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Racial Discrimination in the Life Course of Older Adults Experiencing Homelessness:

Results from the HOPE HOME Study

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#### ABSTRACT

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2 Over 2.5 million people experience homelessness yearly in the United States. Black persons are 3 overrepresented by three-fold among those experiencing homelessness but little research has 4 examined the relationship between race and homelessness. We aimed to understand the 5 relationship between race and the experience of homelessness for older adults. We used 6 grounded theory methodology to analyze in-depth qualitative interviews (n = 65) of persons 7 experiencing homelessness. We recruited participants who were enrolled in two sub-studies of 8 the Health Outcomes of People Experiencing Homelessness in Older Middle AgE (HOPE 9 HOME) Study in Oakland California. We identified two major themes within interviews with 10 Black participants (n=52) related to race: (1) participants experienced overt racial discrimination 11 in early life and (2) structural racism precipitated and perpetuated adult homelessness. Further, 12 we identified sub-themes of structural racism that contributed to participants becoming or staying 13 homeless: criminal justice discrimination, employment discrimination, exposure to violence, 14 premature death, and limited family wealth. We developed a theoretical model of how these 15 elements of structural racism may increase susceptibility to homelessness. These relationships 16 between racial discrimination and homelessness may serve as targets for policies aimed at 17 preventing homelessness. 18 19 Key words: homelessness; housing; racial discrimination; structural racism; health disparities 20 21 INTRODUCTION 22 Over 2.5 million people experience homelessness yearly in the United States. Between 2017 and

2018, the proportion of the US population experiencing homelessness rose for the second year in

24	a row <sup>2</sup> . Homelessness is associated with higher rates of physical, mental, and substance-use
25	related health conditions, <sup>3-5</sup> higher usage of emergency and hospital services, <sup>6</sup> and higher rates of
26	mortality than the general population and housed low-income populations. 1,7-10
27	
28	Persons of color make up the majority of those experiencing homelessness. <sup>2</sup> Black persons are
29	the most overrepresented, making up 40% of the population experiencing homelessness but only
30	13.5% of the general population in the United States. <sup>2</sup> Nearly 17% of older Black persons have
31	experienced homelessness within their lifetimes. <sup>11</sup>
32	
33	Black persons make up 21% of the population below the federal poverty line but 40% of the
34	population experiencing homelessness, which suggests that factors beyond higher representation
35	among those experiencing poverty make the Black population more susceptible to homelessness.
36	Yet, the factors driving Black overrepresentation among the population experiencing
37	homelessness and their implications remain understudied. <sup>12</sup>
38	
39	While quantitative methods reveal racial disparities in who experiences homelessness, qualitative
40	methodologies are necessary to examine the social factors driving those racial disparities. Using
41	a qualitative methodology, we analyzed participant interviews, identified themes related to race,
12	and present a theoretical model of how race may be related to homelessness.
13	
14	METHODS
45	Study Rationale and Design

We recruited older adults experiencing homelessness to the Health Outcomes of People

Experiencing Homelessness in Older Middle agE (HOPE HOME) study in Oakland California

from a random sample of homeless encampments, one recycling center, all overnight homeless
shelter, and all low-cost or free meal programs. We designed this sampling method with our
community advisory board using the best available knowledge of the population experiencing
homelessness in Oakland. Study interviews took place at St. Mary's Center, a non-profit
community-based organization serving older adults. To meet study criteria, participants were
English-speaking, aged 50 and over, defined as homeless by the Homeless Emergency
Assistance and Rapid Transition to Housing Act, and able to give informed consent. We obtained
written informed consent from all study participants.

We conducted in-depth qualitative interviews with 65 HOPE HOME study participants that explored their lived experiences with homelessness. We interviewed participants from two substudies of HOPE HOME. The *Homelessness across the Life Course (Life Course)* sub-study aimed to identify key life events and precipitants of homelessness. The *Family-Assisted Housing (FAH)* sub-study aimed to understand the experience of older homeless adults and the support they receive from families and friends. Both studies conducted in-depth qualitative interviews, where we invited participants to speak openly about their experiences with homelessness.

We analyzed the interview data from both sub-studies. We sampled individuals using a purposive population-based sampling method. In *Life Course*, we purposively sampled 24 total participants, stratified by age of first adult homelessness (before 50 versus after 50),

oversampling women. In *FAH*, we purposively sampled 48 participants with recent stays or contact with family. Seven HOPE-HOME participants were participants of both sub-studies.

### Data Collection

Researchers conducted one-time 60-90 minute semi-structured qualitative interviews that focused on participants' experiences with homelessness. In *Life Course*, we interviewed participants about their life history, focusing on their childhoods and the period preceding their first episode of homelessness In *FAH*, we interviewed participants about their lives prior to becoming homeless, their relationships with their families, and their experience of being homeless. Interviewers did not ask participants explicitly about race or racial discrimination. We provided a \$25 gift card for participation. The institutional review board of the University of California, San Francisco approved all study activities.

