

Supplementary Online Content

Chan AW, Fung K, Tran JM, et al. Application of recursive partitioning to derive and validate a claims-based algorithm for identifying keratinocyte carcinoma (nonmelanoma skin cancer). *JAMA Dermatol*. Published online August 10, 2016. doi:10.1001/jamadermatol.2016.2609.

eTable. Predictor Variables Based on Ontario Health Insurance Program (OHIP) Claims

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Predictor Variables Based on Ontario Health Insurance Program (OHIP) Claims

VARIABLE	OHIP CLAIM CODES
Procedure	
Type of index claim for cutaneous specimen collection	<u>Skin cancer surgery</u> : R002-4, R011, R012, R018-20, R031-33, R040, R041, R045-50, R072-81, R083-88, R091-94, R100, R101, R319, S010-12, Z504, E222, E227, E300, E301, E942, E943 <u>Skin biopsy</u> : Z113, Z116, Z503 <u>Excision of pre-malignant skin lesion</u> : R160-165 <u>Anogenital biopsy/excision</u> : Z475, Z477, Z544, Z701, Z702, Z736, Z767, Z769, S249, S573-577, S618, S703, S704 <u>Other</u> : Z096, Z097, Z122, Z123, Z145-152, Z156-165, Z169-171, R034, R036, R037, R042, R043, R054, R059, R060
Skin cancer surgery within 30, 60, 90, 120, 150, and 180 days after specimen collection	See above
Skin cancer surgery within 30, 60, 90, 120, 150, and 180 days before specimen collection	See above
Total counts of skin cancer surgery within +/- 180 days of specimen collection (continuous)	See above
Radiation oncology claim within 30, 60, 90, 120, 150, and 180 days after specimen collection	<u>Radiation consultation</u> : A340, A341, A343, A345, A346, A348, A745, C341, C343-346, C745 <u>Radiation treatment</u> : X310-313, X322-325
Excision specifically for anogenital tumors (negative predictor) within 30, 60, 90, 120, 150, and 180 days after specimen collection	S249, S574-576, S618, S703, S704
Diagnosis code	
Keratinocyte carcinoma on the index claim for cutaneous specimen collection (yes/no)	173
Keratinocyte carcinoma within 180 days after index claim (30, 60, 90, 120, 150, and 180 days, 6 categories)	173
Keratinocyte carcinoma within 180 days before index claim (30, 60, 90, 120, 150, and 180 days, 6 categories)	173
Total counts of keratinocyte carcinoma diagnosis codes within 180 days after index claim (continuous)	173
Total counts of keratinocyte carcinoma diagnosis codes in the +/- 180 days within index claim (continuous)	173
Keratinocyte carcinoma in-situ in the post 180-days, 6 categories	232
Anogenital cancer in the post 180-days, 6 categories	154, 184, 187
Anogenital cancer on the index claim (yes/no)	154, 184, 187

VARIABLE	OHIP CLAIM CODES
Diagnosis code	
Keratinocyte carcinoma in-situ on the index claim (yes/no)	232
Melanoma on the index claim (yes/no)	172
Health services	
Lab claim, Index claim (for cutaneous specimen collection), Both, or none found (4 categories)	<u>Lab claim:</u> L821, L839, L840, L862-867 <u>Index claim:</u> See above
Physician's specialty on index claim	Dermatology Family practice Surgery (Plastic/General/Head and neck) Others

*Includes claims for excision, reconstruction, curettage, electrodesiccation, cryosurgery.