

# Seeking Shelter: Homelessness and COVID-19

*February 2021*



# Seeking Shelter: Homelessness and COVID-19

## *An RSC Policy Briefing*

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### **Cover Art**

Jayden Fandrick, *Hidden Cities – Peace Camp III* (2020)

Photography

*Hidden Cities* is a photojournalistic effort to document the inhabitants of the Peace Camp, a tent city in the heart of Edmonton, Alberta. The photographs in this series offer a candid glimpse into the daily life of this marginalized community before the camp was disbanded in October 2020.

The aim of *Hidden Cities* is to create a discussion about privilege, affordable housing, and how the perceptions of public spaces are influenced by their demographics. Jayden Fandrick is a student of Visual Communications Design at The University of Alberta.

### **Land Acknowledgement**

The headquarters of the Royal Society of Canada is located in Ottawa, the traditional and unceded territory of the Algonquin Nation.

**The opinions expressed in this report are those of the authors and do not necessarily represent those of the Royal Society of Canada.**

## Background on the Policy Briefing Report Process

Established by the President of the Royal Society of Canada in April 2020, the RSC Task Force on COVID-19 was mandated to provide evidence-informed perspectives on major societal challenges in response to and recovery from COVID-19.

The Task Force established a series of Working Groups to rapidly develop Policy Briefings, with the objective of supporting policy makers with evidence to inform their decisions.

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## **Note from the Authors**

The authors would like to formally acknowledge the many staff, peers and clients who have generously provided their input in the creation of this Policy Briefing.

## **Mandate and Scope**

This report seeks to outline the vulnerability of people experiencing homelessness at the time of COVID-19, its impact upon those who experience homelessness and those who serve them, and to make recommendations that would reduce or prevent further negative consequences in the event of this or another similar crisis in this community.

There are many groups and organizations involved in the homeless service and care community not the least of which are those experiencing homelessness themselves. The following recommendations are directed principally to those responsible for policy decisions, providing social support including housing or shelters and health services. Many other individuals or organizations must also become engaged in solutions that protect and serve the homeless community at the time of the pandemic.

As described in this report, there is a great deal of variability in the concept of “homelessness” and the term itself cannot capture the diversity of settings and individuals impacted. Those experiencing homelessness come from numerous perspectives and are found in numerous settings throughout Canada, with each member of this community having their own unique challenges and opportunities. Homeless families, adolescents, the elderly, women and those who are Indigenous or newcomers, face unique challenges, requiring unique solutions.

The circumstance of homelessness intersects with issues of racialization and other forms of marginalization and colonialism in addition to other forms of structural injustice that have come to the fore in 2020. The authors acknowledge the many intersections between homelessness and these related pressing concerns, and that this document is by no means a comprehensive assessment of these interrelated issues and their management in COVID-19.

In this report we focus primarily on people in the urban context who are homeless or unstably housed, such as those who sleep outside (sleeping rough) or are staying within established shelters. The recommendations made in this report can be adapted to other settings and communities and support those recommendations of other reports of the Royal Society of Canada. However, the challenges faced in rural and remote settings, including Indigenous reserves are beyond the scope of this report.

This briefing also does not address every issue facing people experiencing homelessness across Canada. The intent of this document is to elevate and advance care and equality for those experiencing homelessness by addressing some of the more prominent and acute issues.

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## Executive Summary

The Royal Society of Canada has implemented a COVID-19 task force charged with producing evidence-informed policy briefs for decision-makers concerning the impact of the pandemic on vulnerable populations. This task force was struck as the burden of COVID-19 is not shared equally throughout communities within Canada.

Those experiencing homelessness in Canada are impacted inequitably due to their increased exposure, vulnerability of environment and medical comorbidities, and their lack of access to preventive care and treatment in the context of the pandemic. In shelter environments one is unable to effectively physically distance, maintain hygiene, obtain a test or isolate. As a result, unique strategies are required for this population to protect them and those who serve them.

The recommendations provided in this Policy Brief are intended to reduce or prevent further negative consequences from the COVID-19 pandemic for people experiencing homelessness. This brief can also be applied to other rapidly emergent acute respiratory infections.

In creating this Policy Brief, a systematic review of the literature was undertaken, as well as a jurisdictional scan. Where evidence did not exist, expert consensus from key providers and those experiencing homelessness throughout Canada was included.

These recommendations recognize the need for short term interventions to mitigate the immediate risk to this community, including coordination of response, appropriate precautions and protective equipment, reducing congestion, cohorting, testing, case and contact management strategies, dealing with outbreaks, isolation centres and immunization. Longer-term recommendations are also provided with a view to ending homelessness by addressing the root causes of homelessness and by the provision of adequate subsidized and supportive housing through a Housing First strategy.

The authors of this report feel that this is an ideal opportunity to make meaningful changes in how we serve those experiencing homelessness and how we mitigate specific vulnerabilities. This Brief calls for intersectoral, collaborative engagement to work for solutions targeted towards protecting the most vulnerable within our community through both immediate actions and long-term planning to eliminate homelessness.

### Summary List of Recommendations

#### The Immediate Response to COVID-19 in the Homeless Environment

**Recommendation 1.1:** Implement an effective regional COVID-19 response for people experiencing homelessness that is centrally coordinated, meaningfully resourced, locally delivered, adaptive, data informed and integrated between the diverse partners.

**Recommendation 1.2:** Ensure that services providers and shelter staff and the people they serve are safe, informed and included in systems planning.

**Recommendation 1.3:** Engage shelters and housing partners in strategies to reduce overcrowding through temporary housing and appropriately distribute services and service delivery models to areas of increased need.

**Recommendation 1.4:** Develop and implement an evidence informed Outbreak Prevention and Mitigation Plan for all facilities/providers supporting people who are homeless.

**Recommendation 1.5:** Create Isolation Sites for those individuals who are homeless who cannot safely self-isolate while awaiting test results as well as those who test positive for COVID-19.

**Recommendation 1.6:** Establish and implement Screening, Testing and Case and Contact Management strategies that are evidence informed, flexible and applied consistently.

**Recommendation 1.7:** Establish culturally sensitive and trauma-informed approaches to care, service delivery, and support that apply to the wide diversity of individuals who reside within the homeless community.

**Recommendation 1.8:** Develop and implement a coherent and practical immunization strategy for the homeless community.

### **Decreasing the Prevalence of Homelessness as a strategy to reduce the harms related to COVID-19**

**Recommendation 2.1:** Recognize that homelessness is an independent risk factor contributing to the vulnerability of this community to COVID-19.

**Recommendation 2.2:** Recognize that initiatives that prevent homelessness are a priority as a component of effective outbreak prevention.

**Recommendation 2.3:** All levels of government adopt and implement, a comprehensive and realistic national housing strategy to effectively end homelessness.

**Recommendation 2.4:** Plan for and implement a reconfigured shelter system that supports a Housing First approach with rapid triage to subsidized housing or stabilization of mental health and addictions followed by transfer to a supportive housing environment.

### **Improving the Evidence Base for Informed Decision Making**

**Recommendation 3.1:** Implement a comprehensive research strategy with targeted funding from Canada's research councils focusing on interventions aimed at reducing the vulnerability of those experiencing homelessness.

## Seeking Shelter: Homelessness and COVID-19

*“Isolation is the big thing; they feel lonely, forgotten and frustrated at all the changes and the loss of services that they used to have.”*

*Peer worker in the Ottawa Isolation unit*

### Homelessness: A Defining Social Challenge

Mass homelessness in Canada is a relatively new phenomenon that began in the 1980's and accelerated in the mid-1990's following a massive federal disinvestment in affordable housing, structural shifts in the economy and reduced federal and provincial spending on social supports. (ref: <https://www.homelesshub.ca/SOHC2016> ).

Today an estimated 235,000 Canadians experience homelessness every year with an estimated 35,000 homeless on any given night. (ref: <https://www.homelesshub.ca/SOHC2016>). Over 1.7 million Canadian households live in core housing need (meaning they live in poverty and are spending more than 30% of their gross income on housing). (ref: <https://www12.statcan.gc.ca/census-recensement/2016/dp-pd/chn-biml/index-eng.cfm>)

A recent poll conducted by Nanos Research found that 36% of Canadians have experienced homelessness themselves or know someone who has. Based on this research it's estimated as many as 1.6 million Canadians have experienced homelessness at some point in their lives. (Ref: <https://www.recoveryforall.ca/poll>)

Emergency shelters in Canada support a diverse population of men, women, families, newcomers, youth, LGBTQ2S peoples and the elderly. Racialized and Indigenous Peoples are dramatically over represented in Canada's emergency shelters (ref: <https://www.canada.ca/en/employment-social-development/programs/homelessness/reports-shelter-2016.html>). Homelessness is not confined exclusively to large urban settings but is also problematic in rural and remote communities including reserves.