## Data Analysis

Three coders independently coded interviews in batches of 4-5 interviews and revised the codebook until they achieved inter-rater reliability. <sup>13</sup> We coded data using the Atlas.ti Qualitative Data Analysis Software (version 7.5.17). Following interviews, we generated detailed summaries and theoretical memos that detailed our thematic impressions and insights. <sup>14</sup> We identified areas of the transcripts where participants explicitly discussed race. In addition, we identified areas of the transcripts where participants discussed experiences with elements of structural racism. The sociological literature establishes these elements of structural racism, but participants may not have recognized them as such. We identified emergent themes and subthemes within these areas of transcripts. Finally, we analyzed the interrelatedness of themes and developed a theoretical

model of increased susceptibility to homelessness. We have edited participant quotations for clarity.

#### RESULTS

Among the participants interviewed, 52 of the 65 identified as Black, five as White, three as Latino, two as Asian or Pacific Islander, and three as other or mixed race/ethnicity. Fifty-one of the participants identified as men, thirteen as women, and one participant identified as a transgender woman. While we analyzed data from all 65 participants, we were only able to identify themes from the body of interviews of Black participants because there were too few participants who identified with identities to enable us to draw themes about their collective experience.

We identified two major themes within the interviews related to race from interviews with Black participants: (1) Participants experienced overt racism in early life. (2) Structural racism precipitated and perpetuated homelessness.

Overt racism is defined as discrimination based explicitly on the basis of race. Structural racism is defined as the societal systems, social forces, institutions, and ideologies that perpetuate racial inequities. The forces of structural racism are often invisible to those affected by it. This is because structurally racist forces are, on their surface, race-neutral. It is a macro analysis of the disparities they create reveals their racial bias. This superficial appearance of race-neutrality that allows structurally racist policies to persist despite legislation prohibiting racially discriminative policies. <sup>17-21</sup>

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We identified subthemes within the theme of structural racism: criminal justice 117

discrimination, <sup>22,23</sup> employment discrimination, <sup>24</sup> racial disparities in exposure to violence, <sup>25-27</sup>

racial disparities in rates of premature death, <sup>28</sup> and racial disparities in family wealth. <sup>29,30</sup>

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# Overt Racism in Early Life

Black participants reported being targets of open prejudice and racial discrimination in their early lives. Exposure to racial violence limited education and occupational opportunity for one participant who recalled being threatened with violence when he attended a newly desegregated high school.

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Participant 1, Black, Male, Age 59

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It was during that Brown versus Board of Education. They put us in a school in B. [predominantly White neighborhood], which was insane. Between the train station and the school there were a bunch of [White] guys waiting with bats and chains... the cops would look at us and see what was going on and would just drive away. You know, what scared me is that one [Black] guy they caught and beat him so bad that he just had a hole in his face, all his teeth, everything was gone, his lips, everything. It scared me so much. I said, "I'm not coming back to this school."

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The participant left school and never returned. With limited education, he struggled to find work:

"I was out of school, out of work, might as well say I was hustling." He connected exposure to

heroin and cocaine in his teenage years to his being out of school. Later in life, substance-use disorder contributed to his losing a job and subsequent homelessness.

For another participant, racialized verbal abuse and exclusion limited social networks. Another participant recounted being the target of racial epithets and excluded from activities on the basis of race. He reported that this incident made a previously large and diverse social network smaller.

# Participant 2, Black, Male, Age 54

It's sad that this world got to be a color barrier. Because when I grew up, we had a nice little crew, a white family, another white girl, a Filipino guy, a Spanish guy, a half-Black and half Indian guy, and an Italian and German guy... There's only one thing that I really felt bad about when I was a kid. That White family always used to come get us, we used to go to A's games, and we went somewhere to pick up another [White] family and they said they wasn't going because I was in the backseat... And I was really hurt and they called me a little baboon, African porch monkey or something like that. But that stuff really stick with me and I started hating White people for a while.

### **Structural Racism**

Criminal Justice Discrimination

Black participants described interactions with the criminal justice system that led directly to housing loss or sustained ineligibility for subsidized housing. One participant connected the criminalization of non-violent drug crimes with his becoming homeless:

Participant 3, Black, Male, Age 62

They didn't catch me with anything but they just suspected that I had sold some drugs.

They didn't find the drugs or the money, so they gave me a possession charge, a

misdemeanor. But that allowed them to come into my room any time. So they came in

while I was not expecting, [I] had a half-ounce of cocaine. They turned the misdemeanor

into a felony and violated my probation, which is the game that they play. Okay, so then I

end up losing my possessions, losing my [housing], by the time I come out [of jail] I'm

homeless.

