

# **FISCAL FOCUS**

## **Strength and Composition of State and Local Law Enforcement Officers**

**Prepared by  
Paul B.A. Holland, Senior Fiscal Analyst  
Kent Dell, Fiscal Analyst**

**April 2016**



**Mary Ann Cleary, Director**

**HOUSE FISCAL AGENCY  
GOVERNING COMMITTEE**

**Al Pscholka  
Kevin Cotter  
Aric Nesbitt**

**Harvey Santana  
Tim Greimel  
Sam Singh**

**MICHIGAN HOUSE OF REPRESENTATIVES  
APPROPRIATIONS COMMITTEE**

**Al Pscholka, Chair  
Jon Bumstead, Vice Chair  
Chris Afendoulis  
John Bizon  
Edward Canfield  
Laura Cox  
Daniela Garcia  
Larry Inman  
Nancy Jenkins  
Tim Kelly  
Michael McCready  
Aaron Miller  
Paul Muxlow  
Dave Pagel  
Earl Poleski**

**Phil Potvin  
Rob VerHeulen  
Roger Victory  
Harvey Santana, Minority Vice Chair  
Brian Banks  
Fred Durhal  
Pam Faris  
Jon Hoadley  
Jeff Irwin  
Kristy Pagan  
Sarah Roberts  
Sam Singh  
Henry Yanez  
Adam Zemke**

STATE OF MICHIGAN  
HOUSE OF REPRESENTATIVES



HOUSE FISCAL AGENCY

**MARY ANN CLEARY, DIRECTOR**

P.O. BOX 30014 ■ LANSING, MICHIGAN 48909-7514  
PHONE: (517) 373-8080 ■ FAX: (517) 373-5874  
[www.house.mi.gov/hfa](http://www.house.mi.gov/hfa)

**GOVERNING COMMITTEE**

AL PSCHOLKA, CHAIR  
KEVIN COTTER, VC  
ARIC NESBITT

HARVEY SANTANA, MVC  
TIM GREIMEL  
SAM SINGH

April 2016

TO: Members of the House of Representatives

This publication presents an overview and analysis of the counts and composition of law enforcement officers employed within the State of Michigan and among the Great Lakes States. Specifically, the analysis incorporates both the absolute number of law enforcement officers employed by various jurisdictions and the number of officers adjusted for population and land area over numerous years, dependent upon data availability. Data were provided by the Michigan State Police (MSP), the Michigan Commission on Law Enforcement Standards (MCOLES), and the Federal Bureau of Investigation's (FBI) Uniform Crime Reporting (UCR) Program. The analysis of these data enables the presentation and consideration of law enforcement employment and deployment levels at multiple jurisdictional levels over multiple years and is intended to provide legislators with the historical context and existing conditions pertaining to officer employment and thereby better inform decisions concerning the allocation of state resources to law enforcement operations.

Paul B.A. Holland, Senior Fiscal Analyst, and Kent Dell, Fiscal Analyst, are the authors of this report. Kathryn Bateson, Administrative Assistant, prepared the material for publication.

Please do not hesitate to call if you have questions about the information in this report.

A handwritten signature in black ink that reads "Mary Ann Cleary". The signature is written in a cursive, flowing style.

Mary Ann Cleary, Director



---

# TABLE OF CONTENTS

---

Executive Summary .....	1
Strength of the MSP Enlisted Ranks .....	3
Strength of Law Enforcement within Michigan .....	15
Strength of Law Enforcement among the Great Lakes States .....	21
Conclusion .....	27

## FIGURES

1 Composition of MSP Enlisted Ranks (2015).....	4
2 Historical Composition of MSP Enlisted Ranks .....	5
3 MSP Enlisted Ranks per Population and Land Area .....	6
4 Admissions to and Graduations from Trooper Recruit Schools.....	7
5 Assignment of MSP Enlisted Ranks (2015) .....	8
6 Assignment of MSP Enlisted Ranks within MSP Districts (2015) .....	9
7 Historical Deployment of Enlisted Ranks within MSP Districts.....	11
8 Deployment of Enlisted Ranks within MSP Districts per 1,000 People.....	12
9 Deployment of Enlisted Ranks within MSP Districts per 10 Sq. Miles .....	13
10 Composition of Law Enforcement Officers within Michigan .....	16
11 Law Enforcement Officers within Michigan per Population and Land Area .....	17
12 Employment of Local Law Enforcement Officers by MSP District .....	18
13 Local Law Enforcement Officers by MSP District per 1,000 People.....	19
14 Local Law Enforcement Officers by MSP District per 10 Sq. Miles .....	20
15 Composition of Officers among Great Lakes States (09-11 Avg.) .....	22
16 State Police/Patrol Officers among Great Lakes States .....	23
17 State Police/Patrol Officers among Great Lakes States per 1,000 People.....	24
18 State Police/Patrol Officers among Great Lakes States per 10 Sq. Miles .....	24
19 Total Law Enforcement Officers among Great Lakes States.....	25
20 Total Law Enforcement Officers among Great Lakes States per 1,000 People..	26
21 Total Law Enforcement Officers among Great Lakes States per 10 Sq. Miles ...	26

## TABLE

1 MSP Districts under Regional Policing Plan .....	9
--	---

---

# TABLE OF CONTENTS cont.

---

## APPENDICES

I	Composition and Assignment of MSP Enlisted Ranks during 2015 .....	31
II	Historical Composition of MSP Enlisted Ranks .....	33
III	Admissions to and Graduations from Trooper Recruit Schools.....	35
IV	Counties Predominately Encompassed within MSP Districts .....	37
V	Historical Deployment of MSP Enlisted Ranks within MSP Districts.....	39
VI	Composition of Law Enforcement Officers within Michigan by MSP District ....	41
VII	Composition of Law Enforcement Officers among the Great Lakes States as Reported to the FBI .....	43

---

# EXECUTIVE SUMMARY

---

The analysis and discussion of historical data provided by state and federal law enforcement agencies facilitates an appreciation and appraisal of the significant fluctuation in the counts and composition of law enforcement officers employed by state and local law enforcement agencies within Michigan and among the Great Lakes States over the past fifteen to twenty-five years, specifically:

- The Michigan State Police (MSP) employed a total of 1,807 enlisted officers during 2015, of whom 1,145 (63.4%) were employed as troopers, 1,555 (86.1%) were deployed within one of seven districts statewide, and 1,008 (55.8%) were employed as troopers who were deployed within districts.
- Between 1990 and 2015, the number of enlisted officers employed by the MSP declined by 19.9%; remaining relatively stable (-0.8%) throughout the 1990s, significantly declining by 24.9% during the 2000s, and partially rebounding by 7.1% since 2010.
- The MSP operated 13 trooper recruit schools graduating 1,133 troopers throughout the 1990s, three schools graduating 314 troopers were operated during the 2000s, while seven schools have graduated 492 troopers since 2010.
- The number of law enforcement officers employed by state, county, municipal, and other agencies within Michigan steadily declined by 15.4% between 1990 and 2015, to 19,136; however, municipal agencies endured the greatest decline of 23.8%, while county agencies experienced a 3.0% increase.
- During 2015, municipal law enforcement agencies employed 58.2% of officers (11,144) within Michigan, county agencies employed another 25.3% (4,841), agencies organized under the state employed 10.9% (2,084), and 5.6% (1,067) of officers were employed by other types of agencies.
- Among the Great Lakes States, from 2009 to 2011, an average of 67.8% of officers (12,080) were employed by municipal agencies, 21.1% (3,765) by county agencies, 6.9% (1,238) by the primary state police or patrol agency, and 4.2% (746) by other state and non-state agencies.
- Over the period roughly from 1995 through 1997 and 2012 through 2014, the three-year average number of officers employed by state police or patrol agencies among the Great Lakes States decreased by an average of 5.2% to 1,217, while the three-year average number of officers employed by all law enforcement agencies among the Great Lakes States increased by an average of 10.0% to 17,829.



---

# STRENGTH OF THE MSP ENLISTED RANKS<sup>1</sup>

---

## Current Composition of Enlisted Ranks

The enlisted ranks within the MSP largely replicate, with modification, the hierarchy of ranks and insignia instituted by the U.S. military.<sup>2</sup> MSP enlisted ranks ascend from recruit to trooper, sergeant, lieutenant, first lieutenant, inspector, captain, major, lieutenant colonel, and culminate with the colonel who is appointed by the Governor to serve as Director of the MSP.<sup>3</sup> The Michigan Civil Service Commission (CSC) classifies agency-specific job descriptions for MSP enlisted ranks from trooper through first lieutenant, while ranks from inspector through lieutenant colonel are classified under non-agency-specific administrative- or executive-level job descriptions and the rank of colonel is unclassified.<sup>4</sup> The CSC further classifies or conceptualizes detective and specialist job descriptions within the ranks of trooper through first lieutenant; detectives are embedded with investigative teams or multi-jurisdictional taskforces, whereas specialists are engaged in highly complex areas of law enforcement.

As of October 2015, there were 1,807 enlisted officers employed by the MSP. Of these officers, 1,145 (or 63.4% of the enlisted ranks) were troopers, of which there were 1.7 for every officer employed within more senior ranks. The senior ranks consisted of 455 sergeants (25.2% of enlisted ranks), 98 lieutenants (5.4%), 72 first lieutenants (4.0%), 18 inspectors (1.0%), 15 captains (0.8%), 3 lieutenant colonels (0.2%), and the colonel. (**Figure 1**)

---

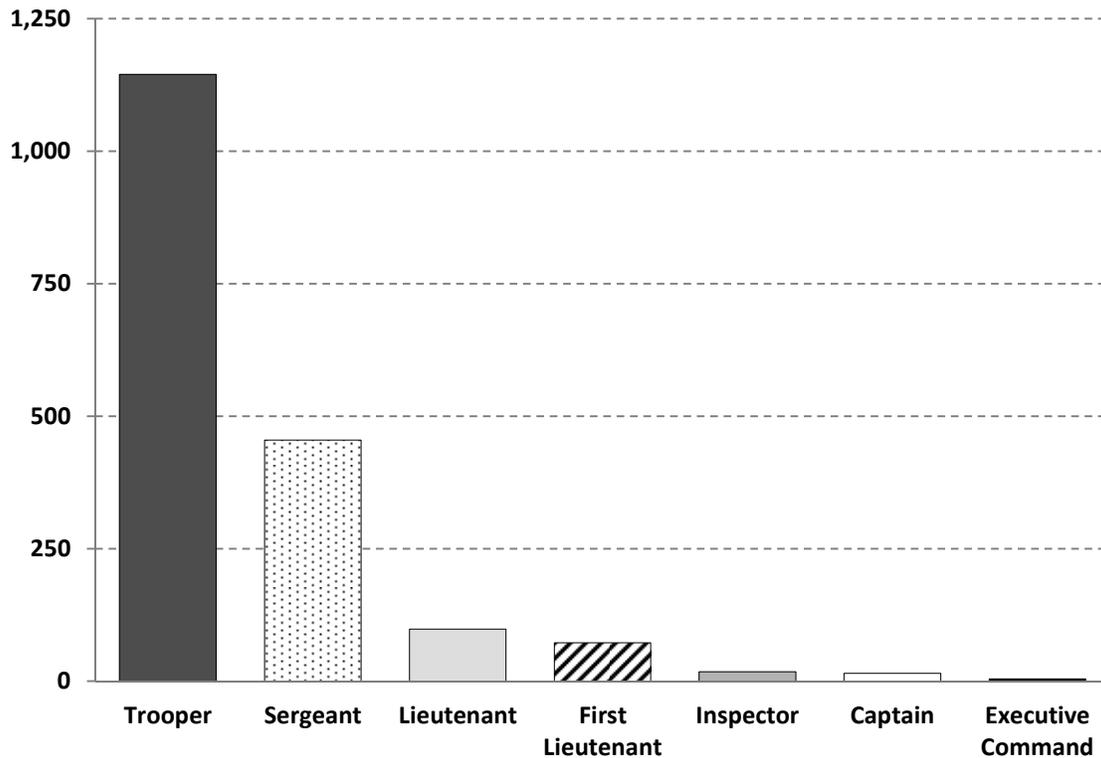
<sup>1</sup> The information described below detailing the employment, composition, recruitment, assignment, and deployment of MSP enlisted ranks is based on data produced and provided by the MSP Departmental Services Division. These data were accessed from the Human Resources universe within the Michigan Administrative Information Network (MAIN), account for actual individuals employed by the MSP as enlisted officers, and were ascertained during the 21st pay period, occurring in late September or early October and coinciding with the succession of the state's fiscal year. The MSP was able to provide data going back to 1990.