For the vast majority of people who experience homelessness in Canada the experience is relatively short with over 85% of people entering and exiting homelessness in days. (Ref: <https://www.homelesshub.ca/SOHC2013>). For some however, homelessness can be a prolonged or a repeated pattern over years. According to the State of Homelessness in Canada: 2013:

*“People who are chronically homeless make up a small portion of the overall population but have the highest needs. The longer one is homeless, the greater likelihood that pre-existing and emergent health problems worsen (including mental health and addictions) and there is greater risk of criminal victimization, sexual exploitation and trauma. There is also a much greater likelihood of involvement in the justice system.”*

While chronically homeless individuals make up a minority of the total number of different people experiencing homelessness in a year, more than half of the resources in the homeless system (including emergency shelter capacity) is devoted to serving people experiencing chronic homelessness. (Ref: <https://www.homelesshub.ca/SOHC2013>)

Additionally, chronically homeless individuals often suffer from multiple medical, traumatic and mental health conditions (Ref: <https://library.oapen.org/handle/20.500.12657/33266>), and living

in an emergency shelter makes receiving high quality, integrated, and ongoing care difficult and in some cases impossible. Furthermore, the opioid crisis has disproportionately affected people experiencing homelessness, with fentanyl and its analogues leading to record setting daily overdoses and death (Ref: <https://www2.gov.bc.ca/assets/gov/birth-adoption-death-marriage-and-divorce/deaths/coroners-service/statistical/homeless.pdf>)

While an increasingly diverse population seeks support in our shelters, the overwhelming majority share a lack of resources and a vulnerability that makes it hard, if not impossible, to move into a more appropriate environment without support. Emergency shelters have adapted and often include multisectoral programming with input from municipalities, public health, acute care, policing and social services such as housing, education and employment. Ultimately the best way to ensure positive long-term health outcomes is through appropriate, affordable, safe housing with supports in place.

## **Vulnerability and Those Experiencing Homelessness**

People experiencing homelessness have suffered through multiple and compounding public health crises including the health effects of a lack of housing and poverty, the opioid overdose crisis and now the COVID-19 pandemic.

Experience with previous epidemics, including SARS and H1N1, as well as recurrent outbreaks of influenza, meningococcal disease, tuberculosis and Hepatitis A suggest that COVID-19 is a significant threat for people experiencing homelessness in Canada. Roughly 30% of people experiencing homelessness report a cough at baseline, and 40% report shortness of breath with exertion, making screening and assessment particularly challenging. Inadequate and inappropriate care, planning, and management strategies raises critical individual health, public health, and bioethical concerns for people experiencing homelessness, personnel involved in their care, and the wider community. (ref: [http://cnh3.ca/wp-content/uploads/COVID19\\_briefing\\_note.pdf](http://cnh3.ca/wp-content/uploads/COVID19_briefing_note.pdf))

Our societal response to the vulnerability of homelessness has also contributed to the challenge of responding to a health crisis. Shelters are primarily considered housing facilities, often with limited attention to health care needs. There are multiple partners involved, often without clear lines of responsibility, communication and governance. Shelter staff often lack the necessary training and equipment to protect their and their client's health. Finally, the physical circumstances of congregate living and lack of access to optimal hygiene in a shelter does not allow for optimal health and health care provision.

This complex social problem has consequences for those directly involved and also for acute care facilities, the judicial system, as well as economic and community development. Solutions will require concerted, intersectoral, culturally appropriate interventions that involve housing, healthcare, social services, judicial support and early intervention to prevent individuals from becoming homeless by recognizing and intervening with those individuals and communities at highest risk of homelessness.

## **COVID-19 and the Homeless Community**

Reports of a rapidly spreading novel SARS Co-V 2 virus began to emerge from China in the late fall of 2019. COVID-19 was labelled a pandemic by the WHO in March of 2020 as its global catastrophic consequences became increasingly evident. In the absence of an effective vaccine

and antiviral treatment, it was clear that an overarching public health response was required that involved hand hygiene, physical distancing, aggressive testing and contact tracing and appropriate isolation of positive cases.

Early on, it was clear that the impact of COVID-19 would not be felt equally throughout society. People who are homeless would experience a differential in exposure, susceptibility and access to treatment.

Persons who experience homelessness have a higher prevalence of physical illness, mental health challenges, and addiction/substance use-related concerns, which all contribute to an increased vulnerability to infectious disease. In the daily reality of those who experience homelessness, public health recommendations to physically distance, practice hand hygiene, wear masks and get tested are not able to be met. It is often impossible to adhere to public health recommendations in a shelter environment where an individual may sleep in a 70-bed room, line up with hundreds waiting for meals, and have access to only one washroom with no other opportunities for hand hygiene.

Mental illness and addiction are often driving priorities and individuals live in a constant world of crisis where advanced planning and prevention are neither considered nor possible. Equally, early warning symptoms of COVID-19 infection are often the usual experiences of a homeless individual who may have to deal daily with chronic illness, pain, addiction, mental illness and violence.

The usual approach to aggressive testing and tracing is also problematic where individual contact between people experiencing homelessness is frequent and there is a general distrust of testing and confidentiality. Furthermore, initially no facilities existed for isolation while awaiting test results or ongoing isolation for those who were positive.

Other organizational challenges exist that can impair an effective COVID-19 response. The focus of the homeless shelter is on general support and housing and not necessarily healthcare. The majority of shelter staff are not trained nor prepared for the health challenges faced. It is often not clear as to who is ultimately responsible for emergency preparedness and the response to the virus within shelter settings. Shelters are not included in Infection Prevention and Control (IPAC) standards and there is inadequate client screening and personal protective equipment (PPE) availability. Testing is not available and communication between public health, the healthcare sector, homeless shelters and agencies is spotty at times and contradictory at other times. Effectively, shelters exist in a public health vacuum: on the one hand, they have essential health functions because failures in achieving minimum health standards is deadly for the inhabitants and their community, but on the other hand, shelters are not positioned as health institutions and cannot be held to health standards such as IPAC. This structural challenge is at the core of the inequity and health disenfranchisement that has occurred in COVID-19.

With the advent of the pandemic, the street drug supply has become much more toxic and with less medical and mental health services, there has been an increase in physical violence, overdose deaths and suicides as outlined in the Chief Public Health Officer of Canada's Report on the State of Public Health in Canada 2020, *From Risk to Resilience: An equity approach to COVID-19* (<https://www.canada.ca/en/public-health/corporate/publications/chief-public-health-officer-reports-state-public-health-canada/from-risk-resilience-equity-approach-covid-19.html#a2.2>).

As a result, in cities across Canada many shelter clients moved to encampments. Particular populations among this group, including single women, families, and newcomers to Canada were found to be increasingly more vulnerable.

It came as no surprise then, in some shelter settings COVID-19 outbreaks became prominent.

## **The Community Responds, Lessons Learned**

When faced with the potential impact of the pandemic, the diverse community supporting those who are homeless responded and the following are just a few examples of successful responses:

- In locations where there were embedded shelter-based health services and effective collaborative programs, there was a more immediate and effective health and social services response. This response engaged public health, shelters, health services and municipalities.
- Where there was collaborative planning between organizations, there was the opportunity to share of resources, such as personal protective equipment or testing materials as well as better communication. When it was clear that there would be shortages in PPE, some members of the community responded by making masks and gowns for staff and clients or by donating hand sanitizer or surgical masks.
- In some settings peers with lived experience immediately came forward to support the planning and introduction of effective interventions to engage homeless individuals in encampments, isolation units and shelters. They accepted new roles and responsibilities without hesitation.
- Mobile or outreach testing by trusted providers proved essential in reaching out to those homeless who would otherwise not have access to opportunities for testing.
- Unused hotels or community centres volunteered their facilities to decant shelters or to provide isolation units.
- Policy makers at many levels made improved access to harm reduction strategies a priority.
- The efforts of those on the front lines such as personal support workers (PSWs) were recognized with a COVID-19 stipend.
- Special efforts to communicate with and engage staff at all levels was vitally important in reducing stress and enhancing cooperation.

