

## Sandhu, Jat [BCCDC]

---

**From:** Frosst, Gillian <Gillian.Frosst@interiorhealth.ca>  
**Sent:** Tuesday, January 19, 2021 10:38 AM  
**To:** Sandhu, Jat [BCCDC]  
**Subject:** [WARNING: MESSAGE ENCRYPTED]Request for COVID info related to places of worship  
**Attachments:** List of Cases Linked to Place of Worship\_18Jan2021 - protected.xlsx

Hi Jat,

As requested, please see attached and below related to COVID and places of worship in IHA.

The attached list of PHNs is password protected. I'll send the password separately.

Please let me know if you have any questions.

Thank you,  
Gillian

**Gillian Frosst**  
Manager, Epidemiology & Surveillance Unit  
T: 250-469-7070, ext. 12787 | C:s.22

---

**From:** Gauthier, Barbara <Barbara.Gauthier@interiorhealth.ca>  
**Sent:** Monday, January 18, 2021 4:48 PM  
**To:** Frosst, Gillian <Gillian.Frosst@interiorhealth.ca>  
**Subject:** RE: Request for COVID info related to places of worship - due Monday EOD

Hi Gillian,

Here is the information you requested that you can forward to Jat.

I searched for cases that mention a place of worship anywhere in their record so some may have attended prior to onset and others during their infectious period. Not all will have this setting as relevant to their acquisition or related to transmission to others but unfortunately there is not always enough information to rule this out and a more sensitive approach was taken here.

The request is for the following information since the beginning of the pandemic:

**(a) Total # of places of worship with a COVID exposure (includes places attended during case exposure period or potential source of infection) –**

***See note above about inclusion. Under section (b) any sites that have only one case linked and that case attended while infectious only or has known acquisition elsewhere may not be related to transmission within a place of worship.***

1. Calvary Church, Kelowna
2. Oliver Alliance Church, Oliver
3. Salvation Army Church s.22, Burnaby BC (out of IH)
4. Salvation Army Community Church, Trail
5. Kelowna Gospel Fellowship Church, Kelowna
6. People Baptist Church, Kelowna

7. Willow Park Church, Kelowna
8. West Kelowna United Church, West Kelowna
9. Lakeview Baptiste Church, West Kelowna
10. Sacred Heart Catholic Church, Williams Lake
11. First Baptist Church, Vernon

**(b) # of cases associated with each place identified in (a)**

1. Calvary Church: s.22 (note: in our line list we have linked ass. primary cases as they all attended church and s.22 but numbers here based on further review)
2. Oliver Alliance Church: s.22 (unsure if attended prior or after symptom onset)
3. Salvation Army Church s.22 Burnaby BC: s.22 (attended prior to symptom onset)
4. Salvation Army Community Church: s.22 ' in Burnaby)
5. Kelowna Gospel Fellowship Church: s.22 attended prior to symptom onset)
6. People Baptist Church: s.22 (attended prior to symptom onset)
7. Willow Park Church: s.22 (unsure if attended prior to symptom onset)
8. West Kelowna United Church: s.22 within church (prior to symptom onset)
9. Lakeview Baptiste Church: s.22 linked (attended on same day as symptom onset)
10. Sacred Heart Catholic Church: s.22 linked (attended on same day as symptom onset)
11. First Baptist Church: s.22 (unsure if attended prior to symptom onset)

**(c) Among the cases (b), what were other exposure settings? E.g. households, places of work, restaurants. This can be high level.**

1. Calvary Church:
  - a. s.22
  - b.
  - c.
2. Oliver Alliance Church:
  - a. s.22
3. Salvation Army Church s.22 Burnaby BC:
  - a. s.22
4. Salvation Army Community Church:
  - a. s.22
5. Kelowna Gospel Fellowship Church:
  - a. s.22
6. People Baptist Church:
  - a. s.22
7. Willow Park Church:
  - a. s.22

8. West Kelowna Shelter Society at West Kelowna United Church:

a. s.22

9. Lakeview Baptiste Church:

a. s.22

10. Sacred Heart Catholic Church:

a. s.22

11. First Baptist Church:

a. s.22

**(d) Provide a list of PHNs for all cases (b). The BCCDC will use this to pull demographics, identify hospitalizations, ICU visits and deaths. This may also be shared with the lab for WGS.**

See attachment.