<sup>2</sup> This publication excludes discussion of motor carrier and state property security officers, who, although armed and uniformed, are not typically licensed as law enforcement officers and, accordingly, are considered civilians and not included within MSP's enlisted ranks.

<sup>3</sup> The rank of major is not currently utilized by the MSP and was most recently held in 2011.

<sup>4</sup> The CSC incorporates the rank of recruit within the classification for trooper as the entry-level position, which includes an 18-month probationary period following graduation from Trooper Recruit School. The rank of inspector is classified as State Administrative Manager 16, Senior Executive Assistant Deputy Director 15, or Senior Executive Assistant Director 16; captain is classified as State Office Administrator 17 or State Bureau Administrator 18; and lieutenant colonel is classified as Senior Deputy Director 20. More detailed information on job descriptions for MSP enlisted ranks can be accessed on the CSC website at <https://civilservice.state.mi.us/MCSCJobSpecifications/JobSpecMain.aspx>.

**FIGURE 1**  
Composition of MSP Enlisted Ranks (2015)



The composition of the enlisted ranks during 2015 is exhibited by *Appendix I*.

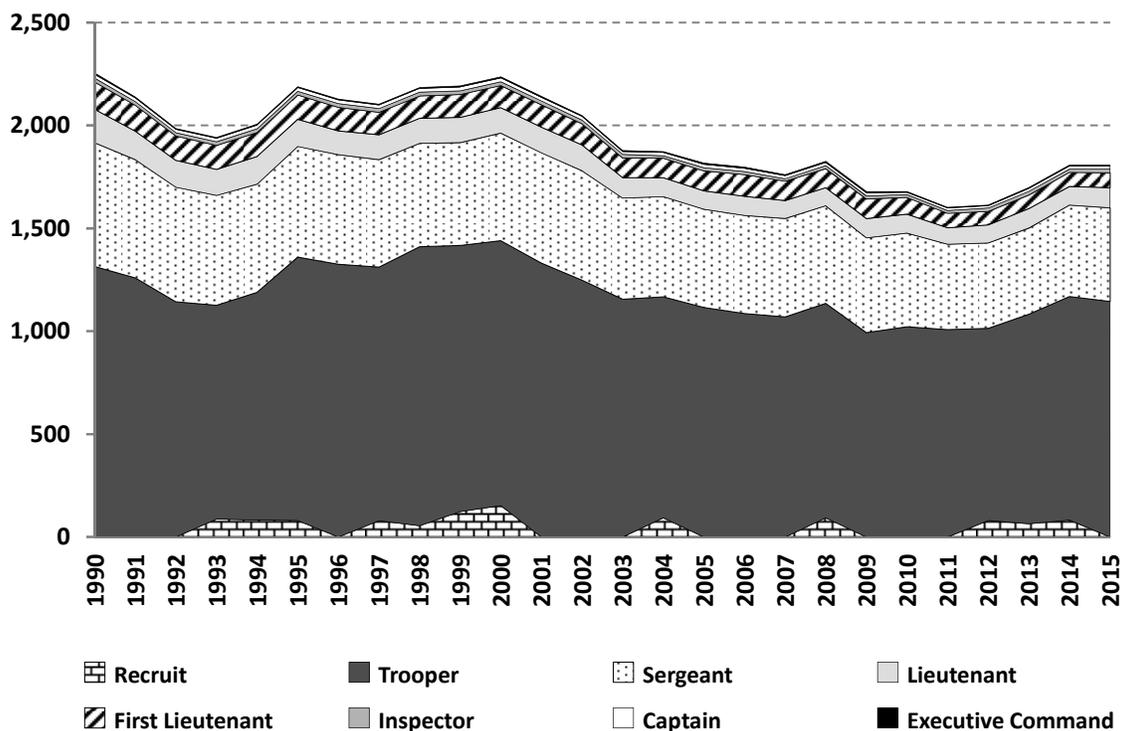
#### Historical Composition of Enlisted Ranks

Over the period under consideration, 1990 through 2015, the number of enlisted officers employed by the MSP fell from a peak of 2,255 in 1990 to a trough of 1,602 during 2011 and rose to 1,807 by 2015 (**Figure 2**). Throughout the entire period the total number of enlisted officers declined by 19.9%; however, a more precise analysis reveals that:

- the number of officers remained stable (-0.8%) between 1990 and 2000
- significantly declined by 24.9% between 2000 and 2010
- partially rebounded by 7.1% between 2010 and 2015

While the number of troopers declined by 12.9% over the entire period, the number of more senior ranks declined by 29.6%; and while the number of troopers rose by 12.0% between 2010 and 2015, the number of more senior ranks remained stable (0.8%). Accordingly, the proportion of the enlisted officers employed as troopers increased from 58.3% during 1990 to 63.4% during 2015 and the ratio of troopers to officers employed with more senior ranks similarly increased from 1.4 to 1.7 trooper per more senior officer.

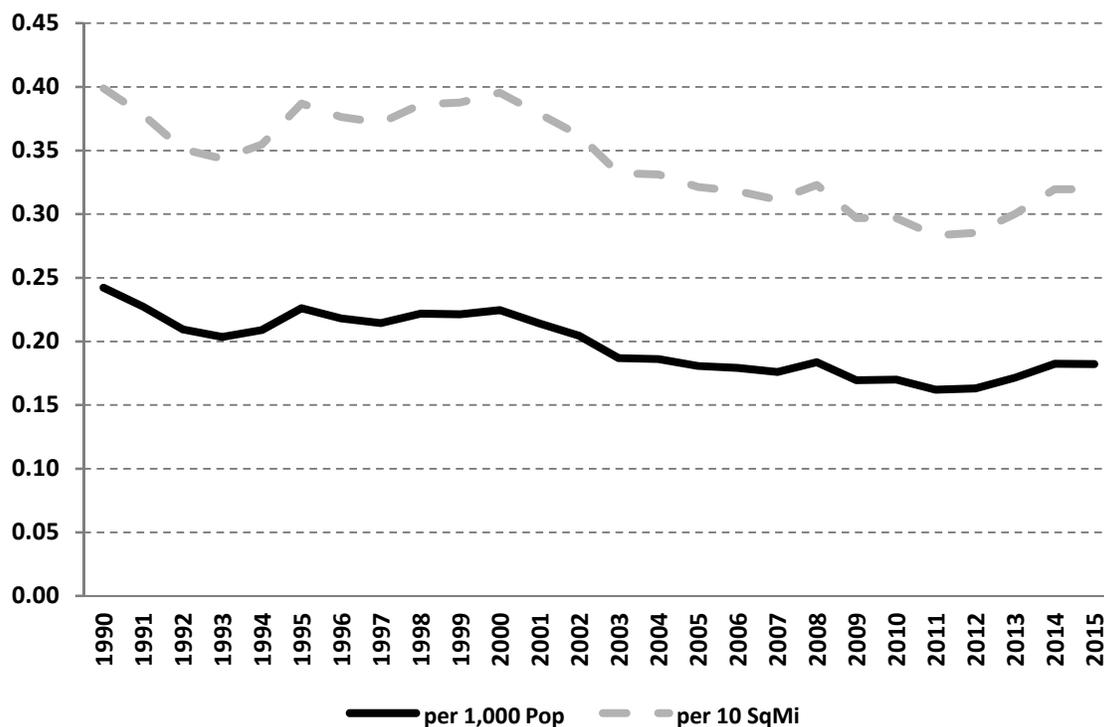
**FIGURE 2**  
Historical Composition of MSP Enlisted Ranks



Based on U.S. Census data, the number of enlisted officers per 1,000 residents fell from a peak of 0.24 in 1990 to a trough of 0.16 during 2011 and then rose to 0.18 by 2015. Similarly, the number of enlisted officers per ten square miles of land area fell from a peak of 0.4 in 1990 to a trough of 0.28 during 2011 and rose to 0.32 by 2015 (**Figure 3**). Taking into consideration fluctuations in the state's population, the number of enlisted officers per 1,000 residents declined by 24.8% over the entire period; specifically:

- Falling 7.2% between 1990 and 2000
- Falling 24.3% between 2000 and 2010
- Rising 7.1% between 2010 and 2015

**FIGURE 3**  
MSP Enlisted Ranks per Population and Land Area



The historical composition of the enlisted ranks is exhibited by *Appendix II*.