Felony records made participants temporarily ineligible for housing assistance through their local public housing authorities. Participants described being denied a Housing Choice ("Section 8") vouchers:

Participant 4, Black, Male, Age 57

I signed up for Section 8 before and we got denied. I probably got denied because I have a felony record. I went to jail for somethin' I didn't do, standin' out in front of that old place out there. These guys goes in the building. I'm outside talkin' to 'em, they goes

182	inside the building, come back with some stuff, and the police come and put handcuffs on	
183	me. And next thing I know, I'm under arrest for somethin' I didn't do.	
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185	Participant 5, Black, Male, Age 52	
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187	"She just looked at me and she said, "Oh, I'm so sorry, we don't house criminals." So if	
188	you have any type of outstanding warrants or anything it will affect your housing.	
189		
190	Several participants reported racial profiling and arrest for crimes they report they did not	
191	commit. Participants' social networks experienced a similarly high prevalence of criminal justice	
192	interactions. Participants were at times unable to access financial or housing assistance because	
193	their family and friends were incarcerated or on parole.	
194		
195	Employment Discrimination	
196	Participants of all races reported that job loss was a common precipitant of homelessness. Some	
197	reported job loss after being employed their entire adult lives:	
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199	Participant 6, Black, Male, 65	
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201	I lost my job and it trickled downhill. Everything just start falling apart. Bills due,	
202	couldn't pay the bill, you know. Rent was due, couldn't pay the rent. Car note due,	
203	couldn't pay the car note. I ended up [with a] voluntary repossession on the car. The	
204	landlord eventually gave me \$2500 to get out of the place. I packed up all my stuff, stored	

205	it. But I still had no work, no steady income coming in, so I lost the storage. I end up
206	losing this, losing that, so after about six months, the only thing I had was the clothes on
207	my back, and, you know, couple blankets.
208	
209	However, only Black participants reported racial discrimination in the job market.
210	
211	Participant 2, Black, Male, Age 54
212	
213	I was working in W. [a predominantly white suburb] and there was a lot of racial
214	tension. And when they had cutbacks most of the minorities got let loose [laid off], and
215	some of us was hired before the other peoplewe had a real nice crew, and you can, you
216	can just tell when it's racial. And [White] guys [that] came on after us, stayed, but me
217	and the Asian guys got cut loose because they said cutbacks and stuff, but I think that the
218	guy I was working for, I think he just, was racist.
219	
220	Participant 7, Black, Male, Age 59
221	
222	"When they received her [participant mother's] application they told her, "Come on,
223	you're hired," they hired her sight unseen, and when she showed up as a Black person
224	they said, "No, Negress, we're not hiring you. They didn't know she was Black she
225	sued them and won her case and they hired her."
226	
227	Exposure to Violence

228	Black participants reported living in neighborhoods that they believed to be unsafe due to drug
229	trade or community violence. In some cases, safety concerns led participants to leave their home
230	
231	Participant 8, Black, Male, Age 60
232	
233	I continued to live there but drug dealers had moved into the neighborhood. I was in bed
234	and all this gunfire started, and it sounded like the guy was in the room with me. I mean
235	heard the gun recoil and everything. I finally got up off the floor because as soon as it
236	started I'd rolled out the bed to the floor. The guy was under my bedroom window having
237	a gunfight with another guy in front of the house. So, I moved out of there the next day.
238	
239	Another participant described their unsuccessful search for a neighborhood free of gang violence
240	before becoming homeless:
241	
242	Participant 7, Black, Male, Age 59
243	
244	I had an apartment in East Oakland but it was unsatisfactory, it was in a drug area, so I
245	kept moving, going back to Los Angeles and I came, I got tired of L.A. because L.A. was
246	too much gang, gang warfare, and then I got here, and it was the same situation here.
247	
248	Participant 3: Black, Male, 64
249	

250	"Okay, so there was an incident at my other sister's house, and it involved a shooting
251	and a killing. Her son got shot up, so she decided she was gonna move, but she couldn't
252	really afford to move."
253	
254	Exposure to and fear of physical violence limited housing options for these participants,
255	contributing to their becoming or staying homeless.
256	
257	Premature Death
258	The premature death of Black participants' parents, siblings and friends contributed, directly or
259	indirectly, to their becoming homeless. One participant described the death of parent in early life
260	that introduced emotional and financial hardships.
261	
262	Participant 9, Black, Male, 57
263	
264	We lost our mother when we were very, very young; she passed in '73. I was in the 9th
265	grade, and I'm 57 now, so they were very young. So we all like came up on our own, you
266	know, and I guess our coping skills weren't up to par.
267	
268	Participants described social networks depleted from deaths which limited their ability to access
269	housing or food in times of need:
270	
271	Participant 10, Black Male, 66
272	

273 All my close friends are dead. Which is sad. Like I said, I grew up in the 50s and the 60s 274 and the 70s, and they was doin' drugs, alcohol. A lot of my friends died of alcoholism or 275 drug overdose or just dead. 276 277 Participant 11, Black, Male, 57 278 279 "And other people that I knew, I heard, who were close to my same age, to my age, I 280 mean, and they were just dying', not from gunshot wounds or anything like that, from 281 illness." 282 283 Participant 12, Black, Female, 62 284 285 Me? You know what? When you've been through so many deaths – you know, my mom 286 passed, then my dad passed, I had two brothers before my mom and dad passed, drown at 287 the same time, had another brother that drowned, and most of my immediate family. 288 289 Limited Family Wealth 290 Black participants described family members who were, like them, in financially vulnerable 291 positions. Few family members owned homes and many lived in public housing or received 292 housing subsidies. In rental housing, with or without publicly funded subsidies, family members' 293 leases often included restrictions on allowing guests to stay with them. Participants feared that 294 staying with family would lead to their family members' eviction and would not stay with 295 housed family members in times of need:

296	
297	Participant 13, Black, Male, 55
298	
299	"But there's really no one that actually sees me come in and go out [of my daughter's
300	apartment] – because when I'm there, I don't make a lot of noise. I go in and I stay inside
301	and I just take it easy so – and she doesn't have a lot of friends in the building that come
302	in and say, hey, your dad's here! So a lot of people don't know, and I don't know if
303	there's a security camera. I really don't want to jeopardize my daughter['s] [housing]."
304	
305	Participants also described the loss of family homes.
306	
307	Participant 14, Black, Female, 61
308	
309	"He [participant's father] sold it [the family house] because he couldn't pay for it no
310	more, he sold it and we all went different ways,"
311	Participant 15, Black, Male
312	
313	"Well, I think they sell it [the house the participant grew up in], I'm pretty sure they
314	did,"
315	
316	We developed a theoretical model of how racial discrimination may increase susceptibility to
317	homelessness based on the experiences of participants with structural racism. We present our
318	theoretical model in the form of a structural map (Figure 1). Experiencing criminal justice

discrimination may result in ineligibility for subsidized housing and difficulty accessing housing in the private market. Employment discrimination limits income, which leads to limited housing options. Difficulty finding safe neighborhoods further limits housing options. When facing homelessness, it may not be possible to fall back on a social network that is subject to the forces of structural racism. Health disparities, such as the premature death of family friends and criminal justice discrimination may deplete social networks. Further, family members may be themselves be renters with restrictions on who they can house.

#### **DISCUSSION**

Through qualitative research embedded within a longitudinal cohort study of older adults experiencing homelessness, 3-5,31-33 we found that racial discrimination played a key role in the life course of older Black participants. Using grounded theory methodology, we found that overt racism in early life limited educational attainment and social networks for Black participants, which may have led to downstream effects in adulthood. Experiences with known elements of structural racism contributed to becoming or staying homeless for Black participants.

# Downstream Effects of Racial Discrimination in Early Life

Our participants were children during the Civil Rights Era (1940-1971). Two participants described experiences with racial violence, racialized verbal abuse, and race-based exclusion during childhood. Participants emphasized and retold these experiences, without prompting, when recounting their pathway to homelessness. The temporal distance between these child events and their adult homelessness makes drawing direct connections between these experiences difficult. While only two participants offered unprompted stories of being racially

discriminated against as children, these narratives provide information about the racial climate this cohort of may have faced in childhood.

A body of social science literature has established a biopsychosocial model of race-based traumatic stress in which psychological and emotional trauma can lead to negative long-term outcomes including poor health. To our knowledge, the association between overt racism and adult homelessness has not yet been studied. Adverse Childhood Events (ACEs), such as parental abuse and neglect, are known to be associated with high school non-completion, unemployment, low-income, health-compromising behaviors, and criminal justice involvement. These studies do not include experiences with racial discrimination in childhood as an ACE but our findings suggest that these experiences may have long-term negative impacts. 37,38

# Interconnected and Compounding Effects of Structural Racism

Increasingly, societal structures (i.e structural racism), rather than acts of overt discrimination maintain racial inequities.<sup>39,40</sup> We identified widespread exposure to various forms of structural racism in the life course of our participants.

In our study, Black participants reported frequent involvement with the criminal justice system, which resulted in or maintained their homelessness. Several Black participants recounted arrest or conviction for crimes they reported that they did not commit. These findings are consistent with documented racial discrimination across the criminal justice system. <sup>41</sup> Black men are six times more likely to be incarcerated than White men, Black women twice as likely as White women. <sup>42</sup> Black Americans are more likely to be stopped and detained pretrial, and are twelve

times more likely to be wrongfully convicted than innocent White Americans of drug crimes.<sup>43</sup> When convicted, Black Americans face harsher sentencing.<sup>44</sup>

Incarceration has detrimental effects on individuals, including decreased ability to access housing, income, and public assistance. <sup>45,46</sup> In our study, incarceration hampered protection against exits from homelessness by making participants ineligible for subsidized housing. The loss of access to housing and other forms of economic support is a recognized collateral consequence of criminal justice involvement. <sup>46</sup> Those with a felony conviction face a federally mandated 3-year ban on eligibility for subsidized housing, and local housing authorities maintain the ability to impose stricter bans. <sup>47</sup>

For all renters, whether or not their housing is subsidized, there is little protection against criminal background checks and discrimination by landlords. As Persons with criminal records are not a protected group under the Fair Housing Act (FHA). Under federal guidelines, housing providers may consider some forms of criminal justice system involvement in determining rental eligibility. Because of increased recognition that criminal justice involvement disproportionately impacts racial minorities, such policies can be contested under the FHA, but many go unchallenged. A recent study shows that Black Americans with criminal records receive unequal treatment from housing providers compared with White Americans with the same criminal record. As long as racial minorities are overrepresented among those with criminal records, legal discrimination against those with criminal records will contribute to racial disparities in housing access and homelessness.

