# Conducting an Unsheltered PIT Estimate During the COVID-19 Pandemic

Dan Treglia, PhD MPP

Associate Professor of Practice
University of Pennsylvania

dtreglia@upenn.edu

## Background

- The annual Point-in-Time count is **rapidly** approaching
- As with all things, COVID-19 will impact if and how communities handle their PIT estimates – particularly concerning the unsheltered population
- COVID-19 may have changed:
  - Who is experiencing unsheltered homelessness
  - The services used by people experiencing unsheltered homelessness
  - The locations of people experiencing unsheltered homelessness
- HUD is offering LOTS of flexibility in how (and IF) counts are conducted

## Purpose of this Report & Briefing

Supplement to HUD Guidance

#### Conducting an Unsheltered Point-in-Time Count During the COVID-19 Pandemic

December 28, 2020 | Publications

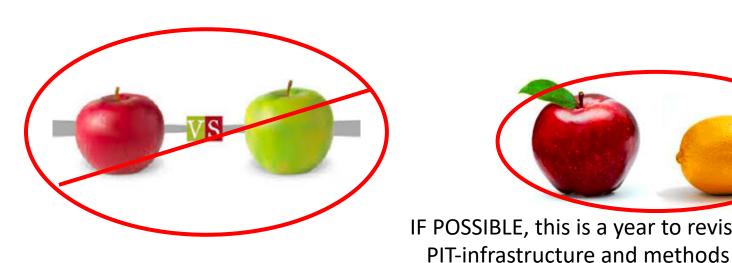
Updated January 4, 2021

- Recommendations focused on:
  - Increasing the use of outreach teams
  - Reducing reliance on volunteers
  - Increasing the use of technology in training and surveying
  - Conducting a count over multiple nights
  - Reducing the overall burden through sampling
  - Service-based and HMIS approaches
  - Conducting the count SAFELY



#### Important Points

- The only acceptable count is a a safe count
- We are NOT telling communities to conduct their PIT this year
  - Safety, legal, and logistical concerns could render a count impossible
- Embrace the change do not pretend that everything is the same







#### Outline

- Volunteer concerns and leveraging outreach teams
- Increasing PIT Efficiency
  - Observation-based counts
  - Use of abbreviated surveys
  - Expanding the PIT timeframe
  - Mobile app-based surveys
- Training Enumerators
- Sampling
- Service-Based Counts and Using HMIS
- Example



#### Leverage Professional Outreach Teams

- COVID-19 will limit public/volunteer engagement in the 2021 PIT
  - Public engagement may not be LEGAL
    - Stay-at-home orders persist and are likely to expand as cases climb
  - Volunteers are likely to be wary of participating
  - Many volunteers are part of high-risk populations
- Normal volunteer-based procedures are unsafe
  - Gathering is a danger
  - PPE shortages
  - Workarounds may not be practical

#### Leveraging Outreach Teams

Already scheduled to work

No unanticipated night-of shortages

Already engaging SAFELY with people on street



Have PPE

## Improving Efficiency: 1) Observation-based counts

#### • Benefits:

- Allow more efficient coverage
- Limits interaction between enumerators & respondents

#### • Trade-offs:

- Making assumptions based on appearance
- Risk of duplication, though this can be mitigated
- Cannot collect demographics per HUD guidelines

## 2) Abbreviated Surveys

- If you conduct surveys:
  - Ascertain housing status
  - De-duplicate

#### THAT's IT

#### **Point-in-Time Survey Tools**

Date Published: December 2020

#### Description

In order to collect Point-in Time (PIT) count data according to HUD standards, CoCs need to use high quality survey instruments. HUD is providing CoCs with a set of model surveys that they can use for the 2018 PIT count. These surveys reflect the review of best local practices, and the input of leading survey and homeless methodology experts. Please see below the list of model surveys, as well as a list of guides and tools that CoCs can use for the 2018 PIT count.

In the past, HUD provided access to a free mobile PIT count application (app). This mobile PIT app is no longer available. However, HUD anticipates publishing the open source code to the app for communities that wish to use that in their discussions to determine whether to adopt mobile technology as part of their PIT counts. HUD also plans on publishing a summary of lessons learned from the PIT mobile app for communities to use. HUD has kept the webinar with the PIT survey tools and the mobile app overview available for communities to review.