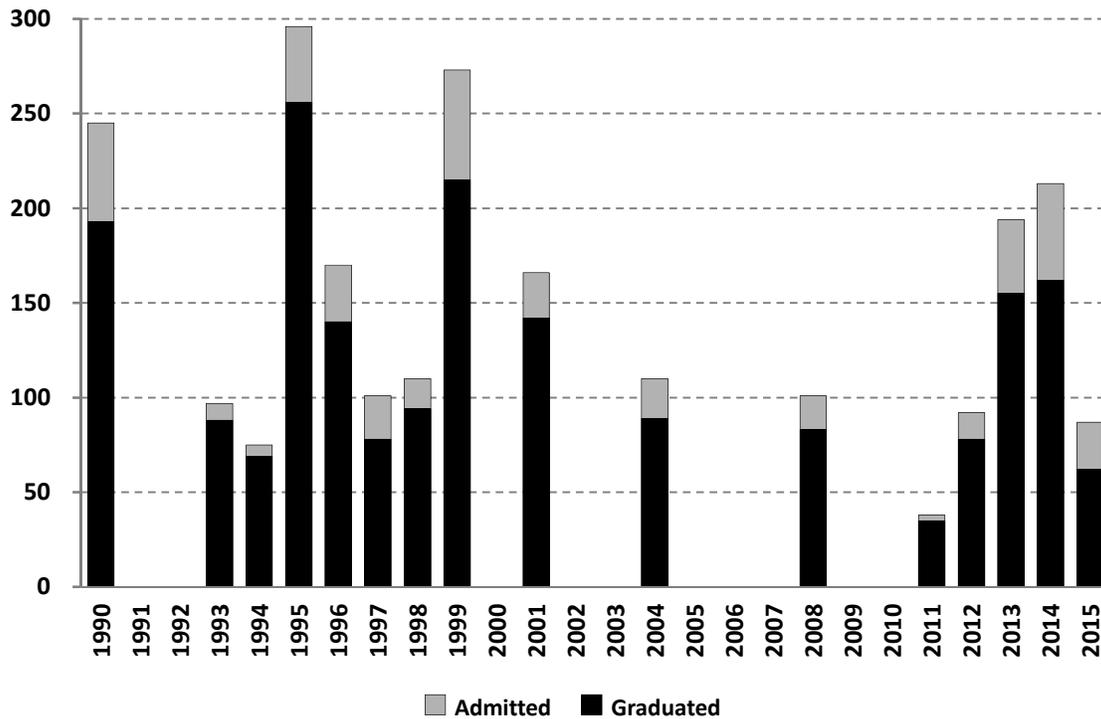
Recruitment via Trooper Recruit Schools

The MSP organizes and operates reoccurring trooper recruit schools at its Training Academy located in Dimondale. A school is a 20- to 22-week residential training curriculum attended by all prospective MSP troopers, referred to as recruits. Applicants to a school must meet multiple eligibility, experience, and examination requirements and those who merit admittance receive a conditional offer of employment. Recruits are classified as state employees and are compensated with salaries and benefits during the school. Upon graduation from the school, recruits are deployed to MSP posts and begin their 18-month probationary period as troopers.

Schools have occurred intermittently since 1990, subject to MSP's expansion or backfilling of the enlisted ranks and legislative appropriations.<sup>5</sup> Thirteen schools occurred during the 1990s, admitting 1,367 and graduating 1,133 recruits overall; whereas, merely three occurred throughout the 2000s, altogether admitting 377 and graduating 314 recruits (**Figure 4**). Recall that the total number of enlisted officers remained stable between 1990 and 2000 (-0.8%) and significantly declined between 2000 and 2010 (-24.9%). Since 2010, seven schools have, in total, admitted 624 and graduated 492 recruits, sustaining the partial rebound (7.1%) in the number of enlisted officers. Over the entire period, 81.9% of recruits graduated from their school, which is fairly consistent with MSP's target graduation rate of 80.0%.

<sup>5</sup> "Backfilling" means the promotion of troopers to occupy vacancies within the more senior ranks created due to the resignation or termination of more senior officers.

**FIGURE 4**  
Admissions to and Graduations from Trooper Recruit Schools



The admissions to and graduations from trooper recruit schools is exhibited by *Appendix III*.

Current Assignment of Enlisted Ranks

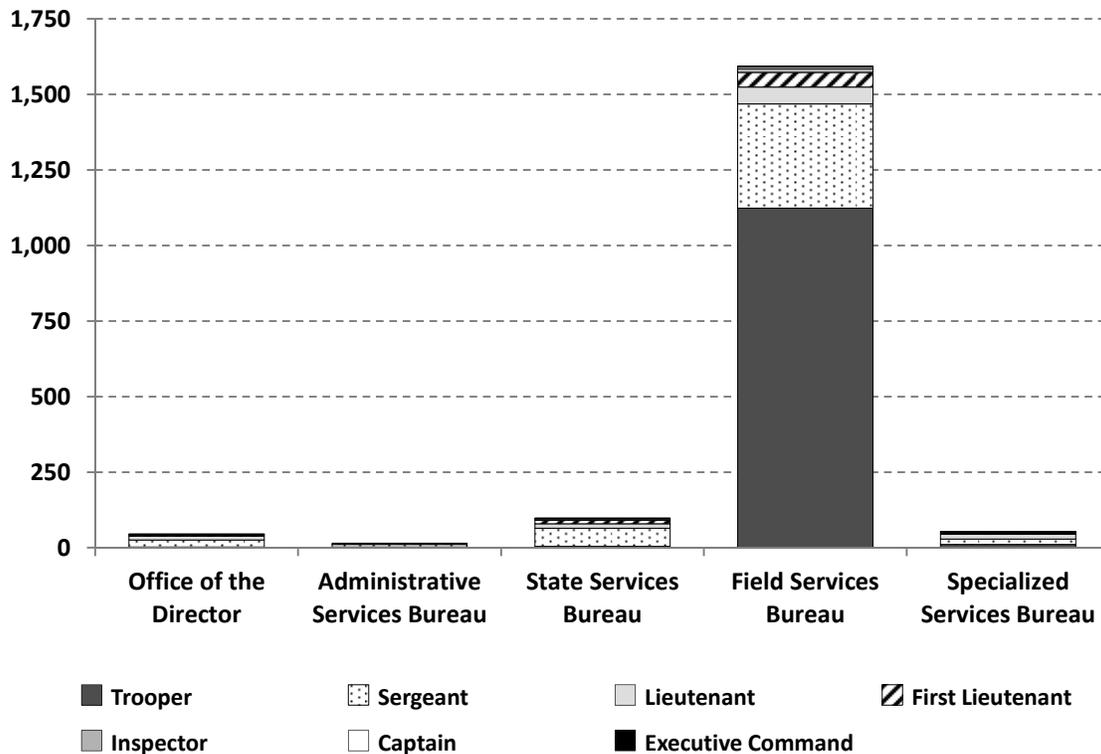
While the MSP has undergone frequent and significant reorganizations over the years, there are currently four bureaus and the executive office, specifically:

- **Office of the Director**, consisting of the Chief Administrative Officer, Human Resources Division, Internal Control Coordinator, Legislative and Legal Resources Section, Officer of Behavioral Science, Professional Standards Section, Public Affairs Section, and the Special Operations Division
- **Administrative Services Bureau**, consisting of the Criminal Justice Information Center, Communications Sections, Departmental Services Division, Grants and Community Services Division, and 9-1-1 Administration
- **State Services Bureau**, consisting of the Biometrics and Identification Division, Forensics Science Division, Office of Highway Safety Planning, Recruiting and Selection Section, Training Division, and the independent Michigan Commission on Law Enforcement Standards

- **Specialized Services Bureau**, consisting of the Commercial Vehicle Enforcement Division, Emergency Management and Homeland Security Division, and the Intelligence Operations Division
- **Field Services Bureau**, consisting of the Special Investigation Division and the seven MSP districts described in further detail below

Of the 1,807 enlisted officers employed by the MSP, 1,594 (88.2%) were assigned within the Field Services Bureau, 98 (5.4%) within the State Services Bureau, 54 (3.0%) within the Specialized Services Bureau, 46 (2.5%) within the Office of the Director, and 15 (0.8%) were within the Administrative Services Bureau (**Figure 5**).

**FIGURE 5**  
Assignment of MSP Enlisted Ranks (2015)



The substantial majority of enlisted officers are assigned within the Field Services Bureau and are responsible for promoting general law enforcement and traffic safety via patrols of public highways, participating in collaborative criminal investigative teams and taskforces (e.g., narcotics, fire, fraud, auto theft), providing specialized operations (e.g., SWAT, aviation, bomb, canine, dive) to local law enforcement agencies, partnering with distressed cities (e.g., Detroit, Flint, Saginaw) to supplement local law enforcement, and performing security services at recreational, political, and special events.

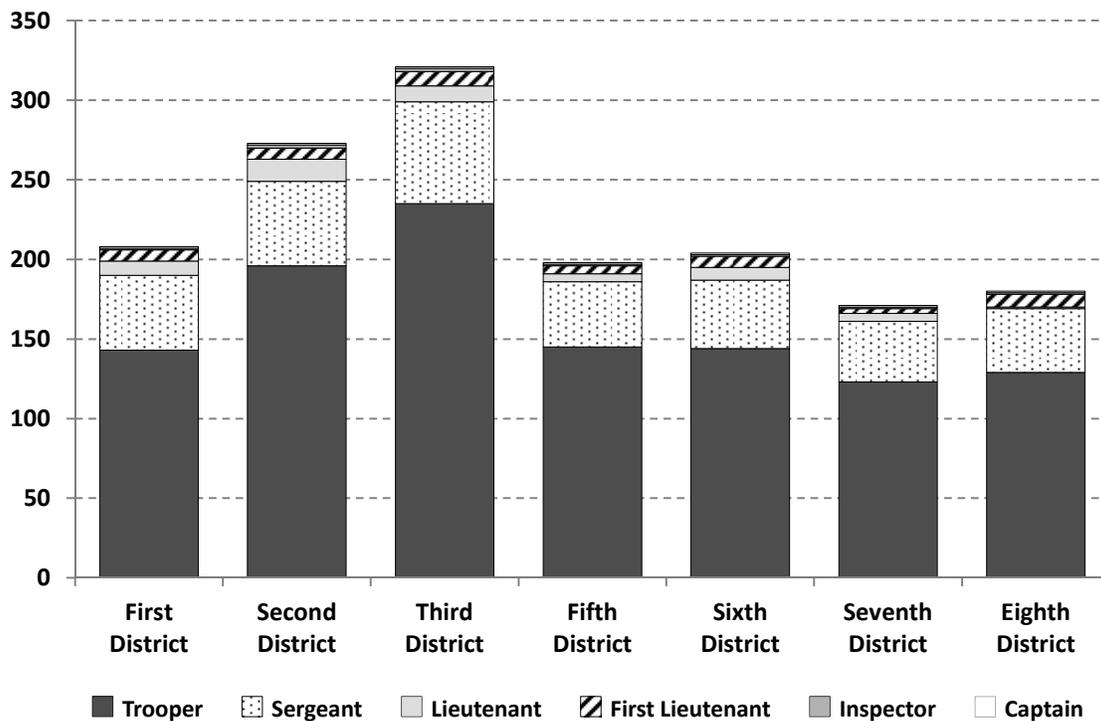
The Bureau is currently organized according to the Regional Policing Plan, which delineates the state into seven districts, encompassing 29 posts and 54 detachments, as exhibited in **Table 1**.

**Table 1**  
MSP Districts under Regional Policing Plan

District	Headquarters	Geography	Facilities	Counties	Population	Land Area
First	Lansing	Central and Southeast MI	4 posts and 7 detachments	9	1,471,685	5,568 mi <sup>2</sup>
Second	Taylor	Metro Detroit	1 post and 7 detachments	3	3,865,668	1,959 mi <sup>2</sup>
Third	Flint	Thumb and Saginaw Bay	5 posts and 11 detachments	14	1,322,618	8,869 mi <sup>2</sup>
Fifth	Paw Paw	Southwest MI	4 posts and 10 detachments	9	955,138	5,318 mi <sup>2</sup>
Sixth	Rockford	West MI	4 posts and 7 detachments	14	1,539,517	8,401 mi <sup>2</sup>
Seventh	Traverse City	Northern Lower Peninsula	4 posts and 6 detachments	19	460,672	10,046 mi <sup>2</sup>
Eighth	Marquette	Upper Peninsula	7 posts and 6 detachments	15	306,688	16,377 mi <sup>2</sup>

Of the 1,594 enlisted officers assigned within the Field Services Bureau, 4 (0.2%) were positioned at the MSP headquarters in Dimondale and 35 (1.9%) were embedded within the Special Investigation Division located throughout the state, while the remaining officers were deployed within the First (208, 11.5%), Second (273, 15.1%), Third (321, 17.8%), Fifth (198, 11.0%), Sixth (204, 11.3%), Seventh (171, 9.5%), and Eighth (180, 10.0%) Districts.

