

Definition and Notes

Measure: **Percent of Population Attached to a GP Practice**
Percent of Population Attached to a Specific General Practitioner

Years: **2010/2011 - 2014/2015**

Measure Specification: **1 Numerator:** There are two attachment measures - 1) attached to a GP practice, and 2) attached to a specific GP within that GP practice. A "practice" is a group of GPs working together or a GP (working alone).

First determine attachment at the **GP practice** level, then determine attachment at the **individual GP** level within visits at that practice.

To be attached to a **GP practice**, requires more than 50% of visits to be at a single practice. A patient's visit history is examined as described below. If a patient had:

- o five or greater visits in the most recent fiscal year, all visits in the most recent fiscal year are considered
- o fewer than five visits in the most recent fiscal year, go back up to 10 years to find exactly five visits
- o only 3 or 4 visits in total looking back up to 10 years, and all three visits were at the same practice (or three out of four visits), this is considered to indicate attachment. This is similar to a majority within 5 visits.
- o an even number of visits (6 or greater) in the most recent fiscal year, also include the next prior visit if possible, to arrive at an odd visit count.

To be attached to an **individual GP** within that practice requires more than 50% of visits at that practice to be to a single GP (in the practice), where the same rules as above apply (to visits within the practice).

Practices were defined for each of the five fiscal years based on payee and Teleplan number. A payee may represent a solo or group practice, or a group practice may be represented by more than one payee number where an address (postal code) is shared. Teleplan numbers (a.k.a. data centres) with names that appear to indicate data processing centres (or have type other than Practitioner or Clinic) are not used to group payees

Not Attached refers to patients who had sufficient visits for the Attachment algorithm (as described above), but who were not identified as attached. For these patients, no practice provided the clear majority of visits (more than 50%).

Unknown refers to patients who did **not** have sufficient visits for the Attachment algorithm (i.e. fewer than 3 within 10 years).

- 2 Denominator** for percentages: For all percentages (attached, unattached, unknown), the denominator is the count of people in the Ministry of Health HealthIdeas Client Roster for the year.

3 These rates measure GP attachment across the whole BC Population (people in Ministry of Health Healthideas Client Roster), including people for whom no MSP claims information was found in the last 10 years. Please note that the Attachment Algorithm applies to patients who had at least 3 GP visits within the past 10 years. As a result, it misses about 8% of British Columbians (who had fewer than 3 GP visits within the past 10 years): this cohort is categorized as "Unknown".

4 Data source: *MSP Claims for the fiscal year 2014/2015 and the nine preceding years.*

The same rule applied to each other fiscal year shown.

Claims must meet the following rules:

- o All visits to GPs by BC residents are included, *except for* :
 - o Third party (ICBC, WorkSafeBC, etc)
 - o Claims for newborns under the mother's PHN
 - o Lab, diagnostic, surcharge & no charge items, and tray fees
 - o Services in hospital, identified by service location
- o Encounter fees (\$0) provided by APP and PBF physicians are *included* , where submitted
- o Encounter fees (\$0) provided by Nurse Practitioners are *not* included
- o One **visit** is defined as the unique combination of provider (at practice or GP level), patient, and service date. Non face-to-face encounters are included in the definition of visit.

5 MSP claims for the 10 fiscal years of services (used to apply the algorithm to each year) are all paid up to September 30 of the last fiscal year. Please see Notes below.

6 HA is based on the address (postal code) of each patient as stored in the Ministry of Health Healthideas Client Roster for the fiscal year.

Notes:

2014/2015 data, 10 years ending March 31, 2015, paid to September 30, 2015;
 2013/2014 data, 10 years ending March 31, 2014, paid to September 30, 2014;
 2012/2013 data, 10 years ending March 31, 2013, paid to September 30, 2013;
 2011/2012 data, 10 years ending March 31, 2012, paid to September 30, 2012;
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Percent of Population Attached to a GP Practice

Percent of Population Attached to a Specific General Practitioner

⚠ Data should be interpreted with caution. Please refer to the "Definition & Notes" for additional information.

Measure: Percent of Population Attached to a GP Practice

Health Authority		2010/2011	2011/2012	2012/2013	2013/2014	2014/2015
1	IHA	80.2%	80.4%	80.4%	80.4%	79.6%
2	FHA	78.6%	78.2%	77.5%	77.3%	77.5%
3	VCHA	77.8%	77.7%	77.3%	77.6%	77.4%
4	VIHA	81.8%	81.5%	80.8%	80.5%	79.2%
5	NHA	81.9%	82.2%	82.2%	81.3%	79.1%
	Unknown HA	46.6%	48.8%	49.6%	45.9%	42.6%
	BC	78.9%	78.7%	78.3%	78.2%	77.7%