## **Systematic Review**

To inform this Brief, a systematic review was completed to identify effective strategies to mitigate infectious respiratory epidemics among people experiencing homelessness. Specifically, the review was designed to answer the following research questions:

1. What are key components of interventions aimed at minimizing the spread and effects of communicable disease outbreaks in people experiencing homelessness?
2. What outcome measures have been used in trials of interventions aimed at minimizing the spread and effects of communicable disease outbreaks in people experiencing homelessness?

## **Methods**

This review was prepared based on the PRISMA statement for Preferred Reporting Items for Systematic Reviews and Meta-analyses for evaluating prognosis or diagnosis.

### ***Inclusion Criteria***

1. Population: homeless defined as individuals with no fixed address, who rely on temporary accommodation such as institutions/shelters.
2. Intervention/exposure: any interventions evaluated with any design aimed at mitigating effects of communicable disease in the homeless sector, during a disease outbreak.
3. Comparison: Interventions compared with usual care (however defined) or an alternative intervention. Trials will be considered eligible for inclusion if the intervention is delivered in place of, or in addition to, usual care.
4. Outcomes: outcomes as listed below.

### ***Primary Outcomes***

The effectiveness of mitigation strategies. Measures of effectiveness will include:

1. Reductions in disease prevalence or incidence over time
2. Reductions in mortality
3. Uptake or adherence of strategies

### ***Secondary outcomes***

1. The cost effectiveness of programs/interventions
2. Quality of life of study participants

### ***Exclusion Criteria***

1. Individuals with a history of homelessness but are no longer experiencing homelessness. Homelessness because of war, conflict, or natural disaster.

### ***Search Strategy***

The search strategy was designed in partnership with an information specialist. We conducted a systematic search of electronic databases, including Medline, Cochrane, Embase, PubMed and CINAHL. We included several related terms including ("homeless" OR "houseless" OR "precariously housed" OR "unhoused" OR "no fixed address") AND ("communicable diseases" OR "COVID-19" OR "coronavirus" OR "virus" OR "influenza" OR "acute respiratory distress", OR "acute respiratory infection" OR "acute respiratory syndrome" OR "tuberculosis" OR "pandemic" OR "epidemic" OR "SARS"). We also searched the references of included studies to ensure a comprehensive review.

### ***Screening and Data Extraction***

Abstract and full-text screening was done in duplicate, with any disagreements resolved by discussion with a third team member. A standardized data extraction form was developed and piloted, and the extracted information included, but not limited to: study setting, study population and participant characteristics, details of intervention, methodology, recruitment and outcomes.

## **Risk of Bias (quality) assessment**

The quality of the included studies was assessed by two reviewers, independently using criteria using the Newcastle Ottawa Scale.

## **Results**

The review retrieved 22 papers that include 7 case studies and 15 observational studies. Of these, 11 studies were related to the effects of Covid-19 on homelessness, 3 focused on multiple respiratory diseases (including H1N1), and 7 examined the impacts of Tuberculosis. The primary themes the interventions considered involved testing (n=12), screening (n=9), environmental and hygiene changes (n=5), location changes (n=5), isolation (n=4), and education (n=2).

A key theme from this review was the utility of tracking positive cases through the shelter system. Specifically, tracking positive cases was implemented through contact tracing as well as spatial analysis models which considered the distance between individuals in the shelters as well as the duration of their exposures. There were specificities of contact tracing within homeless shelters including the importance of tracking client bed locations within shared rooms. In addition, shelters have high-turnover rates of clients. Thus, tracking of all client and staff contacts during the pandemic, whether or not the shelter itself was in outbreak, facilitated contact tracing and outbreak management in shelters. Upon detection of symptomatic or confirmed cases, studies demonstrated the importance of rapid client isolation to prevent onward transmission to other clients and staff. However, as shelters are typically highly populated and congregated, studies reinforced the challenges of physical distancing and importance of restructuring shelter accommodations in the context of outbreaks to minimize outbreak risks. Primary models emerged at evaluating strategies to restructure client accommodations or leveraging more space outside of the shelter in the community. Specifically, studies highlighted the potential for the provision of support for symptomatic individuals to be transferred to temporary shelters or hotel sites designed to isolate probable or confirmed cases of COVID-19. Although successful in containing outbreaks, minimizing transmission, and increasing shelter space, such strategies are expensive and require significant human resources.

Another theme that emerged was the use of infection screening strategies - either daily or before entry to shelters. In one study, a risk based triage was designed where clients were designated with different risk levels that support implementation of adaptive interventions ranging from normal sleeping arrangements, distanced sleeping arrangements, or emergency room referral and a private room. One study suggested that mandated screening may be more effective when done based on empiric risk levels rather than by population. Large scale testing was also evaluated in one study among people experiencing homelessness. Specifically, the authors examined a shelter where large scale testing for all individuals entering the shelter, despite symptom level among clients. Through large scale testing, the authors identified a high proportion (86%) of cases facilitating rapid transfers to isolation sites. In response, the authors suggested the utility of large scale testing of residents and staff irrespective of symptoms to support case findings and limit the risks of outbreaks.

Notably, the systematic review did not identify any experimental interventions or large scale evaluations using non-randomized designs. This remains a significant limitation in the ability to effectively serve people experiencing homelessness. The limited investment in research and programs for people experiencing homelessness in Canada and around the world remains a

major barrier to comprehensive pandemic preparedness plans for respiratory outbreaks given well understood risks in shelter settings. Moving forward necessitates interventional research to mitigate the risks of infectious disease outbreaks in shelter settings.

## Recommendations

There are two sets of fundamental recommendations that are required to mitigate the effects of COVID-19 in a shelter or encampment setting. The first set addresses the immediate response required to minimize the impact to those who are experiencing homelessness, while the second set is designed to reduce vulnerability in the longer-term of our most at-risk community members through aggressive housing strategies as well as rethinking how shelters operate.

We have looked for documented evidence to support our recommendations. However, often, there is not supporting published evidence and we have relied upon a jurisdictional scan and consensus from those involved with the homeless community and those experiencing homelessness themselves. The jurisdictional scan was done through focus groups set up with 7 different agencies in Vancouver, Seattle, Edmonton, Calgary, Toronto, Ottawa, and Montreal. The focus groups were conducted with front line providers, people of lived experience, shelter workers, operational leads at isolation facilities. Transcripts were taken from these interviews and thematic analysis was done to determine common elements and themes by two independent reviewers.

The following recommendations are intended for health care and service providers, including public health, acute care institutions, addictions and mental health services, housing agencies and shelters, provincial and regional policymakers including municipalities and finally, community groups and business improvement associations or BIAs.

### The Immediate Response to COVID-19 in the Homeless Environment

**Recommendation 1.1:** Implement an effective regional COVID-19 response for people experiencing homelessness that is centrally coordinated, meaningfully resourced, locally delivered, adaptive, data informed and integrated between the diverse partners.

Preparation is key to prevent the spread of COVID-19.

It is essential that an effective coordinating group that recognizes the diverse Health and Social services active within the homeless sector be engaged to work with other regional initiatives underway yet at the same time ensure that there is a smooth integrated and effective response to pandemic planning, communication, and monitoring of progress. Clarity of roles and responsibilities of the housing / shelter sector, public health, acute care, social agencies and the various levels of government within a broader hub-and-spoke organizational model is required. Equally, the voices of people who are homeless must shape a response to the crisis.

The Central coordinating group can consist of key influential decision makers and resource mobilizers such as local social services and shelter providers, front line health care providers, outreach services, municipal representation, ministerial representation, and Health authorities. It may include policy makers, funders, and operational experts but should include those experiencing homelessness.

This central group should be charged with planning and coordinating culturally appropriate services to include:

- communicating with and educating all partners, staff and clients,
- advocating for and monitoring the availability of the appropriate Personal Protective Equipment (PPE) for care providers,
- staff and clients and training in their use,
- the proper implementation and monitoring of shelter Infection Prevention and Control (IPAC),
- appropriate physical distancing strategies including reducing overcrowding and cohorting (as described below and in Appendix 1),
- reducing the flow of clients in and out of shelters, screening for staff and client symptoms
- facilitating client and staff testing and contact tracing,
- maintaining a confidential client registry to coordinate and support care,
- managing services for encampments,
- the rapid implementation of isolation centres and additional housing support.

Each partner knows their community well and has their own role to play in keeping their staff and clients safe. Settings where health care providers have been embedded within shelters and are trusted partners are well positioned to educate staff and clients as well as coordinate health services and care.