#### **Resource Links**

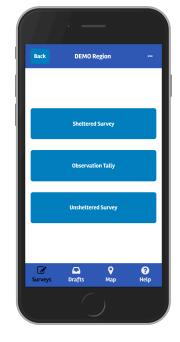
- HUD Point-in-Time Mobile App Technical Training Overview (HTML)
- Model Interview-based Unsheltered Night of the Count PIT Survey (PDF)
- Model Service-based PIT Survey (PDF)
- Model Sheltered Night of Count PIT Survey (PDF)
- Observation-Based PIT Count Example Form for Use on the Night of the Count Updated December 2020 (DOCX)
- Observation-Based Unsheltered PIT Count Guidance and Example Form Updated December 2020 (PDF)
- PIT Count Youth Survey Addendum (PDF)

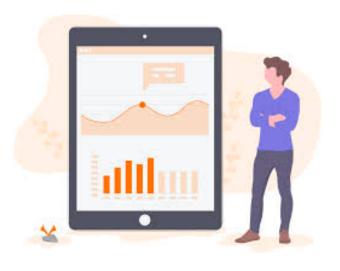
## 3) Expand the Timeframe

- Plan diligently
  - Cover distinct geographies on each night
    - Minimize the chance that people move between areas covered on different nights
    - E.g.: County to county, or urban vs. rural
- Plan for contingencies
  - More nights, backup staff, etc.
- De-duplication is harder
- Multiple "PIT" nights option for large CoC's

## 4) Mobile-App Surveys

- \*\*Eliminate the need for physical exchange of paper\*\*
- Reduce time and cost of printing, sorting, distributing, and checking paper surveys
- Often come with built-in mapping features and flexibility
- Several vendors available





Mobile Tool Name	Free trial option	Multiple Plan options	Customizable Surveys	Count Management Tools	Separate Youth Survey	Trains Volunteers	Secure Data/ Clean Up	Creates Reports
Akido Connect		Х	Х	Х	Х	Х	Х	Х
Counting Us - Simtech Solutions	Х	Х	Х	Х	Х	Х	Х	Х
Hyperion		Х	X	Х		Х	Х	Х
Survey123			X	X			Х	Х

## Training

#### NOT an option

 Another reason to rely on outreach teams



- Virtual trainings are possible
  - Look into web conferencing options NOW
    - Think about
  - Reinforce material with breakout rooms, quizzes, chats, etc.

## Sampling

 Allows you to visit a selection of geographies and make inferences about your entire CoC

 Probability—samples allow for some certainty of findings (and knowledge of your uncertainty - ie, Margin of Error)

NOT hard to implement

• Improve efficiency by limiting required coverage

## Sampling, 2

- Divide your CoC into smaller regions or "subareas"
  - Common boundaries like census tracts are best
- Choose an approach
  - Simple random samples: Easy but imprecise
  - Stratified samples: categorize subareas based on homelessness levels
    - E.g. "High density" and "Low Density" subareas
- Determine your sample sizes
  - Focus on "High Density" areas
  - Sample enough "Low Density" areas so a single aberrant area does not throw off your estimate

## Sampling, 3

- Calculate Results
  - Multiple your number counted in each "high density" or "low density" category by a weighting factor
- Weighting factor  $(w.f.) = \frac{The total number of areas in that category}{The sampled number of areas in that category}$ 
  - E.g.: Weighting factor  $(w.f.) = \frac{60}{20} = 3$
- Category Estimate =  $(Number\ counted = 15) \times w.f.$ 
  - $E.g.: Category Estimate = 15 \times 3 = 45$  people

#### Service-based counts

- Ascertain the housing status of people using social services
  - Requires surveying; NO observation
- May be generally preferable:
  - in rural settings where a street-count is inefficient
  - For estimating especially hard-to-count populations
- Deduplication especially important
  - People may use multiple service centers
- Can be combined with street-based counts

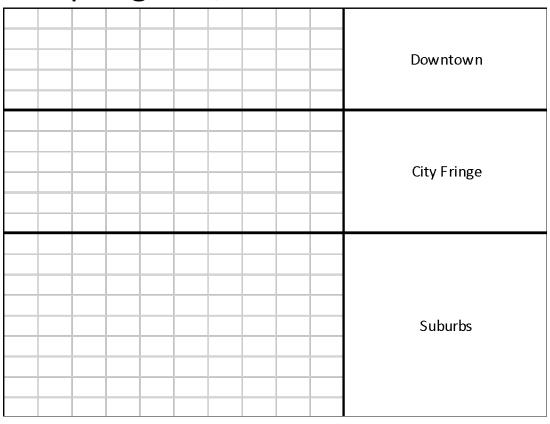
#### Administrative Data

CoCs can submit PIT estimates based on HMIS or other data

 CoC's must demonstrate some correlation between past data and PIT counts to show reliability for this year

