Article

Registered Sex Offenders in the United States: Behind the Numbers

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Andrew J. Harris¹, Jill S. Levenson², and Alissa R. Ackerman³

Abstract

Although sex offender registration and notification policies have occupied an increasingly prominent place on state and federal crime control agendas, much policy discourse has occurred amid a dearth of reliable and relevant national data. This article presents the results of a study designed to broaden knowledge about the registered sex offender (RSO) population and the content of the nation's sex offender registries. The authors analyze statelevel RSO populations across several dimensions, including levels of public Internet disclosure, RSO residential status, supervision status, and assigned risk levels. Findings suggest significant interstate variation across these dimensions, and indicate that the nation's RSO population is considerably more diverse and complex than commonly portrayed in the media and in policy debates. Implications for federal and state policies aimed at reforming the nation's sex offender registries are discussed.

Keywords

sex offenders in United States, sex offender registration, Adam Walsh Act, sex offender policy

³University of Washington Tacoma, USA

Corresponding Author:

Andrew J. Harris, Department of Criminal Justice & Criminology, University of Massachusetts Lowell, 870 Broadway Street, No. 225, Lowell, MA 01854, USA. Email: Andrew_harris@uml.edu

¹University of Massachusetts Lowell, USA

²Lynn University, Boca Raton, FL, USA

Since the early 1990s, policies governing the registration of convicted sex offenders and the public dissemination of this information have emerged as prominent elements in the nation's public safety landscape. Independent systems of sex offender registration and notification (SORN) now operate in all U.S. states and territories, and in many tribal nations. Since the 1994 passage of the Jacob Wetterling Crimes Against Children Act, systems have been subject to increasing levels of federal oversight and involvement amid Congressional concerns that perceived "cracks in the system" are being exploited by dangerous sex offenders seeking to evade monitoring and detection. With the 2006 Adam Walsh Child Protection and Safety Act (AWA), Congress charged the U.S. Department of Justice with developing and enforcing national guide-lines designed to instill greater uniformity in SORN systems across states, territories, and tribal jurisdictions.

While SORN's general objectives are to improve the monitoring and tracking of sex offenders by law enforcement and to provide the public with information about registered sex offenders (RSOs) living in their communities, data contained within sex offender registries can also play a central role in the broader arena of sex offender management policy. At the offender level, assigned status on a sex offender registry may be utilized to determine restrictions on residence and employment, or may trigger electronic monitoring or other supervision requirements. In the public policy domain, statistics associated with the registries are routinely used for purposes of framing problems, allocating resources, and making operational decisions. Considering these factors, data reflecting the scope and composition of the nation's RSO population play an important role in policy debates concerning sex offender management.

To date, there has been little systematic analysis of the structure and content of the registries and the diversity of individuals contained within them. Although some studies have produced data on the demographic and risk profiles of RSOs in individual states including New York (Freeman & Sandler, 2010), Iowa (Adkins, Huff, & Stageberg, 2000), Oklahoma and Ohio (Harris, Lobanov-Rostovsky, & Levenson, 2010), and South Carolina (Levenson, Letourneau, Armstrong, & Zgoba, 2010), there has been limited uniformity in the characteristics that have been described. This knowledge gap may be attributed in part to the fact that the registries are independently maintained by the states and use a wide range of data standards (Ackerman, Harris, Levenson, & Zgoba, 2011).

The publicly available national registry data that do exist, drawn from a twice-per-year phone survey conducted by the National Center for Missing and Exploited Children (NCMEC), provide a comprehensive state-by-state

RSO count but little in the way of population details. As of June 2011, NCMEC reported a total of 739,853 RSOs throughout the United States (NCMEC, 2011). While this information, along with the jurisdictional distribution of the total figure, provides a useful overall snapshot, it also prompts many questions. What is the demographic (e.g., race, age, gender) composition of this population? What proportion is living in the community, and what proportions are incarcerated, residing out of state, deported, or otherwise inactive? How many are under active parole or probation supervision? What types of offenses have they committed, and how many are repeat offenders? How is this population distributed across offense types, risk levels, and other salient variables? These and many other policy-relevant questions concerning the scope and composition of the nation's RSO population are just beginning to be explored in the research literature.

Beyond these questions regarding the RSO population, another set of unanswered questions concerns the scope and operations of the registries themselves. Concerns that jurisdictional inconsistencies in registry requirements could be easily exploited by sex offenders attempting to evade authorities were a driving force behind the passage of Title I of the AWA of 2006, also known as the Sex Offender Registration and Notification Act (SORNA). Although such variation does indeed exist, most policy discussions have been driven more by a vague sense of these problems rather than by systematic analyses of specific inconsistencies and, perhaps more critically, *why* they exist and their implications for sex offender management practice.

RSO Statistics: What Do We Know About the U.S. Sex Offender Population?

Since the mid-2000s, an emerging body of research has begun to analyze the impacts of state-level SORN systems. These studies have primarily evaluated factors such as the policies' effects on recidivism (Duwe & Donnay, 2008; Letourneau, Levenson, Bandyopadhyay, Sinha, & Armstrong, 2010; Sandler, Freeman, & Socia, 2008; Vasquez, Maddan, & Walker, 2008; Zgoba, Witt, Dalessandro, & Veysey, 2009), offender reintegration (Levenson & Cotter, 2005; Levenson, D'Amora, & Hern, 2007; Mercado, Alvarez, & Levenson, 2008; Tewksbury, 2005; Tewksbury & Lees, 2006; Zevitz, 2006), and community protection behaviors (Anderson & Sample, 2008; Bandy, 2011; Kernsmith, Comartin, Craun, & Kernsmith, 2009).

Few studies have produced comprehensive national data describing the characteristics of the RSO population. Ackerman and colleagues (2011) analyzed case-level data on 445,127 RSOs obtained in 2010 from the public

registries of 49 states, Washington, DC, Puerto Rico, and Guam. Demographically, the sample was found to be overwhelmingly male (98%), White (66%), and on average, about 45 years old (SD = 13.32; range = 12-99). Approximately 12% of the sample (n = 52,250) were listed as not living in the community, including those who were institutionalized (n = 47,971), deported (n = 3,251), or deceased (n = 1,028). Approximately 18,000 RSOs (4% of the sample) were designated as transient, homeless, absconded, noncompliant, or their addresses or whereabouts were otherwise unknown. Given that states use a variety of methods to classify absconders, registration violators, and others whose locations are uncertain, it was difficult to ascertain the specific number of fugitive sex offenders (Ackerman et al., 2011).