Measure: Percent of Population Not Attached to a GP Practice

Health Authority		2010/2011	2011/2012	2012/2013	2013/2014	2014/2015
1	IHA	13.1%	13.0%	13.1%	12.9%	13.3%
2	FHA	14.7%	15.2%	15.9%	16.1%	15.8%
3	VCHA	12.1%	12.2%	12.4%	12.5%	12.6%
4	VIHA	12.6%	12.9%	13.4%	13.6%	14.6%
5	NHA	11.5%	11.1%	11.1%	11.9%	14.0%
	Unknown HA	11.9%	12.9%	12.6%	11.6%	10.9%
	BC	13.2%	13.4%	13.8%	14.0%	14.2%

Measure: Percent of Population with unknown attachment (insufficient number of visits)

Health Authority		2010/2011	2011/2012	2012/2013	2013/2014	2014/2015
1	IHA	6.7%	6.6%	6.5%	6.7%	7.1%
2	FHA	6.7%	6.6%	6.6%	6.6%	6.7%
3	VCHA	10.1%	10.2%	10.2%	10.0%	10.0%
4	VIHA	5.6%	5.7%	5.8%	5.9%	6.1%
5	NHA	6.6%	6.7%	6.7%	6.8%	6.9%
	Unknown HA	41.5%	38.3%	37.9%	42.4%	46.5%
	BC	7.8%	7.8%	7.9%	7.8%	8.0%

Measure: Percent of Population Attached to a Specific General Practitioner (within a GP Practice)

Health Authority		2010/2011	2011/2012	2012/2013	2013/2014	2014/2015
1	IHA	65.9%	66.0%	66.0%	66.2%	65.5%
2	FHA	66.4%	66.3%	65.9%	66.1%	66.5%
3	VCHA	65.0%	64.8%	64.5%	64.4%	64.0%
4	VIHA	67.2%	66.9%	66.3%	65.8%	65.4%
5	NHA	61.9%	60.8%	61.3%	60.6%	59.5%
	Unknown HA	37.7%	38.6%	39.0%	36.1%	33.6%
	BC	65.4%	65.2%	64.9%	64.9%	64.7%

**Measure: Percent of Population Attached to a GP Practice
Percent of Population Attached to a Specific General Practitioner
British Columbia and Health Authority, Fiscal Year 2011/12 to 2015/16**

Date: February 10, 2017

Project #: 2017_011

Source: Administrative data: MSP billing data and Client Roster, BC Ministry of Health

Note Data for fiscal year 2011/12 to 2015/16 were updated as of February 10, 2017 to reflect the most recent client roster.

Contact:

Jemal Mohamed, Sr. Health Economist, HSIAR

Client: Eric Larson, HSIAR, Ministry of Health

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Attachment Rates	Percentage of Attachment to GP/Group Practice by HA

The information contained in this/these spreadsheet(s) is of a summary nature and may be released in its entirety (Cover Sheet and relevant Tabs) for the purpose for which it was provided. However, as it was prepared to address a specific question, other use or manipulation of the data is not permitted.

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British Columbia and Health Authority, Fiscal Year 2011/12 to 2015/16

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4	VIHA	81.5%	80.8%	80.6%	79.9%	79.1%
5	NHA	82.2%	82.2%	81.3%	79.1%	76.8%
	Unknown HA	48.8%	49.6%	45.9%	42.7%	38.9%
	BC	78.8%	78.3%	78.2%	77.8%	76.9%

Measure: Percent of Population Not Attached to a GP Practice

Health Authority		2011/2012	2012/2013	2013/2014	2014/2015	2015/2016
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	Unknown HA	13.0%	12.6%	11.7%	10.7%	12.5%
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Health Authority		2011/2012	2012/2013	2013/2014	2014/2015	2015/2016
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4	VIHA	5.6%	5.8%	5.8%	6.1%	6.4%
5	NHA	6.6%	6.7%	6.8%	6.9%	7.0%
	Unknown HA	38.3%	37.8%	42.5%	46.6%	48.6%
	BC	7.8%	7.9%	7.8%	8.0%	8.2%

Measure: Percent of Population Attached to a Specific General Practitioner (within a GP Practice)

Health Authority		2011/2012	2012/2013	2013/2014	2014/2015	2015/2016
1	IHA	66.1%	66.0%	66.2%	65.6%	65.1%
2	FHA	66.3%	65.9%	66.2%	66.4%	66.1%
3	VCHA	64.8%	64.5%	64.4%	64.0%	63.4%
4	VIHA	66.9%	66.4%	65.9%	65.6%	65.1%
5	NHA	60.8%	61.3%	60.7%	59.3%	57.6%
	Unknown HA	38.6%	38.9%	36.1%	33.6%	31.2%
	BC	65.2%	64.9%	64.9%	64.7%	64.1%