## Example CoC: A Street-Count Sample

#### Springfield, USA



#### • Divide areas into 200 subareas

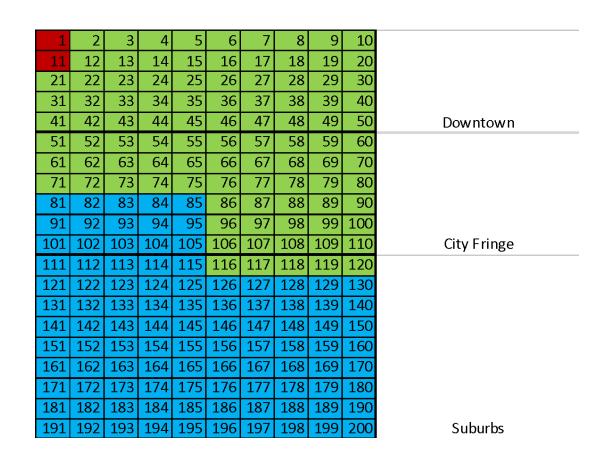
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	1	2	3	4	5	6	7	8	9	10	
	11	12	13	14	15	16	17	18	19	20	
	21	22	23	24	25	26	27	28	29	30	Downtown
	31	32	33	34	35	36	37	38	39	40	
	41	42	43	44	45	46	47	48	49	50	
Γ	51	52	53	54	55	56	57	58	59	60	
	61	62	63	64	65	66	67	68	69	70	
	71	72	73	74	75	76	77	78	79	80	City Frings
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	131	132	133	134	135	136	137	138	139	140	
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Γ	151	152	153	154	155	156	157	158	159	160	Suburbs
Γ	161	162	163	164	165	166	167	168	169	170	
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	181	182	183	184	185	186	187	188	189	190	
	191	192	193	194	195	196	197	198	199	200	

## Sampling Approach: A Stratified Sample

- Level 1: Certainty Zones
  - (2, in red)

- Level 2: High Density Zones
  - (98, in green)

- Level 3: Low Density
  - (100, in blue)

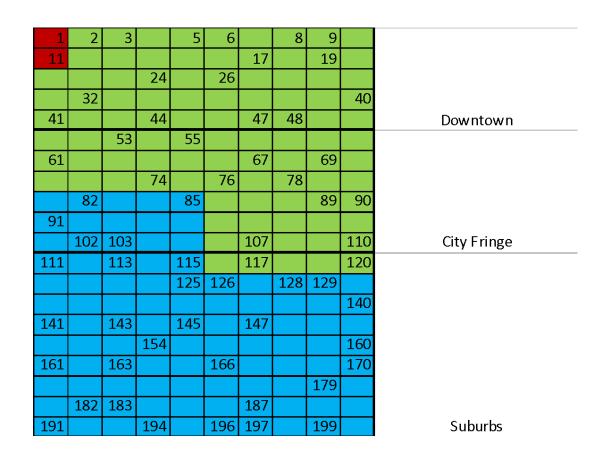


## Create & pull your sample

Level 1: all Certainty zones

• Level 2: 30 (of 98) High Density zones

• Level 3: 32 (of 100) Low Density zones



#### Assign areas to nights and teams

January 23<sup>rd</sup> is PIT night

- Brief survey conducted over four nights
- Have access to **four** outreach teams

Group similar areas together

Night	Team	Areas to Cover
1	А	1, 2, 3, 5
1	В	6, 8, 9, 11
1	С	17, 19, 24, 26, 32
1	D	40, 41, 44, 47, 48
2	Α	53, 55, 61, 67
2	В	69, 74, 76, 78
2	С	82, 85, 89, 90
2	D	91, 102, 103, 107, 110
3	А	111, 113, 115
3	В	117, 120, 125
3	С	126, 128, 129, 140
3	D	141, 143, 145, 147
4	А	154, 160, 161
4	В	163, 166, 170, 179
4	С	182, 183, 187, 191
4	D	194, 196, 197, 199

## Compiling Results

#### **Counts**

Certainty areas: 41

#### **Extrapolations**

41 people

Weighting factor 
$$(w.f.) = \frac{98}{30} = 3.3$$
  
H.D.Estimate =  $17 \times 3.3 = 56.1$  people

Low Density areas: 2

Weighting factor 
$$(w.f.) = \frac{100}{32} = 3.125$$
  
L. D. Estimate =  $2 \times 3.125 = 6.25$  people

$$PIT\ Estimate = 41 + 56.1 + 6.25 = 103$$

#### Conducting an Unsheltered Point-in-Time Count During the COVID-19 Pandemic

Updated January 4, 2020

Dan Treglia, PhD MPP, Daphne Chimbel BSW, Rebecca Brown, MD, MPH
University of Pennsylvania

https://endhomelessness.org/resource/conducting-anunsheltered-point-in-time-count-during-the-covid-19pandemic/

#### Questions?

Email: dtreglia@upenn.edu