The central coordinating group should also work directly with those broader sectors around it responsible for a regional COVID-19 response, such as hospitals, municipalities, regional public health, the paramedics and police. It is necessary to collect and report reliable data relevant to the status of COVID-19 within the shelter setting in order to facilitate a flexible and timely response. The homeless sector directly affects and is impacted by other sectors around it.

**Recommendation 1.2:** Support service providers and shelter staff to ensure that they and the clients they serve are safe, informed and included.

It is important to recognize the importance of staffing within the shelter environment at the time of COVID-19. Not only must they be protected with the appropriate PPE and be well informed, but staff may also represent a vector for bringing COVID-19 into the shelter. There may be staffing shortages as individuals may potentially become ill themselves or be required to provide essential care to their family. Staff may work in multiple homeless settings or possibly in other settings such as the long-term care sector which would put themselves and others at increased risk. The staff of shelters are essential first line responders. Their wellbeing must be central in our response.

Shelters have a special role to play in implementing appropriate IPAC interventions however, they can not do this without the support of all partners including their clients. Staff should have secure supplies of PPE, consistent with their exposure as well as masks for clients. Shelters must maintain rigorous cleaning procedures and have ready opportunity for hand hygiene. In addition, clients should be discouraged from moving between multiple shelters. Shelter clients should be screened at entry for symptoms suggestive of COVID-19. Clients should be cohorted so that they move in a smaller group and have meals in a staggered fashion to avoid long lines where physical distancing is impossible. Each shelter should assign an individual as their IPAC lead.

See Appendix 1 for Suggested Best Practices

**Recommendation 1.3:** Engage shelters and housing partners in strategies to reduce overcrowding through temporary housing and appropriately redistribute services and service delivery models to areas of increased need.

Overcrowding represents a major risk for the uncontrolled spread of COVID-19. Immediate efforts should be taken to reduce overcrowding within a shelter or encampment., Shelters should relocate many of their clients into less crowded settings such as vacant community centres or hotels where physical distancing, masking and hygiene are more readily available. This can be achieved by working with the housing sector and municipality. Rapid triage techniques can be applied to support clients moving to appropriate temporary housing or supportive housing settings. Where possible, non congregate living spaces are encouraged to maintain physical distancing. Congregate living spaces may be advantageous to individuals who are triggered by isolation and may feel institutionalized.

**Encampments:** Many people experiencing homelessness have chosen to move out of congested shelters at the time of COVID-19 to form loose encampments. These encampments lack services, make testing challenging and often do not allow for physical distancing. As the weather turns colder, it has been suggested that these homeless be forced to return to a shelter environment, however, that would only worsen concerns of overcrowding. Alternate strategies are needed that permit individuals to receive services and stay in a safer setting yet not worsening shelter overcrowding.

Should encamped clients refuse shelter and housing, alternative supports for these individuals should be considered including day warming centres, screening, and social supports.

There are many services that can be delayed or delivered in a different way during the pandemic. At the same time, there are services that need to be augmented and that can be delivered in no other way other than face-to-face contact. There is a difficult balance that arises between providing safe but also essential services. For example, safe consumption and treatment services ( CTSS) need to reduce spots to incorporate physical distancing yet at the same time, there is an increased need for this service as individuals are more likely to use substances alone in the context of an increasingly toxic drug supply <https://www.canada.ca/en/health-canada/services/substance-use/supervised-consumption-sites/apply/how-to-apply.html>. Harm reduction services (sterile substance supplies and paraphernalia including needles, syringes, filters) and programs such as oral and IV opioid agonist therapy (OAT) or safer supply programs should be enhanced to address the exceptionally high number of overdose deaths.

Immunization Strategies need to be enhanced as seasonal infectious diseases such as influenza may obscure COVID-19 symptoms. Mass immunization programming of all homeless clients should be conducted in order to administer the annual influenza vaccine. Other vaccines such as pneumococcal vaccine, hepatitis A, and meningococcal vaccine should be administered when appropriate.

Culturally appropriate and trauma informed mental and physical health services should also be augmented (not discontinued) however, this is challenging to provide remotely and electronically. As mentioned, finding that balance between effective service delivery models and staff protection is difficult but essential.

**Recommendation 1.4:** Develop and put in place an evidence informed Outbreak Prevention and Mitigation Plan for all facilities/providers supporting the homeless.

When vulnerable individuals congregate in crowded facilities such as homeless shelters it is inevitable that there will be outbreaks. Public Health must provide clarity regarding definitions and approaches to outbreak management. All partners must be included in this discussion to ensure that there is a coordinated response that protects the health of the clients and staff yet minimizes the impact to the facility. Clarity of roles and responses will be required and communication to all is essential. This will also include a focus on specific IPAC strategies that can be implemented to minimize the chances of transitioning from a suspect outbreak to documented on site transmission.

See Appendix 1 for specific suggested best practices.

**Recommendation 1.5:** Create Isolation Sites for those homeless who cannot safely self-isolate while awaiting test results and for those who test positive for COVID-19.

An essential principle in managing COVID-19 is the ability to test and then self-isolate when exposed or if symptomatic. For individuals living in shelters or encampments self-isolation is frequently not possible and as such, isolation centres must be developed to support isolation while awaiting test results or if positive. These isolation centres must provide comprehensive services for mental health, substance use (including harm reduction strategies) and primary care.

Where possible, additional services to support effective transition from isolation to supportive housing, attachment to primary care, and other services should be provided.

## **Examination of Isolation Models and key characteristics: Results of the Jurisdictional Scan**

Alberta Health Services conducted a jurisdictional scan as described above to determine key learnings from agencies across North America who were providing isolation services for those experiencing homelessness. A summary of the results was as follows.

- The overarching goal of isolation facilities was to create an atmosphere of comfort akin to a home, with the eventual goal of transitioning clients to permanent housing where possible. The facilities should be made as comfortable and dignified as possible. Providing a sense of safety and security, especially for women, or individuals who suffered intimate partner violence. Isolation facilities can resemble institutions, and efforts must be made to ensure the facilities are trauma and culturally informed. In keeping with reducing the sense of institutionalization, stress was placed on limiting security and police presence onsite, but rather supporting clients with the utilization of peers and trauma informed staff familiar to clients who are able to redirect clients appropriately.
- Ensuring the isolation facility was close to client shelters and encampments helped reduced anxiety in clients when being transported to the isolation facility. Other key aspects to support clients included specialized and secure spaces for client belongings including onsite storage for bikes, shopping carts, and other personal items.
- A large proportion of those experiencing homelessness are of Indigenous backgrounds. Specialized cultural supports for Indigenous clients was highlighted by the majority of the facilities including methods to connect Indigenous clients to elders, specialized food requests, as well as specialized ceremonies such as smudging.
- Both congregate and private room isolation facilities were used in different jurisdictions, with pros and cons noted in each model. Congregate models provided a reduced sense of social

isolation, but also increased the transmission risk of COVID for clients with pending COVID results. Single room accommodation allowed for privacy and steps towards independent living, but also increased the risk of isolation, and increased the risk for substance overdose as clients were alone.

- Funding models varied with many jurisdictions using cooperative funding from public and private streams.
- Strategies to improve client retention rates for the duration of isolation included the utilization of peer support workers who could relate to client on a personal level. Additionally, support tailored towards the specific needs of individual clients was crucial to improving client experiences and managing the patients, such as dietary requirements and entertainment. Importantly, access to substances including on site provision of tobacco, cannabis, and alcohol was identified as a key mechanism to support client isolation. A prominent reason for clients leaving isolation was identified as the need for access to cigarettes, cannabis, alcohol, and other substances. Co-location of onsite programs for supporting mental health and substance use was deemed essential for retention and safety such as harm reduction resources including IV or oral opioid replacement programs and overdose prevention.

See Appendix 1 for suggested best practices.

**Recommendation 1.6:** Establish and implement Screening, Testing and Case and Contact Management strategies that are evidence informed, flexible and applied consistently.

In order to contain the spread of COVID-19 there must be aggressive screening and then appropriate testing with tracing strategies. There are inherent challenges that must be overcome for testing and tracing in the homeless environment that include: trust, the mobility of clients, confidentiality, and assessing symptoms in the presence of severe mental health and substance use. All partners including the shelters, health services providers and Public Health must be engaged in developing effective and acceptable testing strategies. It is important to include staff in the testing strategy as evidence suggests that they are also at risk of getting and transferring the virus.