Thanks,  
Barbara

---

**Barbara Gauthier** MSc (she/her/hers)  
Public Health Epidemiologist, Epidemiology & Surveillance Unit  
Population Health, Interior Health  
505 Doyle Ave, Kelowna, BC, V1Y 0C5  
T: 250-469-7070 ext. 13878 | C:s.22  
E-mail: [barbara.gauthier@interiorhealth.ca](mailto:barbara.gauthier@interiorhealth.ca)

*I respectfully acknowledge that my work place is within the ancestral, traditional, and unceded territory of the Syilx Nation.*



This email may contain privileged or confidential information. If you are not the intended recipient and have received this message in error, please notify the sender immediately by reply email and delete the message from your system. Thank you.

Unique Cases	Location	City	Postal Code	Street	Province	Date exposure created
s.22	ABBOTSFORD WEDDING - TEMPLE	ABBOTSFORD	NONE	30640 BLUERIDGE DR	BC	s.22
	BROADWAY CHURCH	VANCOUVER	V5M1Y8	2700 E BROADWAY	BC	
	CHRIST CHURCH CATHEDRAL	VANCOUVER	V6C2L1	690 BURRARD ST	BC	
	CHRIST THE KING LUTHERAN CHURCH	SURREY	NONE	13388 104 AVE	BC	
	CRAB PARK MEMORIAL CEREMONY	VANCOUVER	V6A4K3	101 EAST WATERFRONT ROAD	BC	
	FUNERAL - ST CLARE CHURCH	COQUITLAM	V3B4T5	2888 DELAHAYE DRIVE	BC	
	GRACE NEW COVENANT PENTECOSTAL CHURCH	VANCOUVER	V5C2C8	3885 ALBERT ST	BC	
	GURDWARA NANAK NIWAS	RICHMOND	V6Y2V4	8600 NO 5 ROAD	BC	
	HARE KRISHNA TEMPLE	BURNABY	V5J3G8	5462 MARINE DR	BC	
	HOLY ROSARY CATHEDRAL	VANCOUVER	V6B3A3	646 RICHARDS ST	BC	
	IMMANUEL CHRISTIAN REFORMED CHURCH	RICHMOND	V6Y2T5	7600 NUMBER 4 ROAD	BC	
	INDIAN CULTURAL CENTRE	RICHMOND	V6Y2V4	8600 NUMBER 5 ROAD	BC	
	ISMAILI COMMUNITY CENTER AND JAMATKHANA - VANCOUVER HEADQUARTERS	NORTH VANCOUVER	V7R1A2	1150 GLADWIN DR	BC	
28	KDS ROSS STREET SIKH TEMPLE (KHALSA DIWAN SOCIETY)	VANCOUVER	V5X4C5	8000 ROSS STREET	BC	
s.22	KOREAN CENTRAL PRESBYTERIAN CHURCH	SURREY	V4N4H2	10110 175A ST,	BC	
	MISSIONARIES OF CHARITY	VANCOUVER	V6A1L4	385 E CORDOVA ST	BC	
	NANAKSAR GURDWARA GURSIKH TEMPLE	RICHMOND	V6V1B1	18691 WESTMINSTER HIGHWAY	BC	
	NORTH SHORE ALLIANCE CHURCH	NORTH VANCOUVER	V7L3E4	201 23RD ST E	BC	
	PEOPLE'S CHURCH	SURREY	V3R1M1	14455 104 AVE	BC	
	REDEEMER BIBLE BAPTIST TABERNACLE CHURCH	VANCOUVER	V5S1J6	2551 E. 49TH AVENUE	BC	
	SUBRAMANIYA SWAMY HINDU TEMPLE	RICHMOND	V6Y2V4	8840 NO.5 ROAD	BC	
	VANCOUVER STREET CHURCH	VANCOUVER	V6A1N6	175 E HASTINGS ST	NONE	
	VANCOUVER WEST CHURCH	BURNABY	V5C3Y6	1886 GILMORE AVE	BC	
	WEDDING - GURDWARA NANAK NIWAS TEMPLE	RICHMOND	V6Y2V4	8600 NO 5 ROAD	BC	
	WEDDING - JOHAL/KALAN - TEMPLE	VANCOUVER	V5M4L3	1890 SKEENA STREET	BC	