The authors noted that analyses were limited by significant variability in the scope, content, and format of information contained within state registries—variability that complicates interjurisdictional comparisons and challenges efforts to develop a comprehensive descriptive portrait of the nation's sex offenders. Although certain aggregated demographic characteristics were reported with a reasonable degree of confidence, analyzing critical factors such as offense histories and RSO risk profiles was confounded by substantial variation in states' definitions and procedures (Ackerman et al., 2011).

NCMEC Estimates: Scope, Roles, and Limitations

In the absence of published studies investigating the characteristics of sex offenders listed on registries, national sex offender registration statistics particularly those cited in the media and used by policy makers—have generally emanated from a single source, the NCMEC. An independent nonprofit entity, NCMEC received approximately US\$38 million in federal funds in fiscal year 2010, most of which is provided through grants and contracts with the U.S. Department of Justice (U.S. House of Representatives Committee on the Judiciary, 2011). Among its many functions, NCMEC manages the National Sex Offender Targeting Center, a federally funded initiative that works in coordination with the U.S. Marshals service to track and apprehend fugitive sex offenders. The organization and its leaders have played a prominent role in promoting expanded federal responsibility in the nation's sex offender management policies, including the development and implementation of the AWA.

NCMEC produces and publicly disseminates a state-by-state map of RSOs two times per year. The data contained in these maps, gathered via phone surveys of state registry officials, include an aggregate count of RSOs in each state and territory, along with U.S. census-adjusted figures denoting the rate of RSOs per 100,000 citizens. As of June 2011, the NCMEC figures reported a total of 739,853 RSOs across the 50 states, the District of Columbia, and 6 U.S. territories (a total of 57 jurisdictions), for an average rate of 236 RSOs per 100,000 (NCMEC, 2011). Of this total, approximately 42% (n = 308,298) came from 5 states—California (n = 106,216), Texas (n = 66,587), Florida (n = 55,999), Michigan (n = 47,329), and New York (n = 32,257). Of the 57 jurisdictions reporting, NCMEC reported that 38 of these included in their totals those RSOs who were incarcerated, deported, or had moved to another state.

Limitations of NCMEC Data

As the primary source of national data regarding the nation's registries, the NCMEC figures carry significant influence in shaping both public opinion and policy deliberations regarding the nation's responses to sexual violence. These data, however, are limited in some important ways.

The first set of limitations concerns the data's aggregate nature. Presenting individual state counts of RSOs feeds into a tendency among the media and general public to adopt a homogenized view of the sex offender population, generally coupled with the belief that the typical RSO is a dangerous and repetitive sexual predator (Fortney, Levenson, Brannon, & Baker, 2007; Levenson, Brannon, Fortney, & Baker, 2007; Lieb & Nunlist, 2008; Mears, Mancini, Gertz, & Bratton, 2008). In contrast with this perception, data suggest that sex offenders represent a diverse population and that most convicted sex offenders in the United States are not repeat offenders (Bureau of Justice Statistics, 2003; Sandler et al., 2008). Meta-analyses indicated that between 14% and 27% of sex offenders reoffend and that identifiable subgroups of sex offenders are at higher than average risk to repeat their sexual crimes by virtue of factors such as general criminality, victim preference, and sexual deviance (Hanson & Bussiere, 1998; Hanson & Morton-Bourgon, 2005; Harris & Hanson, 2004). Considering these factors, an aggregate count by state has limited practical utility for practitioners, policy makers, and the public, whereas a more complete picture of RSOs across risk and management levels would provide a far more revelatory picture.

A second set of limitations concerns the indications that 38 of 57 reporting jurisdictions included in their counts some combination of registrants who are incarcerated, deported, or living in another state. This creates certain confounding problems with direct implications for policy, planning, and resource allocation. Since jurisdictions vary in their data collection and reporting procedures, the overall numbers and population-adjusted rates are not directly

comparable across jurisdictions, and in some cases may be highly inflated. This is relevant, for example, in decisions regarding allocation of federal resources aimed at registry improvements or expanded enforcement efforts. Perhaps more critically, SORN is ostensibly intended to facilitate tracking and monitoring of sex offenders within the community. As such, it is vital to distinguish between RSOs who are living in the community within a given jurisdiction and those who are not. Not only are such distinctions essential for planning, management, and resource allocation decisions, but the inclusion of these groups has the net effect of inflating the number of RSOs reported as living among us. The inclusion of out-of-state registrants in the official NCMEC statistics is particularly problematic, in that it raises a fundamental question of whether and to what extent individual RSOs are being counted more than once, thus inflating the overall national estimate.

Missing, Absconded, and Noncompliant Sex Offenders

Another key fixture in the SORN policy dialogue, and one particularly prone to obfuscation, involves the issue of RSOs who are missing, absconded, or noncompliant with registration requirements. Since 2003, the statistic that more than 100,000 sex offenders are missing and unaccounted for has appeared in dozens of media accounts, official testimony, and government reports, and has been routinely cited as a rationale for new federal guidelines and enforcement of registration laws. Despite its significant shelf-life and its influence in the policy discourse, the "100,000 missing" figure was based on flawed survey results that have never been fully released or substantiated. Moreover, many state-based SORN systems were in relative infancy at the time of that survey, and it remains unclear how much of the "missing sex offender" problem was due to actual RSO noncompliance and how much could be attributed to administrative and data management problems with the registries themselves (Levenson & Harris, 2011).

Goals of the Current Study

In the context of these issues, the current study was designed to build upon the nascent research literature regarding the scope of U.S. sex offender registries and the individuals contained within them. The study was designed with particular emphasis on adding detail and context to the aggregate state figures produced and disseminated by NCMEC. Based on a survey of state registries conducted between July and November 2010, the study sought to obtain accurate estimates of (a) rates of public disclosure (i.e., the proportion of each state's RSOs whose information is publicly available on the Internet); (b) residential status (i.e., the proportion actively residing within the community, incarcerated, relocated to another state, deported, deceased, or otherwise inactive); (c) supervision status (the proportion of RSOs under active community supervision through parole or probation); (d) special status (the number and proportion of RSOs officially listed as missing, absconded, homeless, or transient); and (e) RSO distribution across assigned risk or management levels.

Method

In July 2010, the authors developed a list of contacts at agencies that were statutorily charged with administration of state sex offender registries. Officials on this list were then contacted via email and provided with a link to an online survey, developed and administered using Survey Gizmo, a commercial tool designed for online data collection.