**FIGURE 6**  
Assignment of MSP Enlisted Ranks within MSP Districts (2015)



The assignment of the enlisted ranks during 2015 is exhibited by *Appendix I*.

## Historical Deployment of Enlisted Ranks within MSP Districts

The MSP has significantly and continually reconfigured its organizational structure over the course of its existence so to adapt to ever-changing external conditions and circumstances, accomplish varying operational strategies and tactics, and accommodate fluctuating departmental responsibilities. For instance, the Field Services Bureau (formerly Uniformed Services Bureau) has at times included the enlisted officers assigned to the Special Operations, Traffic Safety, or Motor Carrier Divisions all of which are currently organized within other bureaus. Furthermore, the enlisted officers embedded with criminal or special investigative teams and taskforces have oftentimes been organizationally segregated from enlisted officers deployed within MSP districts, yet occasionally, these investigative officers were deployed within the districts.

In addition to changes in the composition of enlisted officers deployed within MSP districts, the boundaries of the districts themselves have undergone significant alteration over the years. The MSP eliminated the Fourth District during 1991 to reduce expenditures and realize efficiencies; initially combining it with the First and subsequently merging it into the First and Fifth Districts while a portion of the First was allocated to the Sixth. Moreover, between 2006 and 2007 parts of the Sixth District were combined with the Third and part of the Fifth merged into the Sixth. A listing of counties predominately encompassed within MSP districts is exhibited by *Appendix IV*.

Beginning in 2011, the MSP implemented the Regional Policing Plan, which restructured MSP's service delivery model; deemphasizing infrastructure, facilitating flexibility in deployment and scheduling, and promoting responsiveness by reducing constraints posed by traditional geographic boundaries. The Plan substantially altered MSP district boundaries; transferring parts of the First District into the Third and Fifth, parts of the Second into the First and Third, parts of the Third into the Sixth, and parts of the Sixth into the Fifth. Additionally, 21 posts were closed and 12 more were converted into detachments while the MSP equipped patrol vehicles with modern mobile technology, enabling enlisted officers to perform more administrative functions while away from MSP posts.

Analogous to the number of all enlisted officers employed by the MSP, the number deployed within MSP districts peaked during 1990 at 1,832, subsequently falling to a trough of 1,257 by 2012 and eventually rising to 1,555 by 2015. The total number of enlisted officers deployed within MSP districts declined 15.1% between 1990 and 2015; falling 6.6% until 2000 and another 20.3% until 2010 then rising 14.0% since.<sup>6</sup> (**Figure 7**)

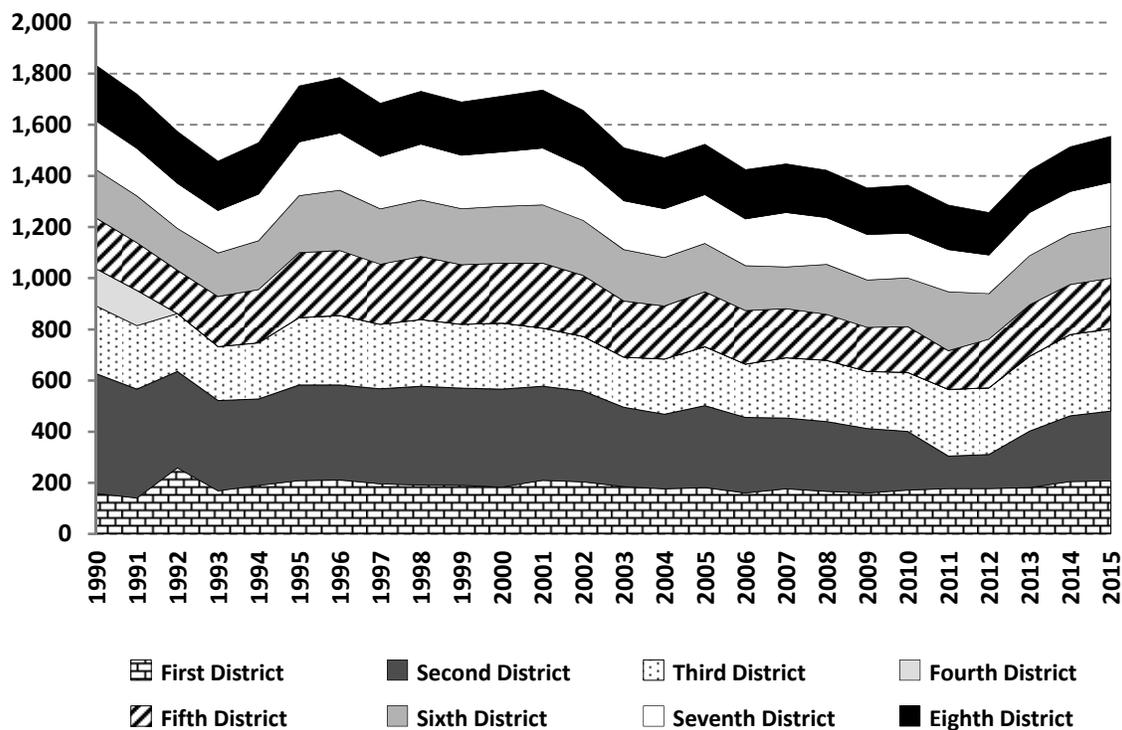
As indicated above, the boundaries of MSP districts have substantially changed over the years; accordingly, variations in the number of enlisted officers deployed within each district reflect both fluctuations in deployment levels and alterations in district boundaries. With that in mind, over the entire period, the number of enlisted officers deployed within the:

---

<sup>6</sup> This discussion of the enlisted ranks deployed within MSP districts concerns all enlisted officers; however, the table exhibited by *Appendix V* distinguishes data pertaining to "at-post" troopers as a subset of all enlisted officers assigned within MSP districts. "At-post" troopers perform general and traffic-related law enforcement duties while assigned to MSP posts and during road patrols within specified geographic areas and mostly exclude detective and specialist troopers primarily engaged in criminal investigations or specialized MSP services.

- First District increased 30.8% by 2015 constituting 13.4% of all district officers
- Second District decreased 41.7% and constituted 17.6% of all district officers
- Third District increased 21.1% and constituted 20.6% of all district officers
- Fourth District decreased 100.0%
- Fifth District remained unchanged and constituted 12.7% of all district officers
- Sixth District increased 7.9% and constituted 13.1% of all district officers
- Seventh District decreased 10.0% and constituted 11.0% of all district officers
- Eighth District decreased 17.4% and constituted 11.6% of all district officers

**FIGURE 7**  
Historical Deployment of Enlisted Ranks within MSP Districts

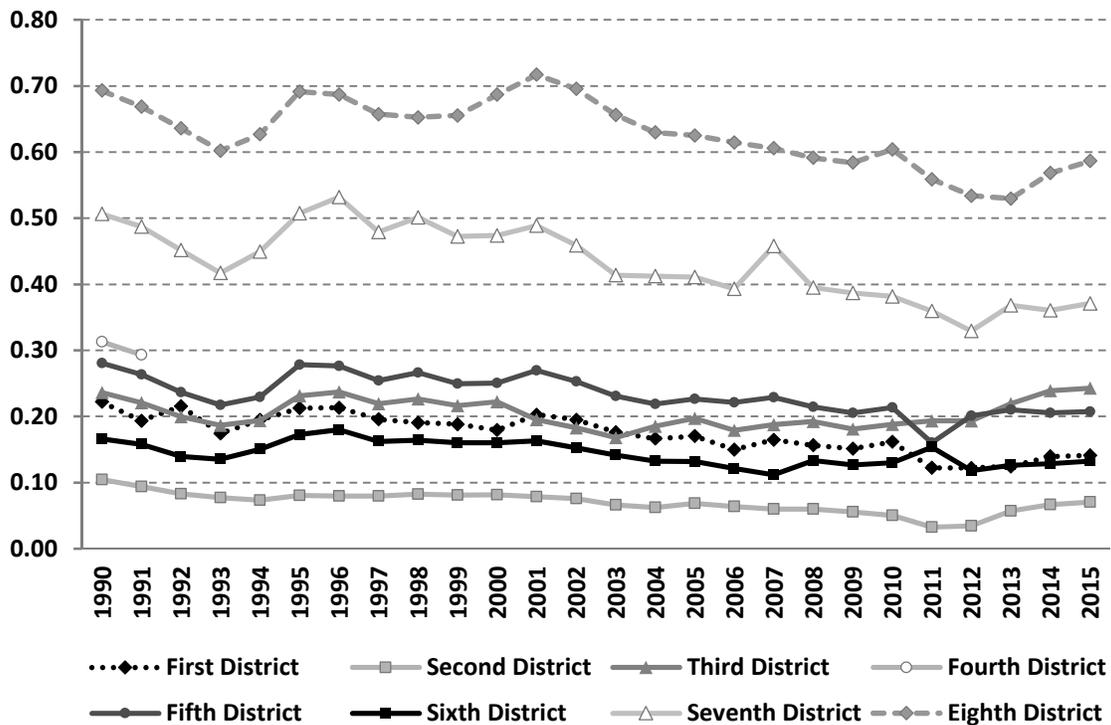


Analysis utilizing U.S. Census data enables the comparison of deployment levels within each MSP district while largely controlling for the effects of changes in population and district boundaries.<sup>7</sup> The total number of enlisted officers deployed within all MSP districts per 1,000 residents declined 20.3% over the entire period, falling by 12.6% until 2000 and another 19.7% until 2010 then rising 13.5% to 0.16 by 2015 (**Figure 8**), while the number of district officers per ten square miles followed a similar trajectory, settling at 0.28 by 2015 (**Figure 9**). Between 1990 and 2015 the number of enlisted officers deployed per 1,000 residents:

<sup>7</sup> MSP districts do not precisely coincide with county boundaries; consequently, population and geographic metrics discussed herein are approximations calculated using available county-level data.