Job loss precipitated housing loss for many participants, consistent with a recent survey finding employment loss to be the most common proximal cause of homelessness.<sup>51</sup> Our findings that Black Americans were discriminated against in employment is consistent with documented racial discrimination in hiring,<sup>24</sup> as well as discriminatory monitoring and firing.<sup>52</sup> Limited income due to employment discrimination contributed to limited access to housing for some participants and their families. Further exacerbating limited housing access, Black Americans may pay higher rent than White Americans when accessing identical housing in identical neighborhoods.<sup>53</sup>

Exposure to and fear of violence further limited housing options and contributed to becoming homeless for some participants. Historically discriminatory housing policies, known as "redlining," have concentrated Black communities within impoverished neighborhoods of American cities.<sup>54</sup> Studies suggest that these policies of racial segregation and impoverishment drive higher levels of exposure to violence within these neighborhoods.<sup>55,56</sup> Participants described having limited housing options because of fear of violence as well as moving between multiple cities to search for safety.

Criminal justice discrimination, subsequent legal housing discrimination, employment discrimination, and limited access to safe housing contributed to housing instability and loss for Black participants. These forces acted on their family members and friends. When participants needed help, they could not fall back on their social networks for support. Over three-quarters of recently incarcerated persons report either being ineligible for or having been denied housing because of their own or a close contacts' conviction history.<sup>57</sup>

The documented life expectancy gap for Black Americans manifested in our study as participant experiences with the premature death of family and friends. Participants reported that having a parent die during their childhood destabilized their families and finances. Death of a parent in childhood is associated with poorer mental health outcomes in persons experiencing homelessness. The prevalence of these losses is consistent with studies showing Black Americans are more likely than White Americans to have a parent die during childhood, an established source of racial disadvantage. For our participants, losses from the premature death of family members compounded with incarceration to leave social networks depleted.

Black participants reported being close to family and friends they did have but family members were themselves low-income, consistent with the persistent and widening wage gap between Black and White Americans.<sup>61,62</sup> Families rarely had wealth to insulate against financial hardship. White households have nearly ten times the median wealth of Black households.<sup>62,63</sup> Over one-third of Black households have zero or negative wealth holdings.<sup>64</sup>

Many of the participants' family members experienced housing insecurity or lived in subsidized housing. Few families owned homes. The homeownership rate for Black Americans is 29% below that of Whites and this gap is increasing. Research has linked the persistent disparities in homeownership to a history of de facto and de jure racial discrimination, often referred to as "redlining." Rental leases, in both subsidized and non-subsidized housing, place limits on how long tenants may allow non-lease holders to stay in their housing units. Violating these clauses can lead to eviction. Black Americans continue to be at highest risk for eviction across American cities. In our study, participants' fear of precipitating their family's eviction curtailed their

willingness to stay with family. This finding was consistent with a recent study that showed Black and Latinx families, compared to White families, were less able to access rent-free arrangements when they needed assistance.<sup>68</sup> Both participants and members of their social network were affected by structural racism, leading to an increased susceptibility to homelessness.

Our study had limitations. We recruited from one city. All interviews were conducted in English. We did not design the qualitative interviews to query about racial discrimination. However, exploratory qualitative studies are intentionally open-ended and participant-driven. The open-ended nature of semi-structured interviews allows themes to emerge that may not be identified using other research methodologies. Narratives about racial discrimination were offered unprompted, underscoring their salience to participants. We were only able to identify themes from the body of interviews of Black American participants because other races and ethnicities were not represented well enough to enable us to draw themes about their collective experience. Additionally, we were unable to identify themes specific to intersections of race and gender or sexual orientation due to limited representation.

#### CONCLUSIONS

We developed a theoretical model of the way experiences with overt and structural racism may lead to and perpetuate homelessness for older Black adults. Addressing these social processes may be a critical component of addressing racial health disparities that result from the increased risk of homelessness borne by Black Americans. Further research may include validated measures to examine experiences of discrimination, examine the prevalence of experiences

known to represent structural racism, and qualitative approaches that directly ask participants about their experiences with overt racism before and after becoming homeless. We recommend that efforts aimed at ending homelessness target the effects of structural racism with polices such as (1) criminal justice reform aimed at decreasing barriers to obtaining subsidized and free-market housing for formerly incarcerated persons; (2) increased availability of legal assistance for persons facing employment and housing discrimination; (3) assistance to renters facing eviction through enforcement of the Fair Housing Act; (4) and policies that promote family wealth for low income families, including assistance with homeownership.