Number of Cases	Setting Name
24	Chilliwack Church Group s.22
s.2	FH10484 Bola Prayer Gathering October 10 to October 12, 2020- Abbotsford s.22
2	FH17219 Sts'ailes Long House Nov.6th and 7th,2020 s.22
	Hebron Presbyterian Church s.22
	High Way Church - Maple Ridge s.22
12	ISKCON Hare Krishna Temple s.22
s.22	Peace House International Ministry s.22

### Exposures in Religious Institutions

- There have been 8 exposures identified within Northern Health
  - 44% of the cases associated with these exposures have a potential alternative source of infection
- The Westwood Church exposure is s.22, they have not held in church service since March 2020

Number of Cases Linked to Religious Institutions and Other Religious Events and other Potential Exposures						
Category	Specific Exposure	Most Likely Source of Exposure				Total
		Exposure Alone	Close Contact	Travel	Unknown source	
Church	Westwood Church	s.22				
	Axe Church					
	Family of Nations Church					
	Prince George Street Church					
Funeral	s.22	11				11
Wedding	Surrey			2		2
	Toronto			2		2
	Vernon			1		1
Total		14	8	5	5	32

### Limitations

- We do not routinely capture multiple exposures until December 2020, the alternate exposures were identified through case notes
- We do not capture dates of exposures, there may be multiple exposures at these location that are not reflected
- There are a number of recent exposures related to funerals/memorials that are not captured here as there are still under investigation

## Sandhu, Jat [BCCDC]

---

**From:** Gauthier, Barbara <Barbara.Gauthier@interiorhealth.ca>  
**Sent:** Tuesday, January 26, 2021 12:15 PM  
**To:** Sandhu, Jat [BCCDC]; Frosst, Gillian [IHA]  
**Subject:** RE: Request for COVID info related to places of worship

Hi Jat,

Sorry for the delay. I have added the month to the list below. This is based on dates at the place of worship if available, otherwise the episode date of the case. Please note that some of these might have involved cases that attended during the 14 days prior to symptom onset (exposure/incubation period) which may not always be relevant to their acquisition. For others it may have been attendance during their infectious period.

1. Calvary Church, Kelowna - s.22
2. Oliver Alliance Church, Oliver - s.22
3. Salvation Army Church s.22 s.22
4. Salvation Army Community Church, Trail - s.22
5. Kelowna Gospel Fellowship Church, Kelowna - s.22
6. People Baptist Church, Kelowna - s.22
7. Willow Park Church, Kelowna - s.22
8. West Kelowna United Church, West Kelowna - s.22
9. Lakeview Baptiste Church, West Kelowna - s.22
10. Sacred Heart Catholic Church, Williams Lake - s.22
11. First Baptist Church, Vernon - s.22

Thanks,  
Barbara

---

**Barbara Gauthier** MSc (she/her/hers)  
Public Health Epidemiologist, Epidemiology & Surveillance Unit  
Population Health, Interior Health  
505 Doyle Ave, Kelowna, BC, V1Y 0C5  
T: 250-469-7070 ext. 13878 | C: s.22  
E-mail: [barbara.gauthier@interiorhealth.ca](mailto:barbara.gauthier@interiorhealth.ca)

*I respectfully acknowledge that my work place is within the ancestral, traditional, and unceded territory of the Syilx Nation.*



This email may contain privileged or confidential information. If you are not the intended recipient and have received this message in error, please notify the sender immediately by reply email and delete the message from your system. Thank you.