- Fell 36.4% to 0.14 within the First District
- Fell 32.4% to 0.07 within the Second District
- Rose 2.8% to 0.24 within the Third District
- Fell 26.2% to 0.21 within the Fifth District
- Fell 20.2% to 0.13 within the Sixth District
- Fell 26.7% to 0.37 within the Seventh District
- Fell 15.4% to 0.59 within the Eighth District

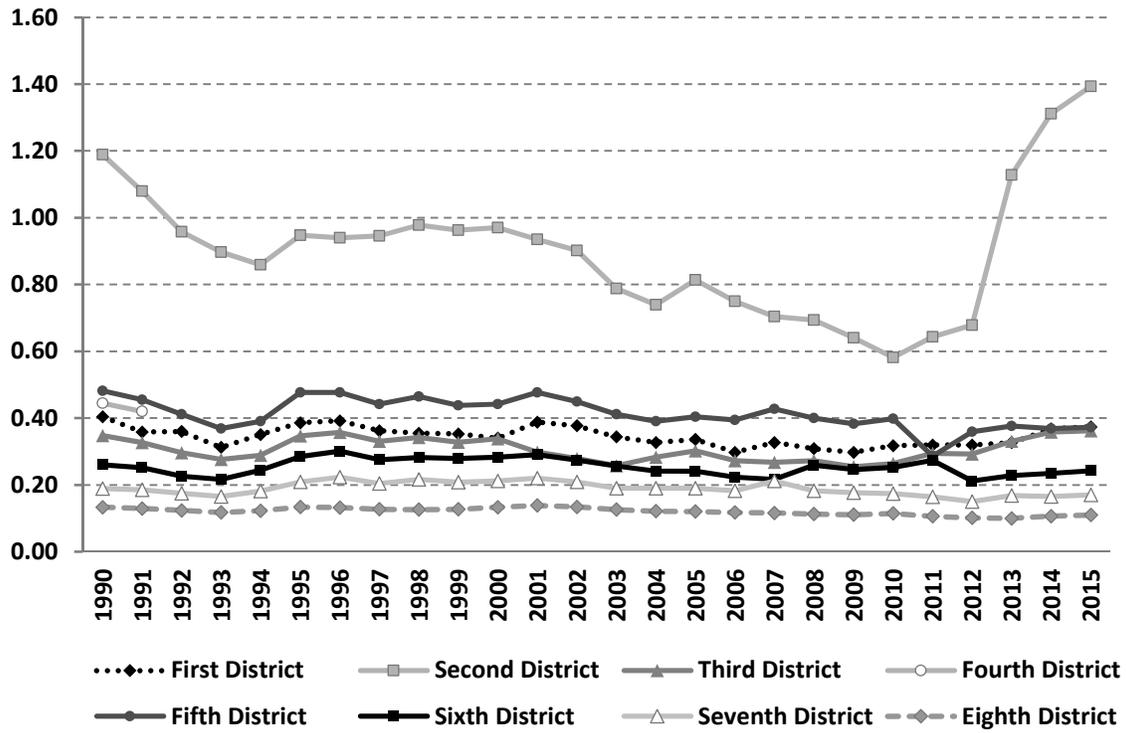
**FIGURE 8**  
Deployment of Enlisted Ranks within MSP Districts per 1,000 People



Considered in terms of land area, the number of officers deployed per ten square miles:

- Fell 7.6% to 0.37 within the First District
- Rose 17.2% to 1.39 within the Second District
- Rose 4.0% to 0.36 within the Third District
- Fell 22.8% to 0.37 within the Fifth District
- Fell 6.7% to 0.24 within the Sixth District
- Fell 10.0% to 0.17 within the Seventh District
- Fell 17.4% to 0.11 within the Eighth District

**FIGURE 9**  
Deployment of Enlisted Ranks within MSP Districts per 10 Sq. Miles



The historical deployment of the enlisted ranks within MSP districts is exhibited by *Appendix V*.



---

# STRENGTH OF LAW ENFORCEMENT WITHIN MICHIGAN<sup>8</sup>

---

## Composition of Law Enforcement Officers within Michigan

During the period from 2001 through 2015, the number of law enforcement officers employed by state, county, municipal, and other (e.g., parks, schools, tribes) agencies fell from a peak of 22,607 in 2001 to a trough of 18,960 during 2014, rising slightly to 19,136 by 2015. Over the entire period, the total number of officers steadily declined by 15.4% (**Figure 10**). However, changes in the number of officers differed dependent upon the type of agency employing them:

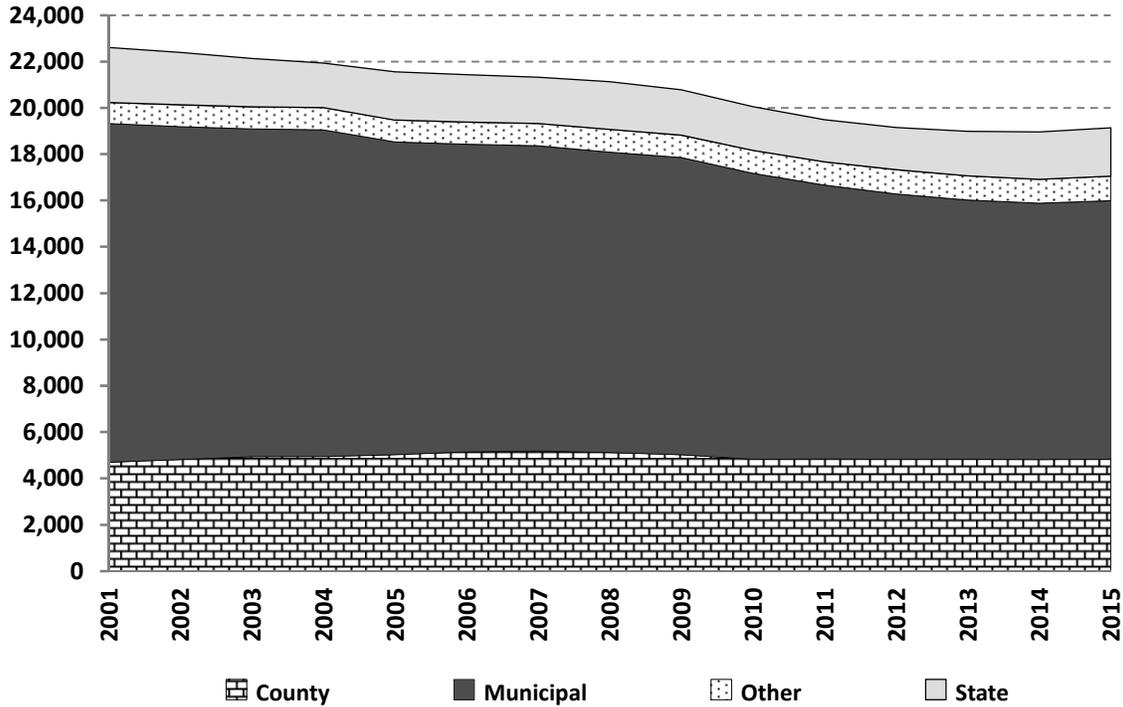
- Municipal law enforcement agencies underwent the greatest loss of officers, from 14,626 in 2001 to 11,144 in 2015, a decline of 23.8%
- The number of state-employed officers fell from 2,377 to 2,084, a 12.3% decline overall, comprised of a 20.4% loss until 2010 and a 10.1% gain since
- County sheriffs' officer employment levels remained relatively stable over the period, increasing 3.0% from 4,699 to 4,841 officers, and peaking at 5,191 during 2007
- Officers employed by other types of authorities and entities rose by 17.9% since 2001, from 905 to 1,067 officers

Between 2001 and 2015, the statewide proportion of law enforcement officers employed by county agencies increased from 20.8% to 25.3% of all officers and those employed by other types of agencies increased from 4.0% to 5.6%, while officers employed by municipal agencies decreased from 64.7% to 58.2% of all officers and those employed by state agencies remained relatively stable (from 10.5% to 10.9%).

---

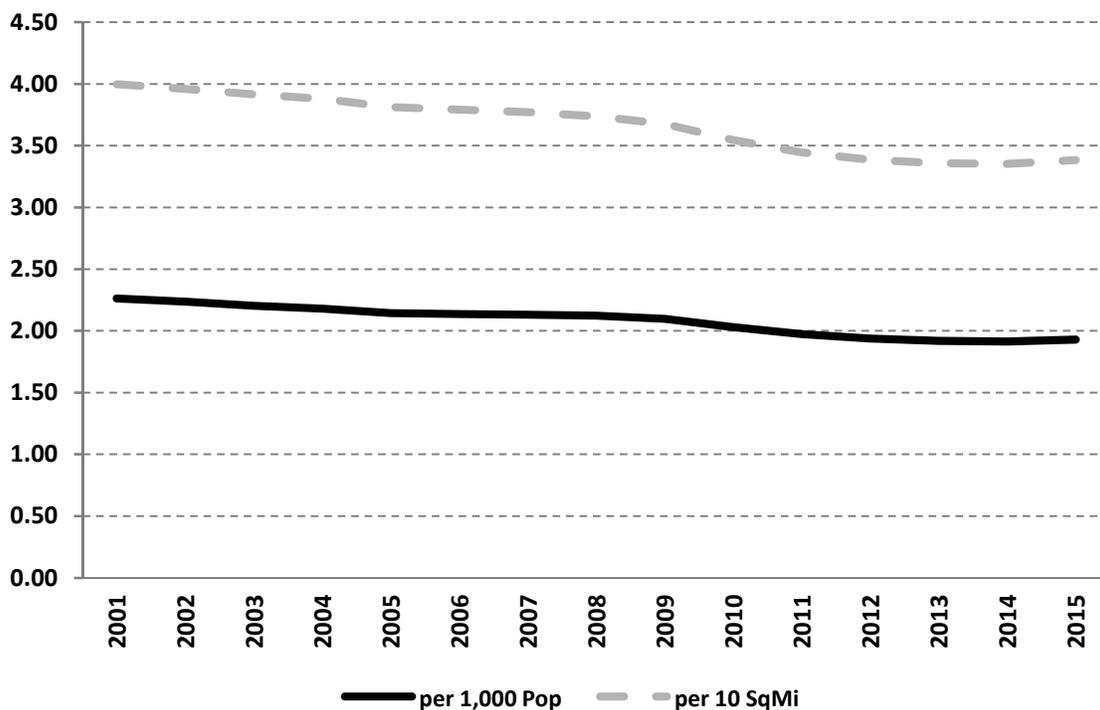
<sup>8</sup> The Commission on Law Enforcement Standards Act (1965 PA 203) requires that recognized law enforcement agencies report information concerning the employment of law enforcement officers to the MCOLES. Beginning in 2001, this information has been recorded within the MCOLES Information and Tracking Network (MITN), which was utilized to access the information described below and detailing the counts and composition of law enforcement agencies organized under state, county, municipal, and other authorities and entities. As used throughout this discussion, "state" includes officers employed by the MSP, Department of Natural Resources, Attorney General, and Legislature; "county" includes officers employed by sheriffs' offices; "municipal" includes officers employed by cities, villages, and townships; and "other" includes officers employed by airports, boards of education, community colleges, parks, county prosecutors, railroads, tribes, and public universities. Officer counts are positions occupied as of December 31st of each year by individuals licensed by MCOLES as law enforcement officers and includes part-time positions, some number of which may be occupied by the same licensed individual.

**FIGURE 10**  
Composition of Law Enforcement Officers within Michigan



According to analysis utilizing U.S. Census data, the total number of law enforcement officers per 1,000 residents fell from a peak of 2.26 in 2001 to a trough of 1.91 during 2014, rising slightly to 1.93 by 2015. Similarly, the number of officers per ten square miles of land area fell from a peak of 4.0 in 2001 to a trough of 3.35 during 2014, rising slightly to 3.38 by 2015 (**Figure 11**). Accounting for fluctuations in the state's population, the total number of law enforcement officers per 1,000 residents declined by 14.8% between 2001 and 2015.