In addition to PCR testing the Rapid COVID-19 Antigen test is an evolving strategy that could be employed in shelters and community-based agencies. The tests can be conducted fairly quickly and the test demonstrates high specificity, helping to identify COVID-19 positive clients. If a client has a negative test, however, secondary swabbing and evaluation must be conducted to determine if the test is a true negative. Currently, the real-world application of rapid antigen testing in this setting is being evaluated and further research on this strategy is required to demonstrate its true utility.

See Appendix 1 for Suggested Best Practices.

**Recommendation 1.7:** Establish culturally sensitive and trauma informed approaches to care, service delivery and support that apply to the wide diversity of individuals who reside within the homeless community.

The homeless community is diverse and a strategy may be effective in a unique setting but unsuccessful in others due to differences in: sex/gender, culture/ethnicity, age or location. It is essential that these communities are engaged in a COVID-19 response plan and participate in responses that are appropriate to them, their circumstances and perspectives.

## Special Populations

### ***Indigenous health***

Indigenous individuals, families, and communities experience a higher rate of respiratory diseases such as asthma. These individuals may be more likely to experience increased severity of symptoms of COVID-19.

Isolation practices should be done in consultation with Indigenous leaders to ensure alignment with Indigenous practices that acknowledge contemporary colonial perspectives, intergenerational trauma, healing-centered engagement, including access to supports such as Elders, traditional healing practices and culturally appropriate food and activities.

### ***Youth and adolescent health***

Young adults and youth have increased risks of experiencing homelessness especially as they transition from receiving support from parents, guardians and the government. Major supports for youth such as school services and other student peers and their families may no longer be available. Additional risks of homelessness arise in those who are relying on student housing with postsecondary residence closures and reduced ability to couch surf due to physical distancing requirements.

Youth often do not identify themselves as having categorically similar levels of homelessness as older chronically homeless clients, and as such prefer to have separate and specialized supports. Where possible, tailored supports for youth outside of standard isolation supports should be catered towards their needs, with preferable isolation occurring with other similar aged individuals.

### ***Women and Gender Minorities***

Women and gender minorities including transgender and non-binary individuals are particularly vulnerable. Sensitivities regarding safety when mixing genders in similar spaces may arise due to many gender minorities having faced physical and sexual violence, as well as stigma and discrimination. Care must be taken when mixing genders within similar spaces for the purpose of isolation in order to ensure security. This could include provision of gender specific isolation spaces, private rooms, and washrooms. Providing gender minority clients choice in their isolation type (congregate vs. private space and gender mixing vs gender specific spacing), is key in ensuring adequate support for these clients.

### ***Elderly Populations as well as Individuals with Special Needs***

Elderly populations are at high risk of poor COVID-19 outcomes. In addition, they are the fastest growing demographic in populations facing homelessness. Priority for isolation and support should be provided to this population. Where possible, rooms equipped to support clients with their activities of daily living should be provided for elderly clients as well as other clients with mobility concerns and other special needs such as cognitive decline and dementia. Wheelchair access, walker provision, and other mobility aids should be organized for clients.

### ***Families***

Families experiencing homelessness or who are housing insecure requiring isolation should be provided with private accommodation with their own private kitchen and washroom space where

possible. This can come in the form of private suites or motel rooms. Families should be isolated together as opposed to separately, with the exception of domestic violence concerns and partner violence.

### ***Rural Populations***

Rural homelessness, as well as homelessness outside of major jurisdictions within satellite communities can pose unique challenges for isolation during COVID-19. Where possible, provisions for isolation should be provided to this population in their own community with local supports. If this is not possible, pre-arranged access to the nearest isolation facility including transportation to this facility should be organized.

### ***Racialized, Ethnic and Refugee Populations***

Racialized, ethnic and religious minorities as well as refugee populations should be provided culturally sensitive care including access to specialized diets, interpretation services where possible, and culturally adapted programming. Understanding of cultural and religious norms used to inform client shelter planning is essential including provision, where possible, of prayer space and access to religious supports and for providers, access to medical-religious ethical advice where needed.

***Recommendation 1.8:*** Develop and implement, as a priority, a coherent and practical immunization strategy for the homeless community.

As COVID-19 vaccines become available in Canada, there must be an immunization strategy that recognizes the vulnerability of those who experience homelessness and the importance of those who provide them services. In addition to the clinical resources required, this strategy must take into consideration the complexity of this environment in terms of the location and the mobility of clients, their trust, willingness and ability to consent, the need to track and confirm a second dose and finally, a confidential data base supporting this effort.

Staff involved in service provision must also be prioritized and encouraged to become immunized.

This program would normally fall under the organizational responsibility of Public Health but will require engagement from those experiencing homelessness, service providers and support services in the development and implementation of this immunization strategy.

People experiencing homelessness have been historically under immunized and face elevated rates of vaccine-preventable disease. Outbreaks of vaccine-preventable diseases such as Hepatitis A, influenza, and meningococcal disease occur frequently. Without a focussed and dedicated strategy for COVID-19 immunization among people experiencing homelessness, COVID-19 outbreaks in shelters will persist long after the national crisis lifts, and long after the curve in our general population is flat. Without dedicated immunization strategies for shelters, COVID-19 outbreaks in these settings could be a fixture of homelessness for decades to come.

## **Decreasing the Prevalence of Homelessness as a strategy to reduce the harms related to COVID-19**

***Recommendation 2.1:*** Recognize that homelessness is an independent risk factor contributing to the vulnerability of this community to COVID-19.

Short term or immediate responses as above must be accompanied by longer term strategies targeted toward decreasing the prevalence of homelessness in order to effectively avert the harms from COVID-19 or other pandemics of the future.

In our comprehensive review of interventions to prevent illnesses contracted through casual contact in homeless populations, we found no studies addressing the direct effect of housing as an effective means of preventing illness. Systematic reviews of housing interventions, similarly found no such studies.(1–6) There is, however, significant indirect evidence that housing can prevent such outbreaks.

Communicable diseases transmitted through casual contact are more prevalent among those who are homeless.(7,8) This includes tuberculosis, influenza, invasive group A streptococcus, invasive pneumococcal disease and MRSA.(9–14) TB prevalence ranges from 34 to 452 times that in the general population.(9)Influenza hospitalizations during the H1N1 pandemic were 30 times higher among those who were homeless.(10) The risk of transmission during invasive group A streptococcus (iGAS) outbreaks was found to be higher among those homeless(13,14) while colonization appears to be no different.(15)

The higher prevalence of all diseases among those who are homeless, may suggest that individual level factors are drivers of high communicable disease prevalence.(7,16) However, authors in the reviewed studies all cited higher risk of transmission in congregate settings as the most likely explanation.(9–14) This has been further confirmed through serotype and genomic analyses in TB, iGAS and influenza.(13,17–19)

Congregate settings are also disproportionately affected by coronavirus (COVID-19).(20) COVID-19 cases in the first wave of the Toronto pandemic were 64 and 19-fold higher among long-term care facility (LTCF) and homeless shelter residents respectively.(21) The authors cite increased transmission risks within these congregate settings as the principal factor.(21)

Transmission vulnerability in congregate settings can be divided into two categories: 1) physical distancing design barriers (e.g., shared quarters), and 2) under resourcing of infection prevention and control.(21–23) Homeless shelters lack medical providers, infection control staff and LTCF infection control standards. Early identification of respiratory symptoms of illness are less likely while gaps in infection control are more likely.(23, 24) Such deficiencies have been found to lead to LTCF outbreaks in general and COVID-19 in particular.(22) This is despite a regulatory environment, accreditation, specialized staffing and much higher degrees of infection control resourcing.(21,22,25) There may be a threshold beyond which further investment in infection control and health care resourcing within homeless shelters, as suggested earlier in this report, may exceed the costs of simply housing individuals who are homeless. Some analyses suggest that such costs have already been exceeded.(26)

**Recommendation 2.2:** Recognize that initiatives that prevent homelessness are a priority as a component of effective outbreak prevention.

Strategies to reduce the prevalence of homelessness can be broken down into interventions related to preventing individuals who are housed from becoming homeless and to housing those who are homeless.