---

**From:** Sandhu, Jat [BCCDC] <jat.sandhu@bccdc.ca>  
**Sent:** Tuesday, January 26, 2021 10:32 AM

**To:** Frosst, Gillian <Gillian.Frosst@interiorhealth.ca>; Gauthier, Barbara <Barbara.Gauthier@interiorhealth.ca>  
**Subject:** RE: Request for COVID info related to places of worship

Hi – just following up on this? – thanks, J

---

**From:** Sandhu, Jat [BCCDC] <jat.sandhu@bccdc.ca>  
**Sent:** Friday, January 22, 2021 5:05 PM  
**To:** Frosst, Gillian [IHA] <Gillian.Frosst@interiorhealth.ca>; Gauthier, Barbara [IHA] <Barbara.Gauthier@interiorhealth.ca>  
**Subject:** Re: Request for COVID info related to places of worship

Hi Gillian and Barbara – it possible to get the month for each of the 11 exposures? – thanks, J

---

**From:** "Frosst, Gillian" <Gillian.Frosst@interiorhealth.ca>  
**Date:** Tuesday, January 19, 2021 at 3:51 PM  
**To:** "Sandhu, Jat [BCCDC]" <jat.sandhu@bccdc.ca>, "Gauthier, Barbara [IHA]" <Barbara.Gauthier@interiorhealth.ca>  
**Subject:** RE: Request for COVID info related to places of worship

Hi Barbara,

Please see Jat's question below. Could you please follow-up?

Thank you,  
Gillian

---

**From:** Sandhu, Jat [BCCDC] <jat.sandhu@bccdc.ca>  
**Sent:** Tuesday, January 19, 2021 3:39 PM  
**To:** Frosst, Gillian <Gillian.Frosst@interiorhealth.ca>  
**Subject:** RE: Request for COVID info related to places of worship

Hi Gillian – can you please confirm the time period that this information covers. Is it March 15<sup>th</sup> 2020 to Jan 15<sup>th</sup> 2021? – thanks, J

---

**From:** Frosst, Gillian <Gillian.Frosst@interiorhealth.ca>  
**Sent:** Tuesday, January 19, 2021 10:38 AM  
**To:** Sandhu, Jat [BCCDC] <jat.sandhu@bccdc.ca>  
**Subject:** [WARNING: MESSAGE ENCRYPTED]Request for COVID info related to places of worship

Hi Jat,

As requested, please see attached and below related to COVID and places of worship in IHA.

The attached list of PHNs is password protected. I'll send the password separately.

Please let me know if you have any questions.

Thank you,  
Gillian

Gillian Frosst



---

**From:** Gauthier, Barbara <Barbara.Gauthier@interiorhealth.ca>  
**Sent:** Monday, January 18, 2021 4:48 PM  
**To:** Frosst, Gillian <Gillian.Frosst@interiorhealth.ca>  
**Subject:** RE: Request for COVID info related to places of worship - due Monday EOD

Hi Gillian,

Here is the information you requested that you can forward to Jat.

I searched for cases that mention a place of worship anywhere in their record so some may have attended prior to onset and others during their infectious period. Not all will have this setting as relevant to their acquisition or related to transmission to others but unfortunately there is not always enough information to rule this out and a more sensitive approach was taken here.

The request is for the following information since the beginning of the pandemic:

- (a) **Total # of places of worship with a COVID exposure (includes places attended during case exposure period or potential source of infection) –**

***See note above about inclusion. Under section (b) any sites that have only one case linked and that case attended while infectious only or has known acquisition elsewhere may not be related to transmission within a place of worship.***

1. Calvary Church, Kelowna
2. Oliver Alliance Church, Oliver
3. Salvation Army Church s.22 Burnaby BC (out of IH)
4. Salvation Army Community Church, Trail
5. Kelowna Gospel Fellowship Church, Kelowna
6. People Baptist Church, Kelowna
7. Willow Park Church, Kelowna
8. West Kelowna United Church, West Kelowna
9. Lakeview Baptiste Church, West Kelowna
10. Sacred Heart Catholic Church, Williams Lake
11. First Baptist Church, Vernon