The study's main areas of inquiry, along with the corresponding data elements contained within the survey, are summarized in Table 1. In addition to the questionnaire items, respondents were given space to provide narrative comments or clarification in addition to the information submitted.

Following the first wave of responses, the research team conducted a series of follow-up emails and phone calls to encourage survey completion, clarify submitted responses, and gather missing data elements. In some cases, registry officials responded to survey items directly via email, and the data from these responses were manually entered into the online survey tool by researchers. In other instances, registry officials provided official reports containing data that responded to survey items, and these data were also manually entered into the online tool. Because some respondents did not answer all questions, the sample size for each question or domain varied.

By the conclusion of data collection in November 2010, survey or email responses had been received from 42 of the 50 states and from 2 U.S. territories. Of the 8 remaining states, 2 (Delaware and South Carolina) explicitly declined to participate and the remainder did not provide direct survey responses. In some of these instances, however, registry agencies provided links to official public reports that provided data responsive to some of the data elements. An evaluation of the nonresponding states and consideration

Focus area	Corresponding data elements
Numbers and proportions of RSOs whose information is contained on public Internet registries	 As of today, how many individuals in total are currently in your state registry system? As of today, how many registrants have their information available on the public Internet registry?
Distribution of RSOs living in the community and those with other living status (e.g., incarcerated, deported, inactive, out of state, deceased)	 Of the total number of RSOs in your state, please indicate how many fall into each of these categories (total number should approximate the figure given in response to question No. 1)
Numbers and proportions of RSOs designated as missing or absconded	 Active RSOs residing in your state in a community setting (excluding those officially listed as missing or absconded) Incarcerated in jail, prison, or other institution Officially missing or absconded (defined as unsuccessful attempts to locate) Inactive due to completion of registration period Officially designated as "out of state" (excluding deported) Officially designated as deported Deceased
RSO supervision status (parole and probation)	 4. Among those noted as active cases residing within the community, how many are:
	Under active probation or parole supervision Not under official supervision Unknown supervision status
RSOs officially designated as homeless or transient	 Does your state track or count homeless or transient sex offenders? If you responded "yes" to the question above, approximately how many RSOs are designated as homeless and/or transient today?
	(continued)

Table 1. Focus Areas and Data Elements.

Table I. (continued)

Focus area	Corresponding data elements
RSO classification methods and, where applicable, the distribution of RSOs across classification categories	 7. Which of the following best describes your state's system for classifying registrants? (check one) _Single-tier system in which all registrants are subject to similar requirements _Single-tier system with separate designation for particularly high-risk individuals (e.g., "sexual predator" designation) _Multitier system with two or more categories of registrants 8. Which of the following does your state use in establishing registrant tiers (check all that apply): _Offense of conviction _Number of offenses _Standardized actuarial risk assessment _Other risk assessment processes _Other criteria (please specify) 9. If your state has more than one registration category, please provide a breakdown of the number within each category (<i>Example:Tier II = 3,400; Tier III = 2,500;Tier III = 7,600</i>)

Note: RSOs = registered sex offenders.

of any potential sources of response bias is presented in the "Discussion" section later in this article.

Results

Prior to presenting our results, it should be noted that many states reported inactive, deceased, and deported cases in their total RSO figures in response to our first question asking for the total number of RSOs contained within their registry systems. A review of the data, however, suggested that such cases were not typically included in the NCMEC-reported figures and therefore were only marginally germane to our analysis. Accordingly, our categories

	RSO co	ounts		Percent Inter	age on net
Jurisdiction	Reported total	Adjusted total	Internet RSOs	Reported total	Adjusted total
Total	718,823	651,329	514,756	71.6	79.0
Alaska	2,709	1,829	1,829	67.5	100.0
Arkansas	10,128	9,660	4,540	44.8	47.0
California	121,779	121,389	90,704	74.5	74.7
Colorado	13,719	13,719	7,299	53.2	53.2
Connecticut	10,982	5,304	5,157	47.0	97.2
District of Columbia	948	948	891	94.0	94.0
Florida	54,808	54,558	54,408	99.3	99.7
Georgia	18,920	18,920	18,920	100.0	100.0
Guam	625	625	530	84.8	84.8
Hawaii	3,266	3,118	2,883	88.3	92.5
Idaho	3,455	3,455	3,455	100.0	100.0
Illinois	26,662	26,662	24,420	91.6	91.6
lowa	9,683	5,010	5,010	51.7	100.0
Kansas	9,042	5,673	5,673	62.7	100.0
Kentucky	8,130	8,060	8,060	99.1	100.0
Louisiana	9,630	9,630	9,630	100.0	100.0
Maine	6,006	3,000	3,000	50.0	100.0
Massachusetts	10,901	10,901	2,735	25.1	25.I
Michigan	50,194	46,533	44,017	87.7	94.6
Minnesota	23,881	15,494	741	3.1	4.8
Mississippi	6,328	6,328	6,328	100.0	100.0
Missouri	11,224	11,224	11,179	99.6	99.6
Montana	1,971	1,971	1,971	100.0	100.0
Nebraska	3,192	3,192	3,192	100.0	100.0
Nevada	14,943	6,473	2,419	16.2	37.4
New Jersey	15,476	13,617	3,261	21.1	23.9
New Mexico	2,654	2,654	2,532	95.4	95.4
New York	31,133	31,133	18,738	60.2	60.2
North Dakota	2,291	1,161	398	17.4	34.3
Ohio	29,627	19,572	18,104	61.1	92.5
Oklahoma	12,217	6,718	6,718	55.0	100.0

Table 2.	RSOs or	Public	Internet	Registries	(n = 4	4 Jurisdictions	^a).

(continued)

	RSO c	ounts		Percent Inter	Percentage on Internet	
Jurisdiction	Reported Adjusted total total		Internet RSOs	Reported total	Adjusted total	
Oregon	24,000	17,140	679	2.8	4.0	
Pennsylvania	10,509	10,509	10,460	99.5	99.5	
Rhode Island	1,541	1,541	367	23.8	23.8	
South Dakota	2,687	2,687	2,687	100.0	100.0	
Tennessee	14,006	13,992	13,992	99.9	100.0	
Texas	63,954	63,954	62,518	97.8	97.8	
Utah	6,666	6,666	6,666	100.0	100.0	
Vermont	2,450	2,386	1,067	43.6	44.7	
Virgin Islands	77	77	77	100.0	100.0	
Virginia	16,992	16,965	16,965	99.8	100.0	
Washington	20,490	20,490	6,111	29.8	29.8	
West Virginia	4,375	3,487	3,293	75.3	94.4	
Wisconsin	21,468	21,468	19,696	91.7	91.7	
Wyoming	3,084	1,436	1,436	46.6	100.0	

Table 2. (continued)

Note: RSO = registered sex offender.

