

CBCS Phase 3 – Centralized Pathology Review Variables

Variable	Description	Comment
STUDYID	CBCS Study ID	
HISTYPE3	(C9) Histologic type 1 = Ductal, NOS 2 = Tubular 3 = Cribriform 4 = Papillary 5 = Mucinous 6 = Medullary 7 = DCIS with focal invasion 8 = Lobular 9 = Pleomorphic lobular 10=Micropapillary 11=Metaplastic 12=Other, specify 13=Mixed ductal/lobular 14=Mixed, other	
C9_MIX_OTHER1 C9_MIX_OTHER2 C9_MIX_OTHER3	Mixed, Other (codings are the same as C9)	Code up to 3 mixed types.
HGRADE	(C10) Histologic grade 1 = Well diff./good tubule formation 2 = Mod. diff./mod. tubule formation 3 = Poorly diff./scant or no tubule formation 9 = Unknown	

NGRADE	(C11) Nuclear grade 1 = Slight pleomorphism 2 = Moderate pleomorphism 3 = Marked pleomorphism 9 = Unknown	
MITOTIC	(C12) Mitotic grade 1 = Nottingham MG1 (1) 2 = Nottingham MG2 (2) 3 = Nottingham MG3 (3) 9 = Unknown	The category label is different from Phase 1. However, the 2 versions are equivalent per Dr. Geradts.
CGRADE	(C13) Combined grade 1 = Grade I (3-5) 2 = Grade II (6-7) 3 = Grade III (8-9) 9 = Unknown	
TUMOR_NECROSIS	(C14) Tumor necrosis 1 = None 2 = Focal 3 = Marked 9 = Unknown	
LYMPH_INFILTRATE	(C15) Lymphocytic infiltrate 1 = None/minimal 2 = Mild 3 = Dense 9 = Unknown	

<p>HISTCAT</p>	<p>Histologic groups 1 = Ductal NOS 2 = Mixed ductal/non-lobular (Except ductal/metaplastic) 3 = Medullary carcinoma 4 = Apocrine carcinoma 5 = Tubular carcinoma 6 = Mucinous carcinoma 7 = Papillary carcinoma 8 = Cribriform carcinoma 9 = Metaplastic carcinoma 10 = Anaplastic carcinoma 11 = Undifferentiated high grade 12 = Lobular carcinomas 13 = Mixed ductal and lobular 14 = Neuroendocrine 15 = DCIS w/ focal invasion 17 = Micropapillary carcinoma 18 = Others 20 = Mixed ductal/metaplastic 21 = Mixed lobular/non-ductal 22 = Pleomorphic lobular carcinoma 23 = Mixed non-ductal/non-lobular 99 = Unknown</p>	<p>This was initially defined by Bob so that the same variable can be used in all 3 phases. Categories added and edited by Dr. Geradts in 2016.</p> <p>Categories 17, 18, 20, 21, 22, and 23 are new to CBCS3.</p> <p>Categories 18 & 19 are combined in 1 category (18).</p>
<p>HISGROUP</p>	<p>Histologic groups 1 = Group A 2 = Group B 3 = Group C 4 = Group D 5 = Group E 6 = Group F 99=Unknown</p>	<p>Defined by Dr. Geradts.</p> <p>Group A: HISTCAT= 1, 2, 3, 4, 14, 15, 17 Group B: HISTCAT= 5, 6, 7, 8 Group C: HISTCAT= 9, 10, 11, 20, 22 Group D: HISTCAT= 12 Group E: HISTCAT= 13, 21 Group F: Other/Non-classified</p> <p>For HISTCAT=18 and 23, the histologic group assignment was done on a case by case basis by Dr. Geradts.</p>