**FIGURE 11**  
Law Enforcement Officers within Michigan  
per Population and Land Area



Beyond variations in the number of law enforcement officers employed, the number of law enforcement agencies fluctuated consistently as agencies were created, combined, and closed between 2001 and 2015. The overall change in the number of agencies over this period was a decline of 15 agencies. This reduction was comprised of a contraction of 20 agencies organized under municipal authorities and an expansion of two agencies organized under state authorities (i.e., the House and Senate Sergeants at Arms) with three more organized under other authorities and entities.

The composition of law enforcement officers within Michigan is exhibited by *Appendix VI*.

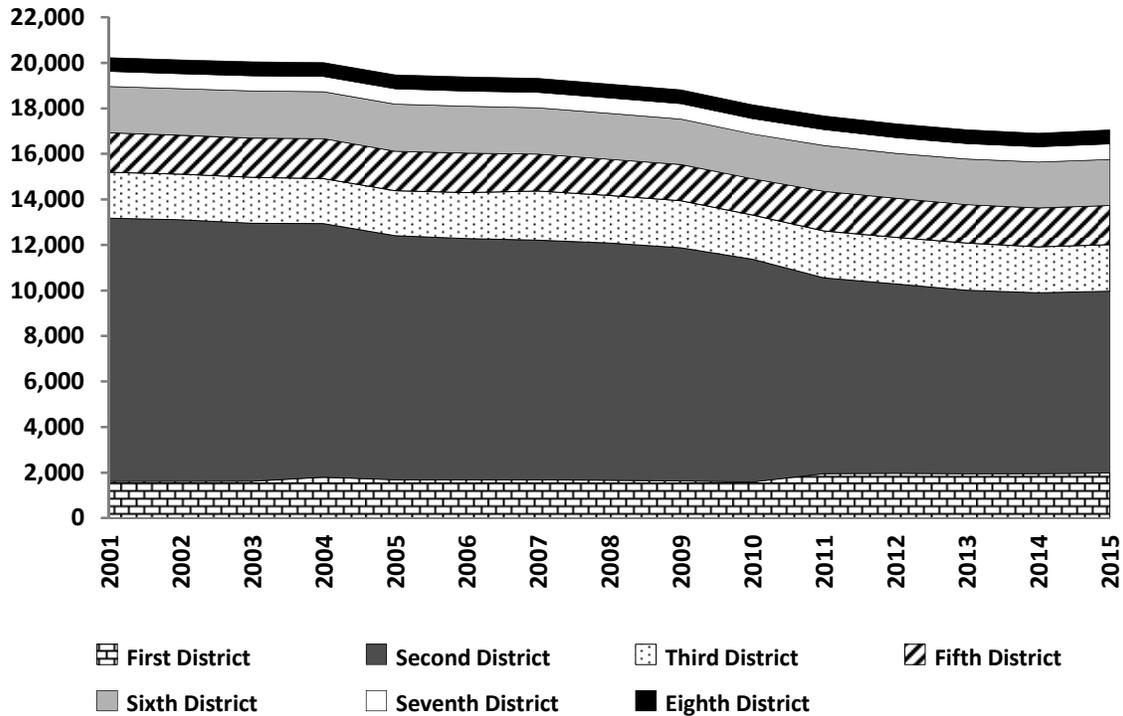
Employment of Local Law Enforcement Officers by MSP District

Throughout the following discussion, officers employed by local law enforcement agencies organized under county, municipal, and other authorities and entities are categorized according to the MSP district within which they are located in order to foster clarification of the data and facilitate comparability with the deployment levels of MSP enlisted officers. A listing of counties predominately encompassed within MSP districts is exhibited by *Appendix IV*.

As previously indicated, substantial changes of the MSP district boundaries over the years entails that variations in the number of local law enforcement officers employed within each district reflect both fluctuations in employment levels and alterations in district boundaries. Keeping that in mind,

from 2001 through 2015, the total number of officers employed by county, municipal, and other law enforcement agencies located within the First District increased by 23.0% to 1,978 and decreased by 30.9% within the Second District to 7,992 officers, while remaining relatively stable (varying between -0.6% and 3.0%) within the Third (2,037), Fifth (1,725), Sixth (2,023), Seventh (682), and Eighth (615) Districts. (Figure 12)

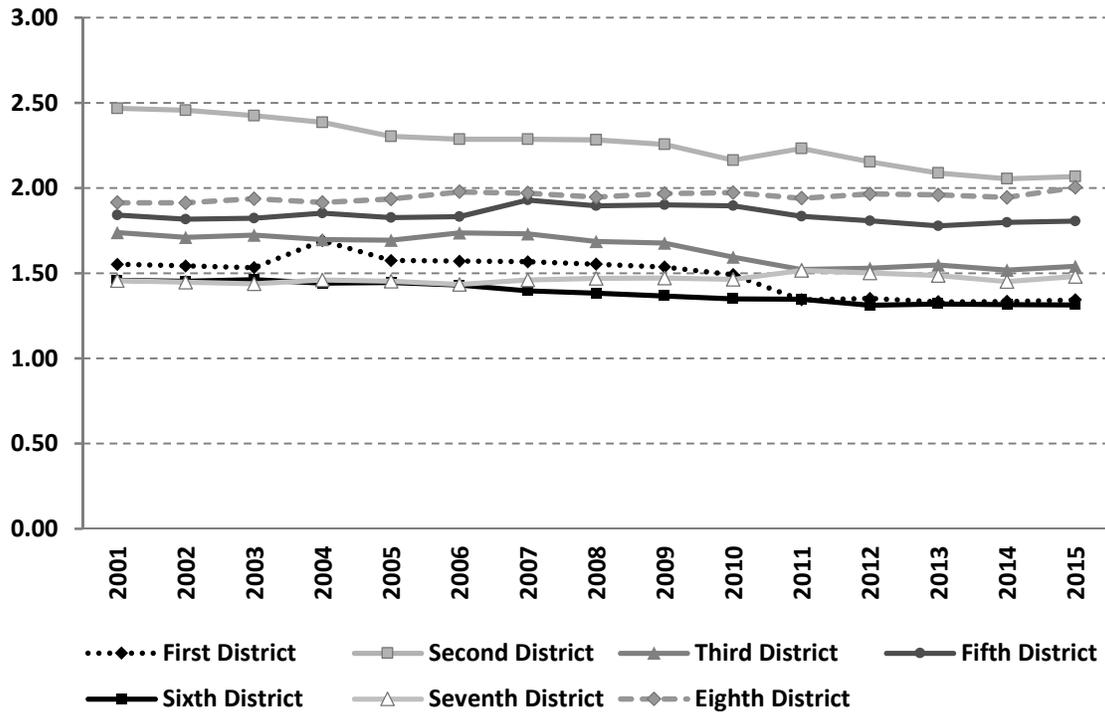
**FIGURE 12**  
Employment of Local Law Enforcement Officers by MSP District



Utilization of U.S. Census data enables analysis of the number of local law enforcement officers located within each MSP district while broadly controlling for changes in population and district boundaries (Figure 13). Over the period from 2001 through 2015, the number of local law enforcement officers employed per 1,000 residents:

- Fell 13.4% to 1.34 within the First District
- Fell 16.2% to 2.07 within the Second District
- Fell 11.4% to 1.54 within the Third District
- Fell 1.9% to 1.81 within the Fifth District
- Fell 9.9% to 1.31 within the Sixth District
- Rose 1.6% to 1.48 within the Seventh District
- Rose 4.7% to 2.0 within the Eighth District

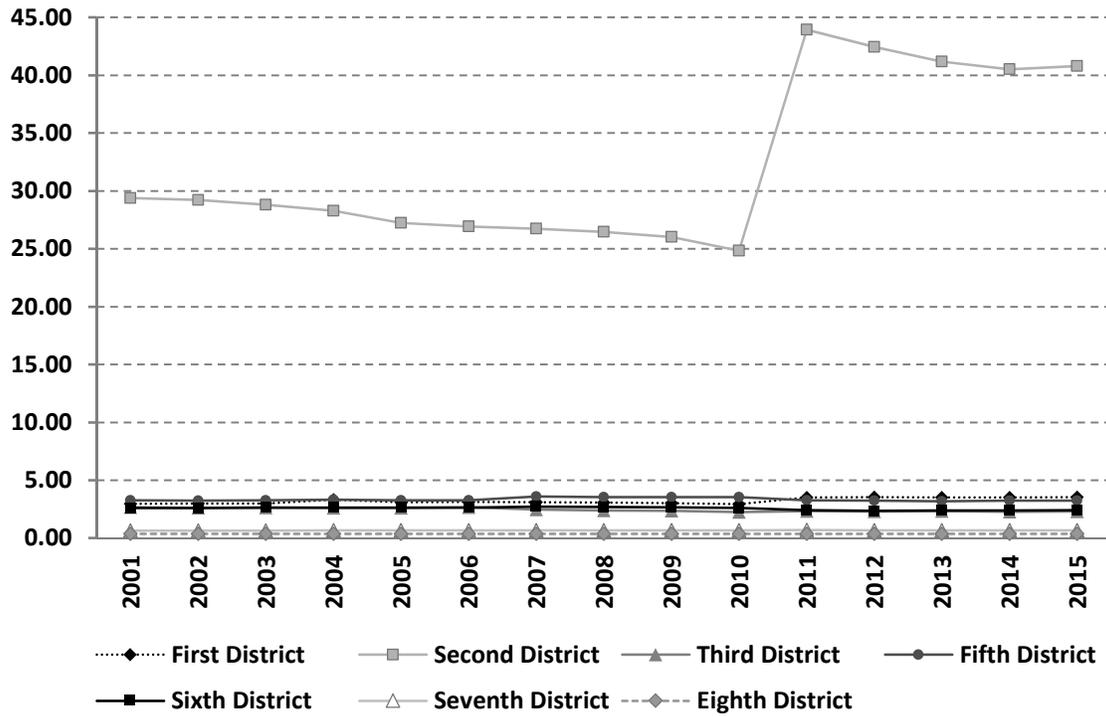
**FIGURE 13**  
Local Law Enforcement Officers by MSP District per 1,000 People



Measured in terms of land area, the number of local officers employed per ten square miles (Figure 14):

- Rose 19.6% to 3.55 within the First District
- Rose 38.8% to 40.8 within the Second District
- Fell 13.3% to 2.3 within the Third District
- Fell 0.4% to 3.24 within the Fifth District
- Fell 7.4% to 2.41 within the Sixth District
- Rose 3.0% to 0.68 within the Seventh District
- Rose 1.5% to 0.38 within the Eighth District

**FIGURE 14**  
Local Law Enforcement Officers by MSP District per 10 Sq. Miles



The employment of local law enforcement officers by MSP district is exhibited by *Appendix VI*.