^aStates not included: Alabama, Arizona, Delaware, Indiana, Maryland, New Hampshire, South Carolina, and Washington.

were adjusted as necessary to approximate the NCMEC-reported counts as of December 2010 and allow a direct assessment of the categories behind the NCMEC numbers. As indicated later in Table 3, with the exception of Louisiana, where the reported total number of active registrants significantly exceeded the NCMEC-reported figure, the "adjusted totals" presented here brought each state's totals for this portion of the analysis into close proximity of the NCMEC-reported figures, providing a reasonable foundation for comparison.

RSOs on Public Internet Registries

SORNA guidelines require that covered jurisdictions provide public Internet access to a range of information related to RSOs who live, work, or go to school within that jurisdiction. Although states are permitted to exclude

	Active	Missing	Incarcerated	Out of state	Deported	Deceased	Other	Adjusted total	NCMEC total ^a
Total (reporting states) Percentage of total	403,124 64.8	28,549 4.6	4,975 8.5	55,204 8.9	18,570 3.0	1,091 0.2	933 0.1	622,446	630,141
Alaska	1,829							I ,829	I,838
Arkansas	6,197	350	1,368	1,675	70			9,660	10,385
California	50,605	15,496	25,882	20,124	9,282			121,389	122,521
Colorado	13,719							13,719	13,899
Connecticut	3,910	554	840					5,304	5,219
District Of Columbia	948							948	941
Florida	22,680	796	16,808	12,306	1,968			54,558	55,317
Georgia	15,465	333	3,346					19,144	19,112
Hawaii	1,672	398	639	409				3,118	3,266
Idaho	3,296	159						3,455	3,547
Illinois	13,475	I,496	6,036					21,007	21,135
lowa	3,805	61	169		142		234	4,933	5,159
Kansas	4,564	299	810					5,673	5,772
Kentucky	5,009	219	807	1,894	50		8	8,060	8,232
Louisiana	9,630							9,630	7,955
Maine	2,937	63						3,000	2,948
Michigan	27,748	966	12,477	5,262			48	46,533	46,635
Minnesota	11,180	54	4,260					15,494	15,883
Mississippi	4,031	160	962	1,175				6,328	6,306
Missouri	4,576	86	2,003	3,468		1,091		11,224	12,169
Montana	1,971					I		1,971	2,027

(continued)

Table 3. RSOs Distribution of Active, Missing, and Noncommunity Status.

	Active	Missing	Incarcerated	Out of state	Deported	Deceased	Other	Adjusted total	NCMEC total ^a
Nebraska	3,192							3,192	3,285
Nevada	6,473							6,473	6,512
New Jersey	12,120	443	1,054					13,617	13,561
New Mexico	2,654							2,654	2,655
New York	21,027		3,407	3,671	2,458		570	31,133	31,429
North Carolina	11,169		1,350					12,519	13,327
North Dakota	I,I46	15						1,161	1,163
Ohio	18,643	929						19,572	19,124
Oklahoma	5,818	006						6,718	6,713
Oregon	17,140							17,140	17,191
Pennsylvania	8,598	259	116,1					10,768	10,509
South Dakota	1,882		805					2,687	2,712
Tennessee	9,752	469	I,822	1,876	73			13,992	14,284
Texas	40,609	1,417	11,487	2,838	4,439			60,790	63,694
Utah	4,342		2,324					6,666	6,703
Vermont	I,450	20	560	352	4			2,386	2,448
Virginia	9,669		7,296					16,965	17,300
West Virginia	3,373	8		96			I	3,487	3,496
Wisconsin	13,089	2,437	5,942					21,468	21,636
Wyoming	1,346	90						I,436	I,462
Guam	317	22	87	58	84			568	595
Virgin Islands	68	80	_	0	0	I		77	76

Table 3. (conitnued)

certain categories of RSOs from such disclosure (e.g., adjudicated juveniles, RSOs classified with AWA "Tier I" designations), SORNA requires that information on most RSOs be made publicly available in this fashion.

Data regarding the proportion of registrants on public Internet registries were provided by 41 states, the District of Columbia, and 2 U.S. territories. These jurisdictions reported a total of 514,756 RSOs whose information was publicly available. Table 2 presents the numbers and percentages of RSOs subject to Internet disclosure in each state on the basis of two denominators: (a) the total number of RSOs reported in response to the survey's first item (71.6%) and (b) the previously described "adjusted total" that excludes cases reported as inactive or otherwise not included in the NCMEC counts (79%). Notably, rates of Internet disclosure varied across jurisdictions, with 19 states (43% of those reporting) including more than 90% of their registrants on the public Internet registries, 31 (70%) including more than half, and 6 (14%) including fewer than 25% of their registrants on the public registries.

Community-Active, Incarcerated, and Out-of-State

As referenced in the literature review, aggregate RSO counts reported by NCMEC may include registrants who are incarcerated, deported, or residing in another state. The December 2010 NCMEC survey indicated that 39 of 57 jurisdictions included RSOs in one or more of these categories within their counts. As a means of disaggregating these categories, we asked states to provide breakdowns of the numbers of RSOs who were (a) actively residing in the community (excluding those officially listed as missing or absconded); (b) incarcerated in jail, prison, or other institution; (c) officially missing or absconded (defined as unsuccessful attempts to locate); (d) inactive due to completion of registration period; (e) officially designated as living out of state (excluding deported); (f) officially designated as deported; (g) deceased; and (h) other status (which included an open-ended box for specification).

Table 3 presents data describing the distribution of 622,446 RSOs within 43 jurisdictions. The December 2010 NCMEC-reported totals for these jurisdictions are included in the table for comparison purposes, indicating that our presented results cover approximately 87% (630,141 of 728,435 RSOs) counted by NCMEC for that period.