Ending homelessness includes primary, secondary and tertiary strategies. Housing individuals who are experiencing homelessness, is discussed in the next section.(27)

Primary prevention strategies mitigate structural factors that increase the likelihood of homelessness such as: inadequate income, lack of affordable housing, poverty, untreated mental illness and substance use, as well as, economic paradigms and assumptions and policies that drive these factors.(27,28) Secondary prevention strategies assist those in imminent risk of homelessness or shorten time an individual is homeless through enhanced, coordinated services.(27) Healthy public and social policy, can ameliorate these factors through cross sectoral changes at local, municipal, provincial and federal levels rather than implementing a single community wide tertiary program. (27-30) As with healthcare, upstream approaches are critical in minimizing the cost and need for an otherwise ever growing tertiary approach.(28,31-33)

While critical, these upstream interventions are not the direct focus of this report.

**Recommendation 2.3:** Adopt and implement at all levels of government, a comprehensive and realistic national housing strategy to effectively end homelessness.

Housing as a means of reducing the harms of COVID-19 and future respiratory pandemics among those who are homeless can be evaluated by reviewing its costs and benefits. Potential benefits include improvements in health, decreases in societal costs and communicable respiratory illness among those who are homeless, indirect societal benefits, as well as the averted costs from inaction. Costs include the costs of implementing housing programs and plans.

## Housing Interventions That Have Been Studied

High quality studies and systematic reviews increasingly show benefit from housing those who are homeless.(1–6) The latest, a review by Aubry et al, identified 41 publications examining 15 studies including 8 randomized control trials.(1) All evaluated Housing First, an approach aimed at immediately housing and providing supports for individuals, and then compared them to existing treatment. Each evaluated unique combinations of housing and supports.(1) Housing provision included interventions such as rent supplements(34-39), housing owned by agencies and governments(36,39-43) and approaches to congregation: singles units(41,44), or family style communal homes with private bedrooms.(44,45) and lastly the distribution of units scattered across the city (35,38,42) or multi-unit sites including entire buildings or floors of buildings.(39,46)

Types of support included:

- Assertive Community Treatment (ACT) or Intensive Case Management (ICM), teams featuring less than 20 individuals per case manager, nursing, a physician and a dedicated psychiatrist. (34,35,43,47,48)
- Multidimensional non-ACT/ICM support including recreational programs, work programs, case management, and priority linkage to psychiatric services(42,44,46)
- Substance use treatment including harm reduction programs requiring multidimensional residential treatment(49) and opioid agonist treatment.(38)

## ***The health and psychosocial impacts of Housing Interventions***

The experience of homelessness has multifaceted impacts on health that compromise physical and mental well being by increasing risk of disease transmission, disability, and all-cause mortality. (9,50,51) Stressors that can exacerbate health status include physical and psychosocial hazards

from unstable accommodations, exposure to substance misuse, stigma, and social isolation.(7,52-55)

Housing First uses an evidence-based approach to address homelessness by increasing housing stability through the provision of supportive permanent housing. Two-year findings of the At Home/Chez Soi randomized controlled trial reported that 71% of participants with serious mental illness who received Housing First with Assertive Community Treatment were in stable housing at 24 months, compared to 29% among those who received usual care.(34) Interventions that combined long-term housing with opportunities to provide care through case management services reported reductions in psychiatric symptoms.(44,49) Housing and case management programs have also shown a reduction in the number of emergency department visits and hospital days. (56-58) The benefits of stable housing have been replicated in numerous studies in the US and Canada, highlighting the need to consider targeted housing programs as an effective approach to reducing homelessness in Canada and improve the health status of populations experiencing homelessness.(38,43,59,60)

### ***Economic impacts of housing interventions***

Cost-effectiveness analyses evaluating the economic impacts of housing interventions have reported increased program expenditure costs that outweighed the total cost offset produced by stable housing.(34,56–58,61,62) Studies have also reported cost offsets from intervention-related savings in medical and social services.(63–68) A review of the literature examining the costs of the Housing First interventions from 2007 to 2015 found permanent supportive housing offers great benefits to populations experiencing homelessness while also producing significant cost offsets. (6)

Annual costs for Housing First with Assertive Community Treatment are approximately \$22,257 Canadian dollars per participant, while the program itself creates a 96% net cost offset from decreases in hospital admissions, emergency shelter visits, and the number of arrests.(34) Similarly, the cost of Housing First with intensive case management was a mean of CAN\$14,496 per person per year, and a 46% reduction from cost offsets was reported from a range of service use, bringing the net cost to \$7,868.(69)

### ***The Need for National Housing Programs to End Homelessness***

As stated following a reduction in financial support for housing programs in the 1980s and 1990s, there were large increases in homelessness across Canada.(28) The Federation of Canadian Municipalities Big City Mayor’s Caucus declared homelessness a “national disaster” in 1998. (31,70) Housing investment programs made no further reductions in homelessness.(70) Between 2008 and 2011, major cities including Calgary, Vancouver, Ottawa and Toronto, adopted 10 year plans modeled after plans by the US National Alliance to End Homelessness (NAEH) to end homelessness.(31) In 2012, the Canadian Alliance to End Homelessness (CAEH) was formed, modeled after the NAEH.(71) The CAEH, a coalition of individuals, communities and agencies, aims to end homelessness by mobilizing governments and communities to develop 10 year plans.(31,71,72) Despite a large number of municipal 10 year plans, homelessness in Canada continued to rise.(26,31) A comprehensive analysis suggested that, although important, such plans have been grossly underfunded, barely offsetting private market rental housing losses. Weak affordability requirements typically make new units largely unaffordable to low income earners.

(31) Cities also have limited jurisdiction over key drivers of homelessness such as low incomes, declining affordable private market housing stock, migration and unemployment.(31,73) For these reasons policy analysts, advocates and scientists point to the need for a national housing program.(27,28,30,31,33,74)

### ***The Current 2017 National Housing Strategy (NHS) Will Not End Homelessness or Meet Program Goals***

In 2017, the Federal Government introduced the National Housing Strategy (NHS), a 10 year plan with a current budget of \$55 billion. Of the 1.7 million in core housing need, the plan aims to remove 530,000, reduce the 25,000 Canadians who are chronically homeless by 50%, modernize 300,000 homes, and build 125,000 new homes.(32,75,76) Federal budgets from 2017 onwards have contained a mix of provisions for funding, grants, and loans focused on housing to meet these goals (75). The strategy was followed up by the National Housing Strategy Act committing the government to national goals and priorities, to a long-term policy vision for housing, to public participation in policy generation and implementation and to a focus on those in greatest housing need (75,77).

The Act recognizes the right to adequate housing as a fundamental human right. Housing as a human right has long been called for by housing advocates, and other levels of government. The Act however does not establish a legally enforceable individual right but rather provides “accountability mechanisms” focused on reporting, oversight, and participation in decision-making. While there may be merit to housing as a right where the right can be claimed collectively, others suggest that housing as a right in which an individual without housing can’t claim that right and be housed is not a right.(33,78)

The National Housing Strategy has been heavily criticized, some going as far as calling it the “National Strategy to Maintain Homelessness”.(32,75,79) Most notably it was heavily critiqued by a Parliamentary Budget Officer (PBO) Report in 2019.(80)

The PBO analysis suggests that it is unlikely that there will be any change in the total number of households in core housing need, especially among low income households at greatest risk of homelessness given weak affordability rules, and lower spending on affordable housing than previous years based on real purchasing power. It is also unlikely that there will be any significant reduction in homelessness as the PBO estimates that the NHS amounts to only a 4% increase in total spending on homelessness by the Federal Government. Municipalities, provinces and territories contribute much more to funding housing interventions, at an average of \$12.90 per federal dollar.(80)

In contrast, the 2020 \$1 billion Rapid Housing Initiative is adequately targeted in several ways. It is targeted to those in severe housing need, that is provide affordable housing (30% or less of household income going to shelter costs) to those paying 50% or more of their pre-tax income on shelter or are homeless or at risk of becoming homeless.(81) At 3,000 new homes, it is however a very small fraction of what is needed nationally. For example, in Toronto alone there were 91,994 individuals on waiting lists for social housing in 2016, 27,805 Torontonians requiring rents to be less than \$750/month to be affordable, are paying more than 50% of income toward rent.(82)