---

# STRENGTH OF LAW ENFORCEMENT AMONG THE GREAT LAKES STATES<sup>9</sup>

---

## Composition of Law Enforcement Officers among Great Lakes States

In effort to partially mitigate the potential adverse effects of limitations in UCR data, the three-year average of the number of law enforcement officers employed during the period 2009 through 2011 is utilized in analyzing the composition of officers employed by various types of agencies among the Great Lakes States as reported to the FBI (**Figure 15**). Over that period:

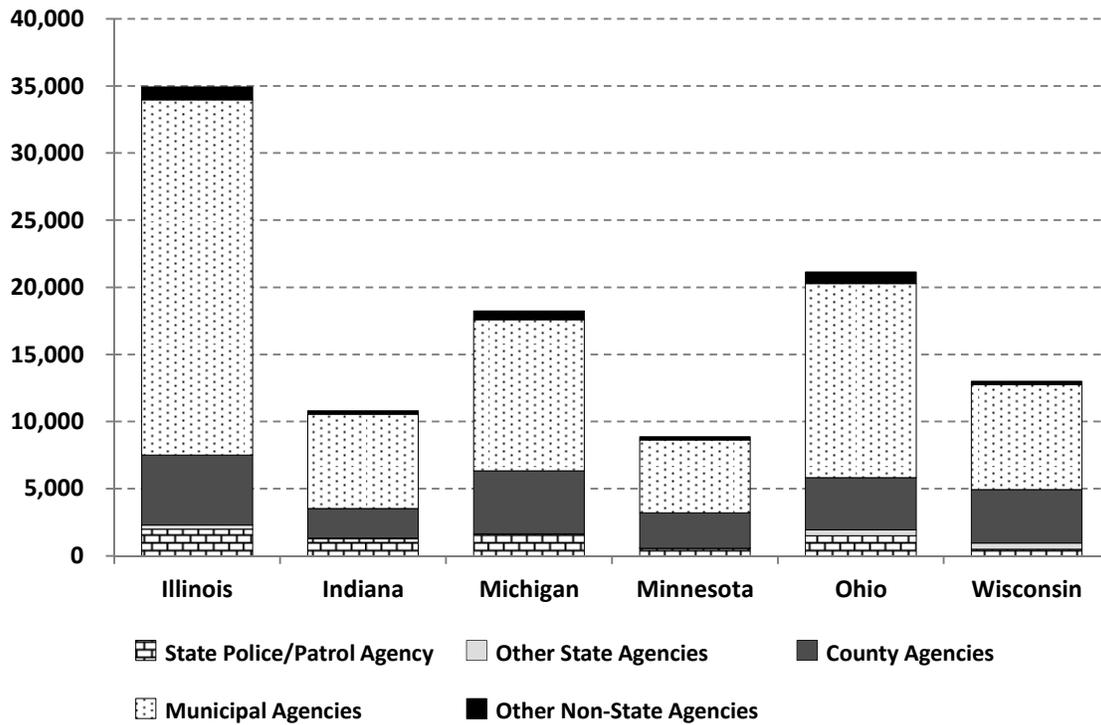
- The proportion of law enforcement officers employed by state police or patrol agencies averaged 6.9% overall, ranging from a high of 11.7% in Indiana to a low of 3.8% in Wisconsin, and was 9.0% in Michigan
- The proportion of officers employed by county agencies averaged 21.1%, ranging from a high of 30.6% in Wisconsin to a low of 14.9% in Illinois, and was 25.8% in Michigan
- The proportion of officers employed by municipal agencies averaged 67.8%, ranging from a high of 75.8% in Illinois to a low of 60.1% in Wisconsin, and was 61.6% in Michigan
- The combined proportion of officers employed by other state and non-state agencies averaged 4.2%, ranging from a high of 6.1% in Ohio to a low of 2.7% in Minnesota, and was 3.6% in Michigan

---

<sup>9</sup> In 1930, Congress authorized the collection and classification of crime and related records (28 USC § 534); the FBI primarily implements this mandate via the UCR Program, under which the annual Crime in the United States report is published, containing the data concerning the number of law enforcement employees described and discussed below. States may operate their own UCR programs, subject to federal standards, to collect and submit crime-related data to the FBI; among the Great Lakes States, Illinois, Michigan, Minnesota, and Wisconsin operate such programs, whereas the FBI directly collects data from local law enforcement agencies within Indiana and Ohio. Michigan's UCR Program is implemented by the MSP pursuant to 1968 PA 319, which mandates that county and municipal law enforcement agencies submit monthly crime-related reports, while permitting such submissions from agencies organized under other governmental entities.

Participation in the UCR Program is not consistently required under federal or state law; accordingly, the data are limited to only those which were voluntarily submitted to the FBI by state, local, and other law enforcement agencies, resulting in numerous and various instances of omitted or erroneous observations amongst reporting agencies and throughout the reporting period. In an exceptionally limited and select number of instances, HFA corrected or imputed specific values that were conspicuously omitted or unambiguously erroneous and for which more accurate values could be straightforwardly calculated, otherwise the data described herein are simply those values which were reported to the FBI. Consequently, abundant caution should be exercised when making comparisons, conjectures, and conclusions based upon these data, as the voluntary nature of the UCR Program engenders that omitted or erroneous values may not be entirely random. For instance, the data indicate substantial reductions in the number of officers employed within Illinois, Indiana, and Ohio beginning roughly around 2012; further detailed analysis of the data submitted by only municipal law enforcement agencies within those states  
*[continued on next page]*

**FIGURE 15**  
Composition of Officers among Great Lakes States (09-11 Avg.)



The composition of law enforcement officers among the Great Lakes States is exhibited by *Appendix VII*.

<sup>9cont.</sup> reveals that the proportion of agencies submitting employment data during a given year to agencies that had submitted data during any year from 2010 through 2014 declined from 96.1% to 37.1% in Illinois, 91.3% to 63.4% in Indiana, and 92.0% to 28.2% in Ohio, over that period.

Due to the varied service requirements and responsibilities assumed by differing law enforcement agencies as well as the distinctive demographic and idiosyncratic institutional characteristics of diverse jurisdictions, direct comparisons between the employment levels of different agencies among dissimilar states should be attenuated with abundant caution. Specifically, the statutory duties of and sanctioned demands made upon the MSP may differ considerably from those of and upon the state police or patrol agencies among other Great Lakes States, and the same circumstance may exist for other types of state and local law enforcement agencies.

As used throughout this discussion, "state police/patrol agency" includes officers employed by the primary state-level law enforcement and traffic safety agency; "other state agencies" includes officers employed by state-level agencies other than the primary state-level law enforcement and traffic safety agency (much variation in these agencies among the states); "county agencies" includes officers employed by county-level (metropolitan and nonmetropolitan) agencies; "municipal agencies" includes officers employed by municipal-level (i.e., cities and towns) agencies; and "other non-state agencies" includes officers employed by agencies not otherwise included within state-, county-, or municipal-level agencies (e.g., airports and railroads, colleges and universities, parks and preserves, and tribal authorities).

For the purposes of the reporting law enforcement employment records, the UCR Program defines "law enforcement officers" as sworn personnel employed on a full-time basis who ordinarily carry a firearm and a badge, have full arrest powers, and are paid from governmental funds set aside specifically to pay for law enforcement. The employment records submitted to the FBI are counts of officers on law enforcement agencies' payroll as of October 31st of a given reporting year.

HFA was able to access UCR data submitted from 1995 through 2014. However, data for the years 2012 through 2014 are excluded from the discussions concerning the composition and total employment of law enforcement officers due to manifestly omitted data resultant from a material lack of reporting by local law enforcement agencies within Illinois, Indiana, and Ohio.

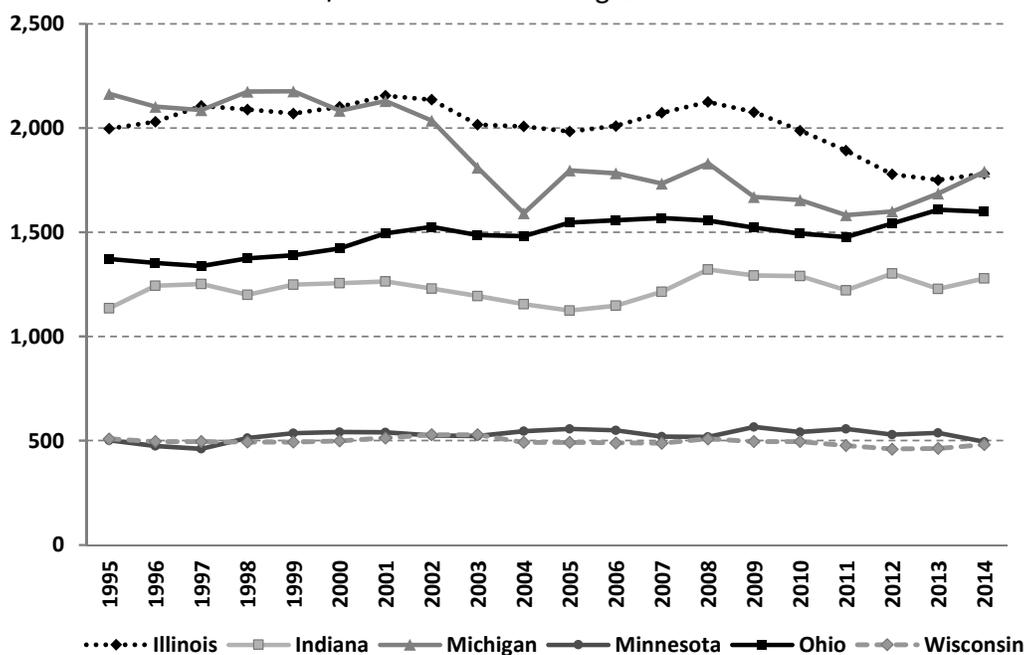
## Employment of State Police or Patrol Officers among Great Lakes States

State police or patrol officers are those employed by each state's chief law enforcement and/or traffic safety agency. Caution should be exercised when making comparisons between UCR data submitted by state-level police or patrol agencies as the varied requirements for and responsibilities of each state agency differs across the Great Lakes States. In some states (i.e., Illinois, Indiana, Michigan), a single state-level police agency performs a broad range of criminal justice and public safety services, including promoting traffic safety, whereas in other states (i.e., Minnesota, Ohio, Wisconsin), the chief state-level agency is primarily responsible for patrolling the state's major thoroughfares, while other state or local agencies provide investigative and ancillary policing duties. In either case, the particular duties of a given state police or patrol agency may diverge considerably.