In the aggregate, the data in Table 3 suggest that approximately 64.8% of RSOs in the included states are listed as actively residing in the community, and an additional 4.6% were reported as active cases that are missing or absconded—a total of approximately 69.4% between these two categories. The



Figure 1. Registered sex offender distribution for five largest states.

remaining 30.6% of cases were listed as incarcerated (18.5%), residing out of state (8.9%), deported (3%), deceased, or an "other status" category (0.3%).

As noted, five states—California, Texas, Florida, New York, and Michigan—comprise approximately 44% of the total U.S. RSO population as reported by NCMEC. Figure 1 provides a visual categorical breakdown of RSO status for these five states.

Missing and Absconded RSOs

As part of their RSO breakdowns noted in Table 3, jurisdictions were asked to identify the number of RSOs designated as officially missing or absconded, as defined by unsuccessful attempts to locate that individual. A total of 27 states and 2 U.S. territories (whose total counts accounted for 68% of the nation's RSOs as reported by NCMEC as of December 2010) provided data in response to this item. These jurisdictions reported a total of 28,549 missing or absconded RSOs, accounting for approximately 5.8% of the total RSOs on those jurisdictions' registries, and approximately 8.8% of RSOs listed as active within the community.

As highlighted in Table 4, however, results suggest significant interjurisdictional variation in rates of missing and absconded RSOs, with nearly three quarters of reporting jurisdictions (20 of 29) indicating that fewer than 5% of their RSOs were listed as officially missing or absconded, 3 jurisdictions reporting rates of 5% to less than 10%, and 6 jurisdictions reporting rates of

	Active	Missing	Active + missing	% missing (of active)	Adjusted total	% missing (of total)
Total	296,246	28,549	324,795	8.8	494,920	5.77
Arkansas	4,964	350	5,314	6.6	9,660	3.6
California	50,605	15,496	66,101	23.4	121,389	12.8
Connecticut	3,910	554	4,464	12.4	5,304	10.4
Florida	22,680	796	23,476	3.4	54,558	1.5
Georgia	15,465	333	15,798	2.1	19,144	1.7
Guam	317	22	339	6.5	568	3.9
Hawaii	1,672	398	2,070	19.2	3,118	12.8
Idaho	3,296	159	3,455	4.6	3,455	4.6
Illinois	13,475	1,496	14,971	10.0	21,007	7.1
lowa	3,805	61	3,866	1.6	4,933	1.2
Kansas	4,564	299	4,863	6.1	5,673	5.3
Kentucky	5,009	219	5,228	4.2	8,060	2.7
Maine	2,937	63	3,000	2.1	3,000	2.1
Michigan	27,748	998	28,746	3.5	46,533	2.1
Minnesota	11,180	54	11,234	0.5	15,494	0.3
Mississippi	4,03 I	160	4,191	3.8	6,328	2.5
Missouri	4,576	86	4,662	1.8	11,224	0.8
New Jersey	12,120	443	12,563	3.5	13,617	3.3
North Dakota	1,146	15	1,161	1.3	1,161	1.3
Ohio	18,643	929	19,572	4.7	19,572	4.7
Oklahoma	5,818	900	6,718	13.4	6,718	13.4
Pennsylvania	8,598	259	8,857	2.9	10,768	2.4
Tennessee	9,752	469	10,221	4.6	13,992	3.4
Texas	40,609	1,417	42,026	3.4	60,790	2.3
Vermont	1,450	20	I,470	1.4	2,386	0.8
Virgin Islands	68	8	76	10.5	77	10.4
West Virginia	3,373	18	3,391	0.5	3,487	0.5
Wisconsin	13,089	2,437	15,526	15.7	21,468	11.4
Wyoming	1,346	90	1,436	6.3	1,436	6.3

Table 4. Cases Reported as Missing/Absconded.

between 10% and 14%. With a median rate of 2.7%, the overall percentage was skewed toward a handful of states with comparatively large RSO counts; approximately 54% of the total RSOs reported as missing/absconded came from California, and an additional 20% of the total from three other states (Wisconsin, Texas, and Illinois). Follow-up inquiries to states reporting high

		Per	centage distribution	
State	nª	Under supervision	Not under supervision	Unknown status
Total	92,927	34.8	64.7	0.5
Florida	22,680	27.4	71.6	1.0
Hawaii	1,672	56.7	43.3	0.0
Maine	3,000	33.2	59.8	7.0
Minnesota	11,180	40.9	59.1	0.0
Missouri	4,576	53.1	46.9	0.0
Oregon	17,140	31.7	68.3	0.0
Utah	4,342	38.2	61.8	0.0
Vermont	1,725	45.2	54.8	0.0
Virginia	9,696	34.0	66.0	0.0
West Virginia	996	73.5	26.5	0.0
Wisconsin	15,526	33.3	66.7	0.0
Guam	317	25.9	74.1	0.0
Virgin Islands	77	13.0	87.0	0.0

Table 5. RSO Supervision Status.

Note: RSO = registered sex offender.

^aActive registrants living in the community.

rates of missing or absconded RSOs revealed that the cited figures for these states typically included *all* RSOs flagged as delinquent or technically non-compliant with registration reporting requirements, and did not distinguish those confirmed to have truly absconded (as requested in the survey). The implications of this and related definitional issues are explored in the "Discussion" section.

Community Supervision Status

A limited number of jurisdictions provided data concerning the proportion of their active cases under community supervision (i.e., parole or probation). Although 20 states reported such data, many listed a majority of their cases as "supervision status unknown" and were therefore not included in the analysis. Figures for the limited number of jurisdictions that presented relatively complete data in this regard are presented in Table 5. These data suggest that approximately one third of RSOs who are actively residing in the community in these states are under some form of community supervision.

	Homeless/transient	Active registrants	%
Total	5,620	187,134	3.0
California	3,786	66,101	5.7
Connecticut	22	4,464	0.5
Florida	631	23,476ª	2.7
Guam	6	625	1.0
Hawaii	95	2,070	4.6
lowa	19	3,866	0.5
Kansas	13	4,863	0.3
Maine	145	3,000	4.8
Minnesota	183	11,234	1.6
Missouri	72	4,662	1.5
Montana	87	1,971	4.4
Nebraska	39	3,192	1.2
New York	149	21,027	0.7
Ohio	332	19,572	1.7
Oklahoma	12	6,718	0.2
Pennsylvania	20	8,857	0.2
Wyoming	9	1,436	0.6

Table 6. RSOs W	ith Official Homeless	s or Transient Designations	<u>ن</u> .
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Note: RSO = registered sex offender.

^aFlorida total = active plus missing.