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### **Prior Presentations**

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Disparities Research Symposium

# 480 **Declarations of Interest** 481 Dereck W. Paul Jr., MS reports no conflicts of interest. 482 Kelly R. Knight, PhD reports no conflicts of interest. 483 Pamela Olsen, MA reports no conflicts of interest. 484 John Weeks reports no conflicts of interest. 485 Irene H. Yen, PhD reports no conflicts of interest. 486 Margot B. Kushel, MD reports no conflicts of interest. 487 488 **Ethical Approval** 489 All procedures performed in studies involving human participants were in accordance with the 490 ethical standards of the institutional review board of the University of California, San Francisco 491 and with the 1964 Helsinki declaration and its later amendments or comparable ethical standards. 492 493 **Biographical Notes** 494 Dereck W. Paul, MS is an MD Candidate at the University of California San Francisco (UCSF) 495 where he served as a Co-President of the Student National Medical Association (SNMA) UCSF 496 chapter and is a SNMA David E. Satcher Research Fellow in Health Disparities. 497 498 Kelly R. Knight, PhD is an Associate Professor in the department of Anthropology, History, and 499 Social Medicine at the University of California San Francisco where she studies the social 500 construction and experiences with addiction, comorbidity, chronic pain, motherhood, and 501 citizenship. 502

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### REFERENCES

519

520

- 521 1. Fazel S, Geddes JR, Kushel M. The health of homeless people in high-income countries:
- descriptive epidemiology, health consequences, and clinical and policy recommendations. Lancet
- 523 (London, England) 2014;384:1529-40.
- Henry M, Mahathey A, Morrill T, Robinson A, Shivji A, Watt R. The 2018 Annual

leads the UCSF Benioff Homelessness and Housing Initiative.

- Homeless Assessment Report (AHAR) to Congress: The U.S. Department of Housing and Urban
- 526 Development; 2018.

- 527 3. Patanwala M, Tieu L, Ponath C, Guzman D, Ritchie CS, Kushel M. Physical,
- 528 Psychological, Social, and Existential Symptoms in Older Homeless-Experienced Adults: An
- Observational Study of the Hope Home Cohort. J Gen Intern Med 2018;33:635-43.
- Brown RT, Goodman L, Guzman D, Tieu L, Ponath C, Kushel MB. Pathways to
- Homelessness among Older Homeless Adults: Results from the HOPE HOME Study. PLoS One
- 532 2016;11:e0155065.
- 533 5. Spinelli MA, Ponath C, Tieu L, Hurstak EE, Guzman D, Kushel M. Factors associated
- with substance use in older homeless adults: Results from the HOPE HOME study. Subst Abus
- 535 2017;38:88-94.
- 6. Raven MC, Tieu L, Lee CT, Ponath C, Guzman D, Kushel M. Emergency Department
- Use in a Cohort of Older Homeless Adults: Results From the HOPE HOME Study. Acad Emerg
- 538 Med 2017;24:63-74.
- 7. Aldridge RW, Story A, Hwang SW, et al. Morbidity and mortality in homeless
- 540 individuals, prisoners, sex workers, and individuals with substance use disorders in high-income
- countries: a systematic review and meta-analysis. Lancet 2018;391:241-50.
- 8. Roncarati JS, Baggett TP, O'Connell JJ, et al. Mortality Among Unsheltered Homeless
- Adults in Boston, Massachusetts, 2000-2009. JAMA Internal Medicine 2018.
- 9. Morrison DS. Homelessness as an independent risk factor for mortality: results from a
- retrospective cohort study. Int J Epidemiol 2009;38:877-83.
- 546 10. Nusselder WJ, Slockers MT, Krol L, Slockers CT, Looman CWN, van Beeck EF.
- Mortality and life expectancy in homeless men and women in Rotterdam: 2001-2010. PloS one
- 548 2013;8:e73979-e.
- 549 11. Fusaro VA, Levy HG, Shaefer HL. Racial and Ethnic Disparities in the Lifetime
- Prevalence of Homelessness in the United States. Demography 2018.
- 551 12. Jones MM. Does Race Matter in Addressing Homelessness? A Review of the Literature.
- 552 World Medical & Health Policy 2016;8:139-56.
- 553 13. Corbin JM, Strauss AL. Basics of Qualitative Research: Techniques and Procedures for
- 554 Developing Grounded Theory. 2008.
- 555 14. Montgomery P, Bailey PH. Field Notes and Theoretical Memos in Grounded Theory.
- Western Journal of Nursing Research 2007;29:65-79.
- 557 15. Gee GC, Ford CL. Structural Racism and Health Inequities: Old Issues, New Directions.
- 558 Du Bois Review 2011;8:115-32.
- 559 16. Bailey ZD, Krieger N, Agénor M, Graves J, Linos N, Bassett MT. Structural racism and
- health inequities in the USA: evidence and interventions. The Lancet;389:1453-63.
- 561 17. Kendi IX. Stamped from the Beginning: The Definitive History of Racist Ideas in
- 562 America 2017.
- 563 18. Kendi IX. How to be an antiracist2019.
- 564 19. Metzl JM, Roberts DE. Structural competency meets structural racism: race, politics, and
- the structure of medical knowledge. Virtual Mentor 2014;16:674-90.
- 566 20. Nelson A. The Longue Durée of Black Lives Matter. American Journal of Public Health
- 567 2016;106:1734-7.
- 568 21. Roberts DE. Killing the Black Body: Race, Reproduction, and the Meaning of Liberty.
- 569 1998.
- 570 22. Loïc W. Deadly Symbiosis: When Ghetto and Prison Meet and Mesh. Punishment &
- 571 Society 2001;3:95-133.
- 572 23. Alexander M. The new Jim Crow: mass incarceration in the age of colorblindness. 2012.

