/HER2- (Triple Negative)→3；Unknown→4

Year of diagnosis : 2010→0；2011→1；2012→2；2013→3；2014→4；2015→5