Homelessness and Transience

Of the jurisdictions surveyed, 31 reported that they specifically tracked homeless or transient RSOs. Of these, however, only 17 provided a figure representing the number of RSOs with such designations. In most of these states, RSOs with official homeless or transient designations represented less than 2% of the total number of active community cases. This proportion varied substantially across states, with California and Florida having the highest numbers of reported transient and homeless cases. These data are presented in Table 6.

RSO Classification Levels

Many of SORNA's requirements, including those related to registration duration and frequency of registration updates, are benchmarked to a uniform means of classifying offenders by their offenses of conviction. Indeed, one of SORNA's stated goals was to instill a measure of standardization to what is viewed as a confusing array of state approaches to offender classification. Our survey results affirm that jurisdictions vary in the extent and types of RSO categories and in the methods, criteria, and terminology used in assigning them.

Of the 44 jurisdictions reporting data for this portion of the analysis, 6 (14%) indicated that they operated single-tier systems that subjected all RSOs to similar requirements, 8 (18%) indicated that they operated modified single-tier systems with a special category for high-risk sexual predators, and 30 (68%) operated systems that set forth requirements using two or more categories of RSOs. Among those making distinctions among RSOs, 70% of jurisdictions reported using the type of offense as a criterion, 45% indicated that they used the number of offenses, and 32% reported using some form of risk assessment.

The variety of methods, criteria, and terminology states use to distinguish among RSOs complicates the development of a cohesive aggregate national picture. These data, however, can be contextualized by examining state-bystate distributions arrayed by the general methods used to categorize RSOs. Table 7 presents classification data for 24 jurisdictions for which such data were relevant and available.¹

The data presented in the table highlight some discernible patterns. Among states indicating that they used some form of risk assessment, the cases tend to be concentrated among relatively lower or moderate risk categories. Conversely, states that distinguish among RSOs exclusively or primarily based on offense of conviction and numbers of prior offenses tend to place a majority of their RSOs into high-risk tiers. For states that use empirically derived risk assessment, "sexual predator" designations comprise between 1% and 4% of their RSOs. It should be noted that two states included in the table—Ohio and Oklahoma—were in the midst of introducing new RSO tiering systems at the time of the analysis, and these data only include a subset of their RSO populations.

Discussion

This exploratory study aimed to expand the base of knowledge concerning the scope and characteristics of U.S. sex offender registries. Recognizing that the registries are dynamic entities that change daily, we sought to provide a snapshot in time that might add needed context to public policy discussions surrounding the future of SORN systems in the United States.

System/ jurisdiction	RSO clas	sification cat	egories and	percentage w	vithin each
Multitier—Risk as	sessment				
Arkansas	Level I	Level II	Level III	Level IV	
n = 8,543	10.4	36.5	49.5	3.6	
Massachusetts	Level I	Level II	Level III		
n = 10,901	19.9	55.0	25.1		
Minnesota	Level I	Level II	Level III	No risk	
				assigned	
n = 17,673	20.2	9.0	5.4	65.4	
Montana	Unclassified or Tier I	Tier II	Tier III		
n = 1,931	82.4	12.6	5.0		
New York	Tier I	Tier II	Tier III	Tier P	
n = 31,133	37.5	35.5	24.8	2.3	
North Dakota	Low risk	Moderate	High risk		
n = 1563	47.0	30.3	22.6		
Rhode Island	Tier I	Tier II	Tier III		
n = 1,541	78	14	8		
Virginia	Sexual offenders	Sexually offen	violent Iders		
n = 16,992	15	85			
Washington	Unclassified	Level I	Level II	Level III	Kidnapping
n = 20,490	11.2	64.2	15.9	7.9	0.7
Multitier—Offens	e based				
Guam	Tier I	Tier II	Tier III		
n = 625	46	15	39		
Hawaii	Tier I	Tier II	Tier III	Repeat offender	Pending
n = 3,266	7	6	53	22	11
lowa	Tier I	Tier II	Tier III		
n = 5,074	18.1	29.0	52.9		
Kentucky	10 year	20 year	Lifetime		
n = 8,130	27.9	10.1	62.0		
Louisiana	Tier I	Tier 2	Tier 3		
n = 7,703	55.1	18.4	26.5		
Maine	10 year	Lifetime			
n = 3,000	22.0	78.0			

Table 7. RSO Classification Breakdowns by State.

(continued)

System/ jurisdiction	RSO classification categories and percentage within each				
Nebraska	15 year	25 year	Lifetime	Pending	
n = 3,192	20.7	25.1	51.8	2.4	
Tennessee	Sexual	Violent			
	offenders	sexual			
		offenders			
n = 13,811	41.0	59.0			
Texas	Low risk	Medium risk	High risk	SVP	Unclassified
n = 63,538	20.8	37.2	11.8	0.2	29.9
West Virginia	10 year	Lifetime			
n = 3,373	2	98			
Wyoming	Tier I Tier II		Under review		
		and III			
n = 1,436	25	73	2		
States with predat	tor designation	าร			
Colorado	Predator	r status			
n = 13,719	1.2				
Georgia	Predato	r status			
n = 19,095	0.9				
Idaho	Predator status				
n = 3,455	1.4				
Pennsylvania	Predator status				
n = 10,509	3.9				
Transitional jurisd	ictions				
Ohio	Tier I	Tier II	Tier III		
n = 14,746	17	33	50		
Oklahoma	Level I	Level II	Level III	Aggravated	Habitual
n = 6,718	12.5	4.5	40.I	39.9	3.1

Table 7. (continued)

Note: RSO = registered sex offender, Sexually Violent Predator = SVP.

Consistent with this study's exploratory nature, the results presented here should be interpreted with certain caveats. First, although significant efforts were made to present a representative national portrait of SORN systems, the presented data are limited by exclusion of some states from certain portions of our results. The findings included data from a subset of jurisdictions that accounted for approximately 87% of the NCMEC-reported RSO counts, and nonincluded jurisdictions were fairly evenly distributed geographically. It

should be noted, however, that many of the aggregate national measures presented here were driven by a small number of states with particularly high RSO counts, such as California, Texas, Florida, Michigan, and New York. Conversely, those states that are missing from our results tended to be those operating smaller SORN systems that may differ from larger systems in certain operational and population-based dimensions. Considering these factors, caution should be exercised in extrapolating these findings to derive definitive national estimates.