- 573 24. Quillian L, Pager D, Hexel O, Midtbøen AH. Meta-analysis of field experiments shows
- 574 no change in racial discrimination in hiring over time. Proceedings of the National Academy of
- 575 Sciences 2017.
- 576 25. Auyero J, Bourgois PI, Scheper-Hughes N. Violence at the urban margins2015.
- 577 26. Zimmerman GM, Messner SF. Individual, family background, and contextual
- 578 explanations of racial and ethnic disparities in youths' exposure to violence. American journal of
- 579 public health 2013;103:435-42.
- 580 27. Browning CR, Calder CA, Ford JL, Boettner B, Smith AL, Haynie D. Understanding
- Racial Differences in Exposure to Violent Areas: Integrating Survey, Smartphone, and
- Administrative Data Resources. The ANNALS of the American Academy of Political and Social
- 583 Science 2016;669:41-62.
- 584 28. Cunningham TJ, Croft JB, Liu Y, Lu H, Eke PI, Giles WH. Vital Signs: Racial
- 585 Disparities in Age-Specific Mortality Among Blacks or African Americans United States,
- 586 1999-2015. MMWR Morbidity and mortality weekly report 2017;66:444-56.
- Roberts DE. Killing the black body: race, reproduction, and the meaning of liberty1999.
- 588 30. Bailey ZD, Krieger N, Agenor M, Graves J, Linos N, Bassett MT. Structural racism and
- health inequities in the USA: evidence and interventions. Lancet 2017;389:1453-63.
- 590 31. Landefeld JC, Miaskowski C, Tieu L, et al. Characteristics and Factors Associated With
- Pain in Older Homeless Individuals: Results From the Health Outcomes in People Experiencing
- Homelessness in Older Middle Age (HOPE HOME) Study. J Pain 2017.
- 593 32. Hurstak E, Johnson JK, Tieu L, et al. Factors associated with cognitive impairment in a
- 594 cohort of older homeless adults: Results from the HOPE HOME study. Drug Alcohol Depend
- 595 2017;178:562-70.
- 596 33. Brown RT, Hemati K, Riley ED, et al. Geriatric Conditions in a Population-Based
- 597 Sample of Older Homeless Adults. Gerontologist 2017;57:757-66.
- 598 34. Robert TC. Racism and Psychological and Emotional Injury: Recognizing and Assessing
- Race-Based Traumatic Stress. The Counseling Psychologist 2007;35:13-105.
- 600 35. Carter RT, Mazzula S, Victoria R, et al. Initial development of the Race-Based Traumatic
- Stress Symptom Scale: Assessing the emotional impact of racism. Psychological Trauma:
- Theory, Research, Practice, and Policy 2013;5:1-9.
- 603 36. Heard-Garris NJ, Cale M, Camaj L, Hamati MC, Dominguez TP. Transmitting Trauma:
- A systematic review of vicarious racism and child health. Soc Sci Med 2018;199:230-40.
- 605 37. Giovanelli A, Reynolds AJ, Mondi CF, Ou S-R. Adverse Childhood Experiences and
- Adult Well-Being in a Low-income, Urban Cohort. Pediatrics 2016.
- 607 38. Metzler M, Merrick MT, Klevens J, Ports KA, Ford DC. Adverse Childhood Experiences
- and Life opportunities: Shifting the Narrative. Children and Youth Services Review
- 609 2017;72:141-9.
- 610 39. Carmichael S, Hamilton CV. Black power: the politics of liberation in America. New
- York: Vintage Books; 1967.
- 40. Jones CP. Levels of racism: a theoretic framework and a gardener's tale. Am J Public
- 613 Health 2000;90:1212-5.
- 41. An Unjust Burden: The Disparate Treatment of Black Americans in the Criminal Justice
- 615 System. 2018.
- 616 42. Carson EA, Anderson E. Prisoners in 2015: United States Department of Justice; 2015.
- 617 43. Gross S, Possley M, Stephens K. Race and Wrongful Convictions in the United States:
- Newkirk Center for Science and Society; 2017.