## **A Targeted National 10 Year Plan to End Homelessness**

In July 2020, the CAEH released Recovery for All (RFA), a 10 year plan to end homelessness as a response to the COVID19 pandemic.(83) The RFA targets the end of acute and chronic homelessness and low income households.(80,83) This is in contrast to the NHS, which targets mostly middle income Canadians, has a stated goal of reducing chronic homelessness by only 50%. and which a PBO analysis suggests may have little impact on homelessness, The CAEH 10 year plan has a total budget of \$55 billion of new money in addition to the \$11.2 billion in new money of the NHS. It proposes to produce 300,000 new permanently affordable and supportive housing units (in contrast to the 20 year requirement in the NHS), including 50,000 units targeted to those chronically homeless and a homeless housing benefit rental supplement for 55,000. The plan performs a detailed analysis of the inflows and outflows of individuals in acute, chronic and at risk of homelessness to stop the inflow and rapidly increase the outflow.(83) Supports for housing would be provided by the provinces with the significant moneys saved from averted homelessness. The RFA would create about 500,000 jobs, about 150,000 each year.(68) There would be significant reduced pressures through savings based on At Home/Chez Soi data, where 46% of housing and support costs were offset by savings including from shelter and health care costs.(69)

To help inform a societal willingness to pay for such a housing program, we compare it to estimates of the direct and indirect cost of homelessness federally, provincially and municipally each year. Direct costs are difficult to establish as there are many paying jurisdictions and levels of government and the amount they pay is not centrally tracked.(85) Using the PBO figure of \$12.9 being spent for every federal dollar (\$139 million) this adds up to \$1.93 billion in direct spendings per year.(80, 86) . Indirect and direct costs collectively have been estimated to be \$7 billion annually.(87) The RFA lies somewhere between these estimates. Our experience with the COVID-19 pandemic adds more to both the direct and indirect costs when we consider the costs of temporary hotels, PPE provision to shelter staff and residents and the health care costs of individuals who are homeless hospitalized for COVID-19 Federally, the RFA is a relatively small amount. It amounts to \$139 per Canadian annually which compares favourably at 2% of the \$7068 per capita spent annually on health care in 2019.(84) We applaud the Federal government for recognizing housing as a fundamental human right. The RFA or a similarly funded and structured program would be an opportunity for Canadian society to make good on that right in real terms. Based on our analysis of the available evidence, such a program would be the most effective and cost effective approach to mitigating and preventing the impact of COVID-19 on those who are experiencing homelessness.

**Recommendation 2.4:** Plan for and implement a reconfigured shelter system that supports a Housing First approach with rapid triage to subsidized housing or stabilization of mental health and addictions followed by transfer to a supportive housing environment.

If Canada does make significant progress towards ending homelessness, it will be essential to reconsider our existing shelter structures. With an adequate national housing program there may only be a need for short periods of emergency shelter support for individuals who acutely fall into homelessness if they lose housing or have significant health issues that prevent stable housing. Many shelter-based organizations are currently offering life skills programming in order to support individuals to regain housing. There is also a need to provide effective shelter based medical

stabilization as a prelude to ongoing supportive housing. This need is sometimes being met by larger shelter-health care partnerships.

Ideally such stabilization and rehabilitation would occur in low threshold residential health care facilities. These facilities could emulate the type of programming currently being provided in some shelter settings with strong health care partnerships. There will always be a need for crisis intervention and a flexible and responsive emergency supportive housing model that has a strong focus on stabilization and the early management of addictions, mental and physical illness. In this setting, shelters and their partners would have a dual housing and rapid triage function in the context of an acute but very short term health care mission.

In summary, there is convincing evidence to support a Housing First strategy as the leading approach for preventing harms from COVID-19 and future pandemics among those who are homeless from a health and economic perspective.

Homelessness is a complex social challenge that crosses many sectors. Immediate solutions involve housing and improved access to effective health care but it is also essential to address the many factors that may lead to a life of homelessness such as poverty, intergenerational trauma, social inequity and early childhood development. There have been calls and commitments to End Homelessness but these plans have failed as they are short lived without the necessary scope, structure and accountability. Interventions must be intersectoral, adequately resourced, evidence informed, accountable and supported by all three levels of government. The Federal government should take the lead in a National Strategy to End Homelessness that extends beyond housing. COVID-19 and its impact on this vulnerable community makes this a priority for decision makers.

## Improving the Evidence Base for Informed Decision Making

**Recommendation 3.1:** Implement a comprehensive research strategy with targeted funding from Canada's research councils focussing on interventions aimed at reducing the vulnerability of those experiencing homelessness.

Research in the setting of homelessness is challenging. Client mobility, lack of trust, free and informed consent to participate in research as well as follow up are all significant logistic and ethical barriers. When these factors are combined with the lack of funding and the challenges of multicentre interventions it has led to a lack of clear evidence supporting many interventions that could allow for better evidence informed policy decisions. Nevertheless, there is a growing homelessness research community that must be engaged to find answers to some of these more difficult policy questions.

Multicentre, participatory, and community-based research must be a priority for academic centres and funding organizations to give direction to decisions that will reduce the vulnerability of those experiencing homelessness in the short and long term.

## Summary

Vulnerability is not unique to the homeless community. It arises in part from the characteristics of the individuals involved who may suffer from illness or other social or economic factors such as, poverty, isolation or lack of education or employment.

However, this vulnerability is also compounded by external or organizational factors, such as, a lack of support and resources or inappropriate governance or institutional responses. Meaningful change requires intersectoral collaboration, resources and committed governance and policy directions. In the absence of this, these communities will have an intrinsic vulnerability to any crisis whether that be another pandemic or an economic or environmental tragedy of the future.

During this pandemic, we have witnessed dramatic changes in temporary housing and the creation of isolation centres, all within days. Change can take place quickly and effectively if there is alignment in governance, resources, and motivation. Sustained change will require an ongoing commitment to reduce the vulnerability of this and the many other communities throughout Canada that deserve our support.

Those most vulnerable must be engaged in a joint consensus to ensure that the impact of this pandemic or any other crisis of the future is not born uniquely on the backs of those least capable to shoulder the load.

## Appendix I: Suggested Best Practices

### Recommendation 1.2

Ensure that services providers and shelter staff and the people they serve are safe, informed and included in systems planning.

#### ***Suggested best practices***

##### *Education*

- Provide appropriate information to clients on what COVID-19 is and how it can impact their lives and stay within the shelter.
- Provide education on proper sanitation and prevention strategies regarding COVID-19 empowering clients to protect themselves during the pandemic.
- Support staff through ongoing wellness programs.

##### *Masking*

- Clients should be masked at all times while in shelter with the exception of during meals or sleeping.
- Clients with no access to masks should be provided masks upon entering shelter.
- Within encampments, clients entering communal tent spaces should wear a mask.

##### *Handwashing*

- Handwashing stations should be provided in all shelter spaces as well as encamped spaces.
- Alcohol based hand sanitation can be used with awareness that clients may consume the alcohol hand sanitation.
- Alcohol based hand sanitation should be avoided when hands are visibly dirty, when work is being handled, and when clients have gastrointestinal symptoms such as diarrhea and vomiting. Hand washing should be used in this context.
- Handwashing or sanitization should occur after touching communal or highly used surfaces.

##### *Cohorting*

- Preventative cohorting can be an effective strategy to keep support clients in the prevention of spread of COVID-19 but also for contact tracing.
- Cohorting is a process of keeping clients in set groups with limited entry in and out of shelters. Cohorts less than 15 are ideal. Cohorting ensures that if one member becomes positive with COVID-19, the entire cohort can collectively isolate together.
- Cohorting enables easier contact tracing with both clients and staff.
- Consideration of cohorting with cigarette breaks and outside time.
- Consideration of cohorting encampments to limit numbers may also help limit COVID-19 spread.

##### *Inter-facility and intra-facility movement*

Where possible, shelters should discourage movement of clients between shelter sites and within the shelter site. This can be done through several strategies including:

- Implementing policies to encourage or require clients to access an assigned shelter and not others.
- Limiting the number of clients or visitors at drop-ins or other day programs.
- Cancelling or postponing group activities if they are not essential.
- Providing incentives to reduce mobility; for example, re-organizing services so that three meals are offered at one facility or floor, instead of one meal each at three different agencies.
- Where possible, clients cycling between encampments and shelters should be encouraged to limit moving from site to site and if possible enter a safer environment.

### *Mealtimes and shared hygiene facilities*

- Stagger mealtimes to reduce crowding and enable physical distancing in shared eating facilities
- Stagger the schedule for use of common/shared kitchens
- Provide bagged meals for clients to take away or individual plates of food to clients
- Stagger meals to specific cohorts/groups and floors

### *Bathrooms and bathing*

- Create a staggered bathing schedule to reduce the amount of people using the facilities at the same time.
- Frequent (at least three times a day) cleaning and disinfecting of shared bathroom facilities is recommended.