Second, it remains apparent that the study of sex offender registries and individuals contained within them must account for definitional ambiguity. As previously described, this problem emerged as particularly confounding in our assessment of the numbers of missing or absconded sex offenders, which in some states included all of those who were in technical noncompliance, whereas others used a more precise definition. The issue was also apparent in the range of designations used to classify RSOs and in the varying definitions of commonly applied terms. Beyond their implications for research endeavors, definitional discrepancies should also be of concern to policy makers, who need accurate data with common measures to understand social problems and craft relevant solutions.

What Have We Learned About RSOs on Public Internet Registries?

Our findings suggest considerable variation regarding the proportion of RSOs contained on public registries. The majority of states included in the study allow public accessibility to information regarding more than 90% of their registrants—a level of disclosure that is generally consistent with emerging federal mandates. On the other side of the coin, many states have chosen a more selective approach, opting to release information on only a limited subset of their registrants who are believed to present an ongoing threat to the community.

In the realm of public policy, these findings prompt consideration of the respective roles and functions of sex offender registration and community notification. Although often conflated, these two sets of requirements actually represent discrete functions with distinct operational and public safety implications. Certainly, law enforcement access to information on RSOs across the risk spectrum may serve as a viable tool for investigation, monitoring, and crime prevention efforts. The rationale for citizen access to such information, however, remains a matter of debate. There has been little

empirical support for the notion that citizen access to sex offender information leads to direct public safety benefits. Notably, research detecting positive effects has been limited to states like Minnesota that use empirically derived risk assessment to target high-risk offenders (Duwe & Donnay, 2008; Letourneau et al., 2010; Sandler et al., 2008; Vasquez et al., 2008; Zgoba, Witt, et al., 2009). In fact, an overly inclusive public registry may produce an overload of information that makes it difficult for concerned members of the public to distinguish truly dangerous RSOs from those who present less public safety risk (Harris et al., 2010; Levenson & D'Amora, 2007). Moreover, some research has suggested that public notification may even exacerbate risk factors for many RSOs through its collateral effects on the individual's capacity for community integration, employment, housing, and development of requisite social supports (Levenson & Cotter, 2005; Levenson, D'Amora, et al., 2007; Mercado et al., 2008; Sample & Streveler, 2003; Tewksbury, 2004, 2005; Tewksbury & Lees, 2006; Zevitz & Farkas, 2000). Research also suggests that classifying sex offenders by their statute of conviction is less effective than empirically derived risk assessments in identifying potential recidivists (Freeman & Sandler, 2010).

What Have We Learned About RSO Community Residential Status?

Our second notable set of findings relates to the residential status of RSOs, particularly in the context of the commonly cited nationwide figures produced by NCMEC. Our analysis suggests that approximately two thirds of the RSOs reported by NCMEC are actually "active" registrants living among us, with the remainder either incarcerated, otherwise confined, deported, deceased, or living in another state. These latter categories comprise the largest proportions in those states with the highest overall RSO counts—states such as California, Texas, Florida, Michigan, and New York.

The presence of out-of-state registrants in official NCMEC data is particularly confounding, because it suggests that they are counted more than once (i.e., listed on multiple state registries), inflating the total count both nationally and for individual states. Overall, our data indicate that more than 55,000 registrants are designated as living out of state, suggesting that as many as 8% of the nation's RSOs could be counted on multiple registries. These factors appear to call for caution in the interpretation of the NCMEC figures for purposes of policy decisions, particularly those involving the allocation of resources.

What Have We Learned About Missing and Absconded RSOs?

A third important finding of this study concerns the number of RSOs officially designated by states as missing or absconded. States reported 28,678 cases with such designations, with over half of this figure derived from one state (California) and nearly three quarters from just four states (California, Wisconsin, Texas, and Illinois). Rates of officially missing and absconded RSOs varied considerably across states, ranging from less than 1% to just over 13%, with a median rate of 2.7%.

These findings carry several noteworthy implications. First, they suggest that the ubiquitous statistic that more than 100,000 sex offenders are missing across the United States may overstate the problem and obscure important interjurisdictional differences of importance to policy makers (Levenson & Harris, 2011). Clearly, a more complete understanding of the geographic distribution of noncompliance and missing or absconded sex offenders emerges as a critical need for informing national SORN policy.

Next, our investigation into this matter also illuminates the definitional challenges inherent in evaluating and discussing the problem of "missing" sex offenders. Follow-up inquiries with California and Wisconsin-the states with the two highest reported figures-revealed that the data from these states equated any form of registry noncompliance with missing/ absconder status. In contrast, data from other states suggest that using a more refined definition of missing/absconded (defined as unsuccessful attempts to locate the offender) produced more moderate estimates. These are important matters, given that noncompliance may encompass a spectrum of circumstances, ranging from RSO carelessness to deliberate evasion of authorities, and considering that there is little support for the notion that noncompliance with registration requirements is associated with increased risk of sexual reoffending (Duwe & Donnay, 2010; Levenson et al., 2010). Moreover, definitional disparities, along with the skewed distribution of those designated in our sample as officially missing or absconded, caution against extrapolating figures based on a limited sample of states to derive a national estimate-a methodological fallacy that is at the root of the commonly cited "100,000 missing" statistic (Levenson & Harris, 2011).

For purposes of national SORN policy, the varied responses to survey items reinforce the need for greater uniformity in how certain terms and designations are communicated and interpreted. Particularly given AWA's ostensible purpose to achieve greater standardization across the nation's sex offender registries, federal policy should aim to clarify these designations rather than obscure them. It should also be clear that additional critical and methodologically sound examination of the extent and distribution of the noncompliant, missing, and absconded sex offenders is warranted.

What Have We Learned About Homeless and Transient RSOs?

Although nearly three quarters of jurisdictions responding to our survey indicated that they had some method for keeping track of homeless or transient sex offenders, barely half of those were able to provide numbers in this regard. This finding suggests that although the issue appears to be on the general radar of practitioners and policy makers, systems for tracking and reporting on the phenomenon remain in a nascent state of development. In those states for which data were provided, a total of 3% of community-active registrants are designated as homeless or transient, with wide variation between states. Although California emerges as the state with the highest proportion in this category (5.7%), homelessness and transience is not limited to states with high levels of urban density—States with highly disbursed populations such as Maine and Montana were among those with the highest reported proportions of homeless/transient RSOs.