- 619 44. Hinton E, Henderson L, Reed C. An Unjust Burden: The Disparate Treatment of Black
- Americans in the Criminal Justice System: Vera Institute of Justice; 2018.
- 621 45. Alexander M. The New Jim Crow: Mass Incarceration in the Age of
- 622 Colorblindness2012.
- 623 46. Kirk DS, Wakefield S. Collateral Consequences of Punishment: A Critical Review and
- Path Forward. Annual Review of Criminology 2018;1:171-94.
- 625 47. Keene DE, Rosenberg A, Schlesinger P, Guo M, Blankenship KM. Navigating Limited
- and Uncertain Access to Subsidized Housing After Prison. Housing policy debate 2018;28:199-
- 627 214.
- 628 48. Garboden P. Urban landlords and the Housing Choice Voucher program: a research
- report: United States Department of Housing Urban Development; 2018.
- 630 49. Kanovsky HR. Office of General Counsel Guidance on application of Fair Housing Act
- standards to the use of criminal records by providers of housing and real estate-related
- transactions. Washington, DC: U.S. Department of Housing and Urban Development; 2016.
- 633 50. Locked Out: Criminal Background Checks as a Tool for Discrimination: Greater New
- Orleans Fair Housing Action Center; 2015.
- 51. 2017 San Francisco Homeless Count & Survey: Applied Survey Research; 2017.
- 636 52. Cavounidis C, Lang K. Discrimination and Worker Evaluation: National Bureau of
- 637 Economic Research; 2015.
- 638 53. Early DW, Carrillo PE, Olsen EO. Racial rent differences in U.S. housing markets:
- 639 Evidence from the housing voucher program EARLY. J Regional Sci Journal of Regional
- 640 Science 2019.
- 641 54. Aaronson D, Harley D, Mazumder B. The Effects of 1930s HOLC "Redlining" Maps:
- 642 Federal Reserve Bank of Chicago; 2017.
- 643 55. Krivo LJ, Peterson RD, Kuhl DC. Segregation, racial structure, and neighborhood violent
- crime. American Journal of Sociology 2009;114:1765-802.
- 56. Jacoby SF, Dong B, Beard JH, Wiebe DJ, Morrison CN. The enduring impact of
- 646 historical and structural racism on urban violence in Philadelphia. Soc Sci Med 2018;199:87-95.
- 647 57. deVuono-powell S, Schweidler C, Walters A, Zohrabi A. Who pays? The True Cost of
- Incarceration on Families: Ella Baker Center for Human Rights, Forward Together, Research
- 649 Action Design; 2015.
- 650 58. Arias E. United States Life Tables, 2011. Natl Vital Stat Rep 2015;64:1-63.
- 651 59. Lee CM, Mangurian C, Tieu L, Ponath C, Guzman D, Kushel M. Childhood Adversities
- Associated with Poor Adult Mental Health Outcomes in Older Homeless Adults: Results From
- the HOPE HOME Study. Am J Geriatr Psychiatry 2017;25:107-17.
- 654 60. Umberson D, Olson JS, Crosnoe R, Liu H, Pudrovska T, Donnelly R. Death of family
- members as an overlooked source of racial disadvantage in the United States. Proceedings of the
- National Academy of Sciences 2017;114:915.
- 657 61. Bayer PJ, Charles KK. Divergent Paths: A New Perspective on Earnings Differences
- between Black and White Men Since 1940. SSRN Journal SSRN Electronic Journal 2018.
- 659 62. Jones J, Schmitt J, Wilson V. 50 Years after the Kerner Commission: African Americans
- Are Better off in Many Ways but Are Still Disadvantaged by Racial Inequality. Washington, DC:
- 661 Economic Policy Institute; 2018.
- 662 63. Dettling LJ, Hsu JW, Jacobs L, Moore KB, Thompson JP. Recent Trends in Wealth-
- Holding by Race and Ethnicity: Evidence from the Survey of Consumer Finances: Board of
- Governors of the Federal Reserve System (U.S.); 2017.

- 665 64. Kochhar R, Taylor P, Fry R. Wealth Gaps Rise to Record Highs Between Whites, Blacks
- and Hispanics. Washington, D.C.: Pew Research Center; 2011.
- 667 65. The State of The Nation's Housing 2018: Joint Center for Housing Studies of Harvard
- 668 University; 2018.
- 669 66. Rothstein R. The Color of the Law: A Forgotten History of how our Government
- 670 Segregated America 2017.
- 671 67. Desmond M. Eviction and the Reproduction of Urban Poverty. American Journal of
- 672 Sociology 2012;118.
- 673 68. Whitehead E. Paying for Their Stay: Race, Coresiding Arrangements, and Rent Payments
- Among Fragile Families. Journal of Family Issues 2018;39:4041-65.

**Table 1.** Participant Demographics, (n=65)

Characteristic	Percentage of Participants (number of participants)
Men, %	78.5 (51)
Women, %	20 (13)
Transgender Women, %	2 (1)
Race/ethnicity	
Black/African American, %	80 (52)
White, %	7.7 (5)
Latino, %	4.6 (3)
Other, %	4.6 (3)
Asian and Pacific Islander	3.0 (2)

Structural Racism and the Individual Structural Racism and the Social Network Community violence exposure Depleted social networks Premature death limits safe housing options Temporary ineligibility for subsidized housing Criminal justice Limited access Inability to fall back on social discrimination to housing network for housing Life-long discrimination against criminal records in private market Employment discrimination Family are renters with restrictions on Limited family wealth limits income and homeownership guests and fear of eviction Increased susceptibility to homelessness

Figure 1: A Theoretical Model of Racial Discrimination in the Pathway to Homelessness