- (b) **# of cases associated with each place identified in (a)**

1. Calvary Church: s.22 (note: in our line list we have linked as s.22 primary cases as they all attended church and s.22 but numbers here based on further review)
2. Oliver Alliance Church: s.22 (unsure if attended prior or after symptom onset)
3. Salvation Army Church s.22 Burnaby BC: s.22 (attended prior to symptom onset)
4. Salvation Army Community Church: s.22 in Burnaby)
5. Kelowna Gospel Fellowship Church: s.22 attended prior to symptom onset)
6. People Baptist Church: s.22 (attended prior to symptom onset)
7. Willow Park Church: s.22 (unsure if attended prior to symptom onset)
8. West Kelowna United Church: s.22 within church (prior to symptom onset)
9. Lakeview Baptiste Church: s.22 linked (attended on same day as symptom onset)
10. Sacred Heart Catholic Church: s.22 inked (attended on same day as symptom onset)
11. First Baptist Church: s.22 (unsure if attended prior to symptom onset)

(c) Among the cases (b), what were other exposure settings? E.g. households, places of work, restaurants. This can be high level.

1. Calvary Church:

a. s.22

b.

c.

2. Oliver Alliance Church:

a. s.22

3. Salvation Army Church s.22

Burnaby BC:

a. s.22

4. Salvation Army Community Church:

a. s.22

5. Kelowna Gospel Fellowship Church:

a. s.22

6. People Baptist Church:

a. s.22

7. Willow Park Church:

a. s.22

8. West Kelowna Shelter Society at West Kelowna United Church:

a. s.22

9. Lakeview Baptiste Church:

a. s.22

10. Sacred Heart Catholic Church:

a. s.22

11. First Baptist Church:

a. s.22

(d) Provide a list of PHNs for all cases (b). The BCCDC will use this to pull demographics, identify hospitalizations, ICU visits and deaths. This may also be shared with the lab for WGS.

See attachment.

Thanks,  
Barbara

---

**Barbara Gauthier** MSc (she/her/hers)  
Public Health Epidemiologist, Epidemiology & Surveillance Unit

Population Health, Interior Health  
505 Doyle Ave, Kelowna, BC, V1Y 0C5  
T: 250-469-7070 ext. 13878 | C:s.22  
E-mail: [barbara.gauthier@interiorhealth.ca](mailto:barbara.gauthier@interiorhealth.ca)

*I respectfully acknowledge that my work place is within the ancestral, traditional, and unceded territory of the Syilx Nation.*



This email may contain privileged or confidential information. If you are not the intended recipient and have received this message in error, please notify the sender immediately by reply email and delete the message from your system. Thank you.

**Exposures in Religious Institutions in Northern Health from  
March 2020 – January 15, 2021**

- There have been 8 exposures identified within Northern Health
  - 44% of the cases associated with these exposures have a potential alternative source of infection
- The Westwood Church exposure is s.22 , they have not held in church service since March 2020

<b>Number of Cases Linked to Religious Institutions and Other Religious Events and other Potential Exposures</b>						
<b>Category</b>	<b>Specific Exposure</b>	<b>Most Likely Source of Exposure</b>				<b>Total</b>
		<b>Exposure Alone</b>	<b>Close Contact</b>	<b>Travel</b>	<b>Unknown source</b>	
Church	Westwood Church	s.22				
	Axe Church					
	Family of Nations Church					
	Prince George Street Church					
Religious Gathering	Deadwood, Alberta	16	8			24
Funeral	s.22	27				27
Wedding	Surrey			2		2
	Toronto			2		2
	Vernon			1		1
<b>Total</b>		<b>46</b>	<b>16</b>	<b>5</b>	<b>5</b>	<b>72</b>

**Month of Exposure for Religious Setting in Northern  
Health from March 2020 - January 15, 2021**

Category	Specific Exposure	Month of Exposure
Church		
	Westwood Church	s.22
	Axe Church	
	Family of Nations Church	
	Prince George Street Church	
Religious Gathering		
	Deadwood, Alberta	August
Funeral		
	s.22	s.22
Wedding		
	Surrey	October
	Toronto	October
	Vernon	October

**Limitations**

- We do not routinely capture multiple exposures until December 2020, the alternate exposures were identified through case notes
- We do not capture dates of exposures, there may be multiple exposures at these location that are not reflected
- There are a number of recent exposures related to funerals/memorials that are not captured here as there are still under investigation