In recent years, concerns over homeless and transient sex offenders have increasingly attracted the attention of both practitioners and policy makers. At the practitioner level, law enforcement and community corrections agencies must address a range of operational challenges associated with tracking and monitoring RSOs with no stable address. In the policy domain, the problems of homelessness and transience intersect with a wide range of prevailing sex offender management strategies, including SORN, residence restrictions, and Global Positioning System (GPS) monitoring. For instance, legislative concern that RSOs are using declarations of homelessness as a means of avoiding registration has led many states to pass legislation expanding reporting requirements for RSOs with no stable address (Scibelli & Levy, 2011). Meanwhile, residential restrictions on where RSOs are permitted to live diminish the range of available housing options (Bruell, Swatt, & Sample, 2008; Chajewski & Mercado, 2009; Red Bird, 2009; Zandbergen & Hart, 2006; Zgoba, Levenson, & McKee, 2009), potentially increasing the numbers of homeless RSOs. In fact, data suggest that the dramatic increase in homeless RSOs in California may be attributed to statewide and local residence restrictions banning RSOs from living within 2,000 feet of a school or park, rendering a vast majority of housing in urban areas off-limits to them (California Sex Offender Management Board, 2010).

Despite its growing relevance for policy and practice, reliable data describing the nature and magnitude of homeless and transient RSOs has remained limited, with policy decisions often driven by anecdotal case examples. Considering this, the matter beckons for expanded research attention to better understand the characteristics of homeless/transient RSOs and the dynamics between transience and sex offender management policy and practice.

What Have We Learned About RSO Classification Levels?

One of the principal aims of the Adam Walsh Act was to introduce nationwide standardization to the taxonomy for categorizing sex offenders. This classification scheme, in turn, has been linked in the AWA guidelines to a set of minimum standards governing duration of registration, frequency of required registration updates, and mandated public Internet notification. Our data suggest that, at least as of late 2010, such standardization has remained elusive. States use a range of classification methods, with some using multiple tier (or risk) levels, some classifying predators or habitual offenders, some identifying kidnappers or abductors, and some even including nonsexual offenses involving children. Moreover, as noted earlier, many states classify a significant portion of their RSOs as lower or moderate risk and do not include their information on public registries.

Furthermore, our data illustrate a wide distribution of RSOs across levels. Clearly, some jurisdictions have calibrated their registration and notification systems to selectively identify those presenting the greatest threat to public safety, while others have opted for a less refined approach. Although such variation appears to be generally linked to classification methods and criteria (i.e., "risk-based" vs. "offense-based" systems), differing distributions across tiers or levels were also observed between jurisdictions using similar classification schema. These findings suggest that RSO classification is an inherently idiosyncratic process, influenced by a range of organizational, operational, legal, intergovernmental, and political considerations within each jurisdiction. This complexity, in turn, presents particular challenges to the implementation of federal AWA guidelines and may suggest a need for federal lawmakers to reevaluate their expectations in this regard.

An effective RSO classification system is one that provides law enforcement and the general public with requisite levels of information to promote public safety and efficiently inform allocation of public resources. Given the observed variation across jurisdictions, it is likely that some states are achieving these goals more effectively than others. It is, however, far from a foregone conclusion that the most effective RSO tiering systems are those that comport with the AWA requirements. In fact, AWA tiers have shown poor ability to predict recidivism (Freeman & Sandler, 2010). Some scholars have cautioned that offense-based categorization will overestimate risk for many offenders while underestimating risk for those who plea-bargain to lesser charges (Levenson, 2009). Other research has confirmed a "net widening" effect of the AWA-mandated classification criteria, which places a majority of registrants into the highest tier, contravening evidence suggesting that the highest risk of sexual reoffense is concentrated among a much smaller group of offenders (Harris et al., 2010).

Clearly, the rationale for standardized classification procedures is compelling: better communication across law enforcement agencies, more consistency in the information provided to the general public, and better articulated expectations for minimum requirements. Yet one may ask whether the pursuit of standardization and convenience has occurred at the expense of effective policy. Future federal policy should consider the sources of interstate variation and encourage systematic evaluation of the relative efficiency and public safety impacts of varying approaches.

General Implications for Research and Policy

The preceding discussion delineates a range of specific considerations for policy makers concerning public disclosure, RSO residential status, missing or absconded RSOs, homelessness and transience, and risk classification. On a broader level, however, the current study raises some important general questions for the consideration of researchers and policy makers. In particular, the significant interjurisdictional variability observed across the study's domains suggests a strong need for further systematic analysis. For example, the wide variation in the counts and proportions of RSOs with designations of homeless, transient, missing, or absconded raises questions of whether this variation may be attributable to policy choices, endemic differences in the RSO population, enforcement mechanisms, or to structural or administrative characteristics of the registries themselves. Disentangling the relative effects of these factors should be an important focus for future research and a critical concern for policy makers.

Concluding Comments

In a sense, the definitional issues and methodological barriers encountered in this study reflect some of the fallacies that have permeated discourse surrounding contemporary sex offender management policies. While our study affirms the need for improvements and standardization across the nation's registry systems, it also suggests that our pursuit of standardization has occurred amid a significant information vacuum in which many questions regarding both the RSO population and the reliability of registry data remain unanswered.

Policy scholar Deborah Stone states that "numbers can create the illusion that a very complex and ambiguous phenomenon is simple, countable, and precisely defined" (Stone, 2002, p.176). Along these lines, policy dialogue over SORN reform has often been framed by "sound-bite" statistics—more than 700,000 RSOs living in our communities and more than 100,000 missing—with little critical attention paid to the source of these numbers or the complexities behind them. In such an environment, imprecision in our understanding may too easily translate into misguided problem definitions and, in turn, ineffective public policies.

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Note

 This table is limited to those jurisdictions that were able to provide relevant and complete data. Beyond these jurisdictions, several states responding to the survey indicated that similar requirements were applied to all registered sex offenders and therefore did not provide categorical breakdowns.

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Author Biographies

Andrew J. Harris is assistant professor in the Department of Criminal Justice and Criminology at the University of Massachusetts Lowell. His research focuses on issues concerning mental illness and the criminal justice system and on the development and implementation of state and federal sex offender policy.

Jill S. Levenson is associate professor of psychology and human services at Lynn University in Boca Raton, FL. Her research analyzes the impact and effectiveness of social policies designed to reduce sexual violence. She also studies the treatment of sex offenders and their families.

Alissa R. Ackerman is assistant professor in the Social Work Program at the University of Washington, Tacoma. Her research focuses on sex offender management and policy issues.