### *Physical Distancing*

- Clients should be spaced at least 2 meters apart at all times and practice physical distancing.
- Clients should not share bunk spaces.
- All beds should be positioned at least 2 meters apart. The top bunks of bunk beds should not be used.
- Where possible, additional barrier protection in facilities between staff and clients should be provided with improved ventilation and HVAC systems .
- Additional space—such as hotels, unoccupied facilities, and other space—should be repurposed for housing and sheltering to meet these minimum physical distancing parameters. In all cases, reducing the size of congregate settings, enhancing physical distancing and cohorting will reduce COVID-19 transmission and the magnitude of shelter outbreaks. It is better to have two groups of 30 people in different facilities than one group of 60 people in a single facility.

### *Shelter Space Contingency Management*

- Extending shelters hours if possible and applicable
- Identifying shelter mechanisms to continue essential services
- Preemptively identifying locations where clients can be referred to if the shelter space is full or an outbreak situation occurs in a facility.

## Recommendation 1.4

Develop and implement an evidence informed Outbreak Prevention and Mitigation Plan for all facilities/providers supporting people who are homeless.

### ***Suggested best practices***

- Be clear as to what constitutes an outbreak. Outbreak definitions vary by province and may change based on recommendations from provincial Medical Officers of Health.
- Create clear established roles and responsibilities as well as a central coordination plan to manage an outbreak situation including who performs mass screening, facility cleaning, transportation of clients to isolation facilities, and staff support.
- Engage parties early who may be required in an outbreak situation including the local health authority, shelter staff, food services, police and security services, and auxiliary medical supports.
- Establish clear lines of communication between the various parties involved in outbreak management.
- Educate shelters and staff on what an outbreak means and provide supportive guidance and continued support to clients on how to maintain their health and wellbeing during the outbreak.
- Consider moving clients where possible who are unexposed and asymptomatic to a less crowded setting during an outbreak situation especially if the facility itself needs to be shut down.
- Identify appropriate alternative shelter sites so that clients who can no longer access one shelter have an alternate site to go.
- Create a systematic approach to contact tracing within shelter facilities as well as encampments.
- Define the duration and resolution of an outbreak as determined by the Public Health authority.
- Return to usual preventive and screening measures once the outbreak is declared over.

## Recommendation 1.5

Create Isolation Sites for those individuals who are homeless who cannot safely self-isolate while awaiting test results as well as those who test positive for COVID-19.

### ***Suggested best practices***

#### *Transportation*

- Transportation while maintaining isolation and physical distancing precautions should be established and coordinated with both the receiving isolation facility as well as the referring facility.
- Full PPE must be utilized while transportation is occurring.

**Intake:** Standard intake processes should encompass core principles including reducing administrative barriers for clients and operators, improving client flow, and determination of key requirements for clients. Other aspects include:

- Medical evaluations: Vitals, COVID-19 symptom review, baseline medical concerns and past medical history, mental health history, cognition assessment if applicable, and current substance use history if applicable.
- Social evaluations: Evaluation of housing, clothing, income support, and justice supports. Cultural evaluation of cultural and religious requirements. Behavioural evaluation for clients with complex behavioural concerns.
- A centralized intake process working collaboratively with the referring agency helps provide additional client specific contexts which can aid with supporting the client while in isolation. Using the medical, social, and behavioural evaluations, the central intake operators will be enabled to appropriately triage clients based on available resources and facilities including both community and acute care resources.
- Discussion on personal directives and palliation should be conducted upon admission to respect patient autonomy with potential end of life care.
- A discussion with clients upon facility arrival regarding services provided on site including food and entertainment as well as medical services, how to access help when needed, and do and don'ts of the facility.

### *Onsite Policies and Procedures*

These are aimed at supporting clients during their isolation with tailored approaches to meet client needs and improve isolation compliance. This includes:

- Client centric services which empower clients to make choices regarding their own health, special needs, and supports.
- Access to wrap around services and connection to social and community supports, including housing assessments, financial supports, personal hygiene and meeting basic needs like clothing.
- Specialized programming in regards to mental health and addiction supports are required including access to detoxification, psychiatric pharmacotherapy and psychosocial therapy where appropriate, opioid agonist treatment, anti-craving medication management, and other managed substance supports.
- Other key aspects to retaining clients include behavioral management support, cognitive support, social isolation management and the mental health strain associated with it, trauma informed approaches. Clients may find isolation spaces institutionalizing and focus on providing a comfortable setting is paramount to successful isolation.
- Client access to power, Wi-Fi, and personal technology products including cellphones and tablets. Client access to laundry and snacks when needed.
- Access to substance use management support and overdose prevention services.
- Access to medications for medical concerns as needed.
- Cultural supports are required where appropriate including access to specialized diets and religious services, as well as access to Elder supports, traditional healing practices.
- Safe and personalized spaces for women, and gender minority clients who may feel uncomfortable in congregate spaces with other genders, as well as spaces for families and children affected by homelessness.

## *Discharge Planning*

- Discharge planning should begin upon admission to the isolation facility bearing in mind the core principle of providing appropriate transitions in care post isolation . This includes examination of client needs and requirements in the community including both medical supports such as medication management and ongoing chronic disease management with community agencies, but also social supports with transition planning towards housing, connection with justice and legal supports, and access to income support.
- Where at all possible, ideal discharges should not be back to homelessness but to housing that is based on client needs and requirements.

## *Additional Considerations*

Some key aspects to dealing with social isolation include:

- Hybrid congregate and individual space approach, where clients who prefer to isolate alone can be supported in this option, and those who find it very institutionalized and prefer a cohort arrangement can have this option as well.
- Once to twice daily check-ins on clients by site staff are necessary for symptom assessment for COVID-19-positive as well as meal and snack provision.

Trigger points for scaling up and scaling down:

- Pandemic planning should allow for quick scaling of facility and services as needed if there are increased number of cases.
- Pandemic planning should also allow for specialized supports for subpopulations including families, children, cultural and gender minorities.

Palliative Care:

- Situations may arise where admitted patients may require palliative care services. Access to such services and more advanced respiratory care including oxygen maybe required. Planning for such services would be beneficial for clients.

Ethical and Legal Perspectives:

- Ethical considerations in regards to personal directives, palliation, substance use support, and clients wanting to leave against medical advice may require ethical considerations.
- Legal considerations may be required for issues such as managed substances and overdose prevention sites amongst other issues and considerations.

## **Recommendation 1.6**

Establish and implement Screening, Testing and Case and Contact Management strategies that are evidence informed, flexible and applied consistently.

### ***Suggested best practices***

Establish key screening and contact tracing strategies on both an ongoing basis as well as during an outbreak situation for both sheltered and non-sheltered (encamped) populations. Of note, baseline screening can be done by all staff with and without medical training.

### *Screening Clients and staff*

- Preemptive actions for encampments such as encampment census gathering and mapping of encampment locations, can aid in contact tracing should an encampment outbreak occur.
- Opportunities for screening should be done strategically.
- Key places of screening include during entry into shelters, as well as outreach screening in encampments.
- Screening should be conducted for both staff and clients daily.
- Screening should be done daily with clients and forms of identification of successful screening including stamps or wrist bands should be used.
- Screening should include a review of key COVID-19 symptoms in keeping with up to date provincial guidance.
- Screening can consist of a two step process, (Appendix 1):
  - Primary screening is a quick questionnaire examining key symptoms such as cough, fever, sore throat, shortness of breath, runny nose, or gastrointestinal concerns. Primary screening can be conducted by any staff.
  - Secondary screening is conducted on clients with positive symptoms to the above questionnaire where a health care professional examines the clients further to confirm symptoms, contextualizes symptoms, helps isolate the client and performs a throat swab.
- Sentinel screening in which active testing occurs for asymptomatic clients can be a consideration for regular monitoring of COVID-19 within shelter and encamped populations.
- Swabbing: Where possible, swabs should have a short turn over time of <48 hours. Consideration of Rapid testing, where feasible, should be conducted.

### *Tracking and Contact Management Recommendations*

- Public Health surveillance of clients, staff and visitors: Where possible, in cases of potential COVID-19 exposure, a system for registering all clients and visitors entering the facility should be conducted. This includes names and contact information if available.
- Daily tracking of the number of clients staying each night, as well as those with clinical symptoms and those referred for COVID-19 testing to an isolation site.
- A system to track who is assigned to what section/cohort/bed (where possible) to more easily determine others who might have been exposed in an outbreak situation.
- Assign and track clients to a specific sleeping mat or sleeping unit to help with contact tracing should a client later test positive for COVID-19.

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