

Appendix 1 (as supplied by the authors): Algorithm to classify UPC exposure status: family physician, pediatrician, no primary care

- 1) If patient had any billing code (i.e. service code) indicating that he/she was enrolled with a family physician then UPC = family physician.
- 2) No billing codes found in step 1, then if service code billed by pediatricians for monitoring of growth and development present then UPC = pediatrician.
- 3) No billing codes found in steps 1 or 2, then total number of visits with family physicians and pediatricians calculated. A UPC is assigned if there were at least 2 visits with the same physician in the 2-year exposure period up to 7 days prior to first time diagnosis of diabetes.
 - a. UPC = family physician if the maximum number of visits with the same family physician is ≥ 2 and is $>$ the maximum number of visits with the same pediatrician.
 - b. UPC = pediatrician if the maximum number of visits with the same pediatrician is ≥ 2 and is $>$ the maximum number of visits with the same family physician.
 - c. In the case of a tie, a UPC was assigned as a family physician if 2 complete annual medical exams were billed by a family physician; otherwise they were assigned a pediatrician.
- 4) If no UPC assigned through steps 1 to 3, then UPC = no primary care.

Step 3c was modified for the sensitivity analyses:

Analysis 1: UPC = pediatrician if patients have at least 2 visits with a pediatrician

Analysis 2: UPC = family physician if patients have at least 2 visits with a family physician

Type of code	Service Codes
Enrolment with family physician or pediatrician	00059, 08875, 08877, 15144, 15145, 15148, 15156, 15157, 15158, 15159, 15169, 15170, 15171, 15189, 19074, 19951, 19952, 19954, 19955, 19956, 19957, 19958, 19959, 19960
Pediatrician (monitoring growth and development)	09194
Visits with family physicians or pediatricians	00002, 00007, 00012, 00075, 00474, 08855, 08857, 08858, 08866, 08867, 08870, 00005, 08871, 00056, 08872, 00097, 08873, 08874, 08901, 08807, 08902, 08809, 09092, 15161, 15230, 09127, 09129, 09171, 09172