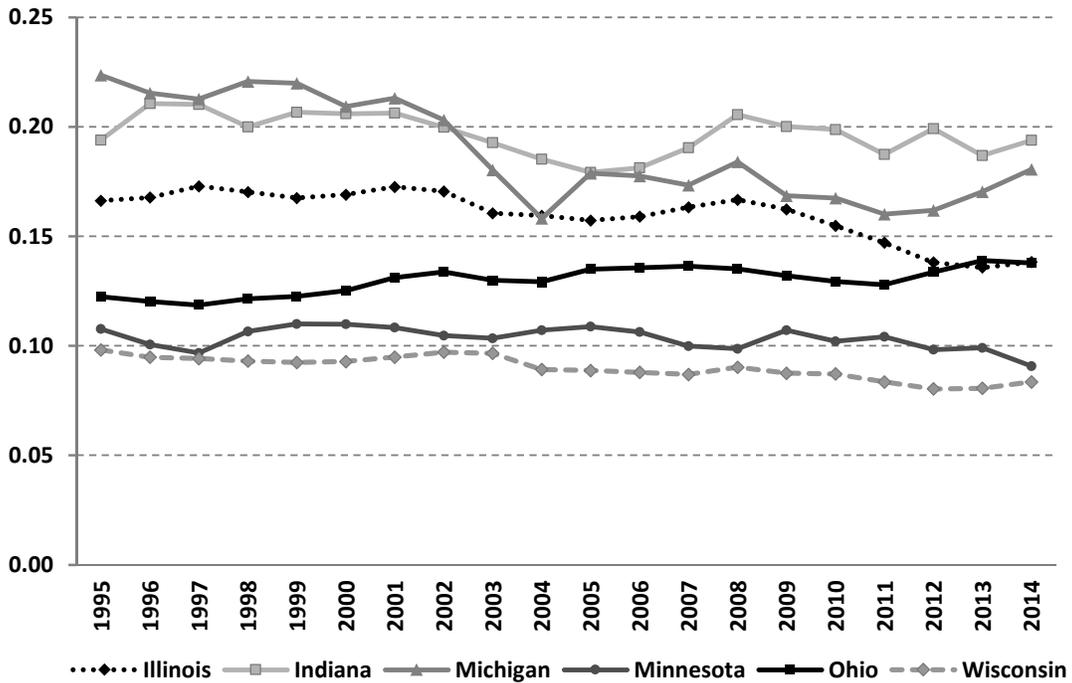
While acknowledging these considerations and limitations, this analysis will describe the number of officers employed by the MSP along with averages calculated from combined employment data submitted by state police or patrol agencies from the Great Lakes States (**Figure 16**). In order to calculate the change in the number of state police or patrol officers employed among the Great Lakes States and partially mitigate the potential adverse effects of UCR data limitations, three-year averages of the numbers of officers employed during the periods 1995 through 1997 and 2012 through 2014 are utilized. Between those two periods, the number of officers employed by the MSP declined by 20.1% to a three-year average of 1,692 officers. Adjusted for changes in population utilizing U.S. Census data, the average number per 1,000 residents declined 21.3% to 0.17 officers, while the average number per ten square miles of land area declined to 0.30. Combined employment data submitted by all of the state police or patrol agencies among the Great Lakes States results in an overall decline of 5.2% to a three-year average of 1,217 officers. In terms of population the decline was 11.0% to an average of 0.14 officers per 1,000 residents (**Figure 17**), while in terms of land area the average number declined to 0.23 officers per ten square miles. (**Figure 18**)

**FIGURE 16**

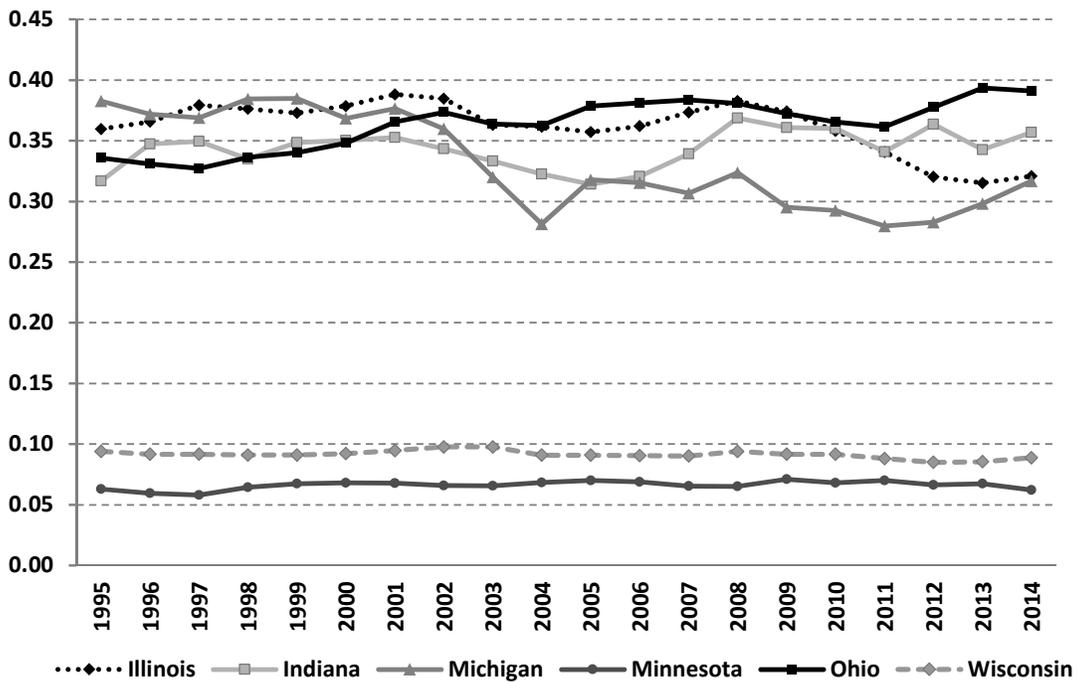
State Police/Patrol Officers among Great Lakes States



**FIGURE 17**  
State Police/Patrol Officers among Great Lakes States  
per 1,000 People



**FIGURE 18**  
State Police/Patrol Officers among Great Lakes States  
per 10 Sq. Miles

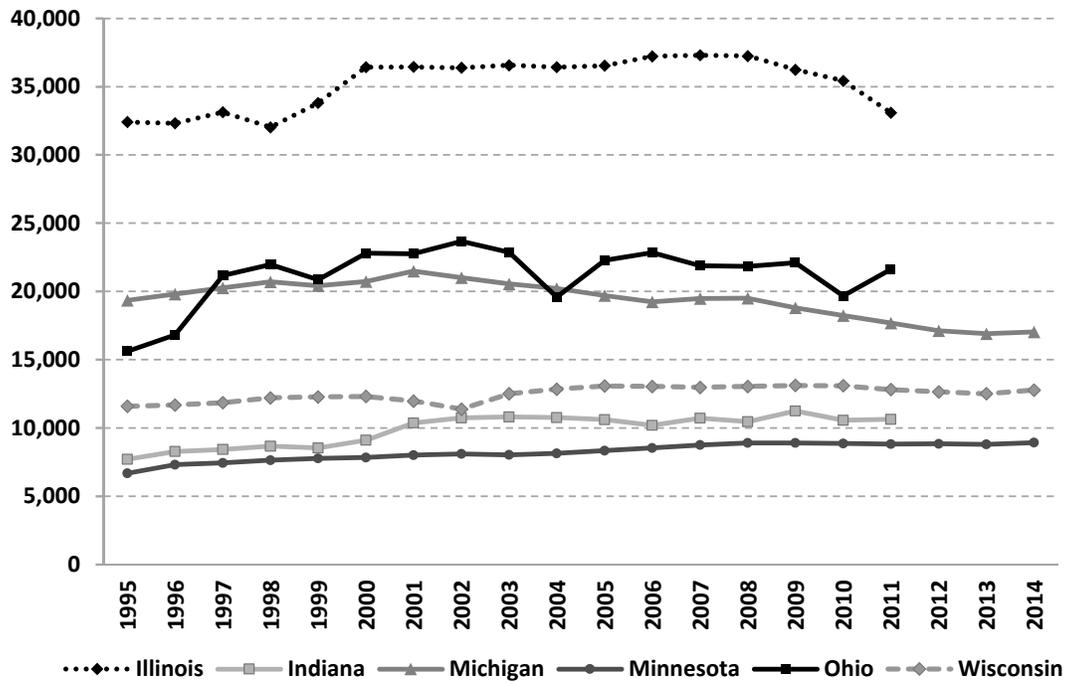


The employment of state police or patrol officers among the Great Lakes States is exhibited by *Appendix VII*.

Total Employment of Law Enforcement Officers among Great Lakes States

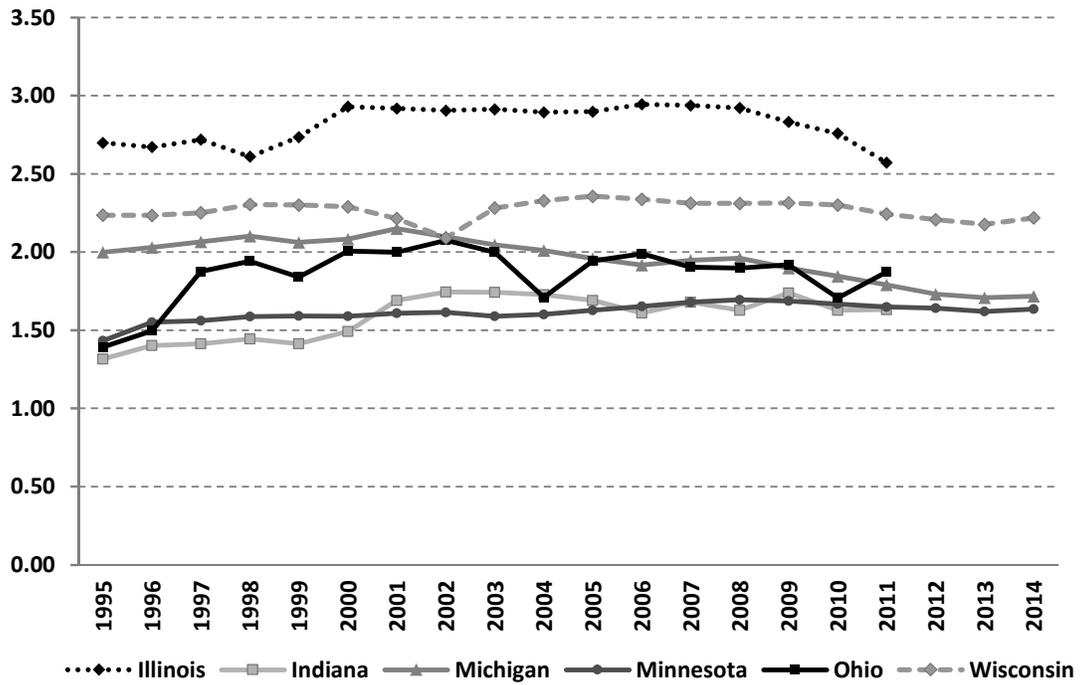
Lastly, the following analysis describes the total number of officers employed by all law enforcement agencies within Michigan along with averages calculated from combined employment data submitted by all law enforcement agencies from the Great Lakes States (**Figure 19**). Three-year averages of the numbers of officers employed during the periods 1995 through 1997 and 2009 through 2011 are utilized to calculate the change in the number of total officers employed among the Great Lakes States and mitigate the potential effects of data limitations.<sup>10</sup> Between those two periods, the total number of officers employed by all law enforcement agencies within Michigan decreased by 7.9% to a three-year average of 18,238 officers. Adjusted for changes in population utilizing U.S. Census data, the average number per 1,000 residents decreased 9.2% to 1.84 officers, while the average number per ten square miles of land area decreased to 3.23. Combining employment data submitted by all law enforcement agencies among the Great Lakes States shows an overall increase of 10.0% to a three-year average of 17,829 total officers. In terms of population, the increase was 4.0% to an average of 2.07 officers per 1,000 residents (**Figure 20**), while in terms of land area the average number increased to 3.32 officers per ten square miles (**Figure 21**).

**FIGURE 19**  
Total Law Enforcement Officers among Great Lakes States

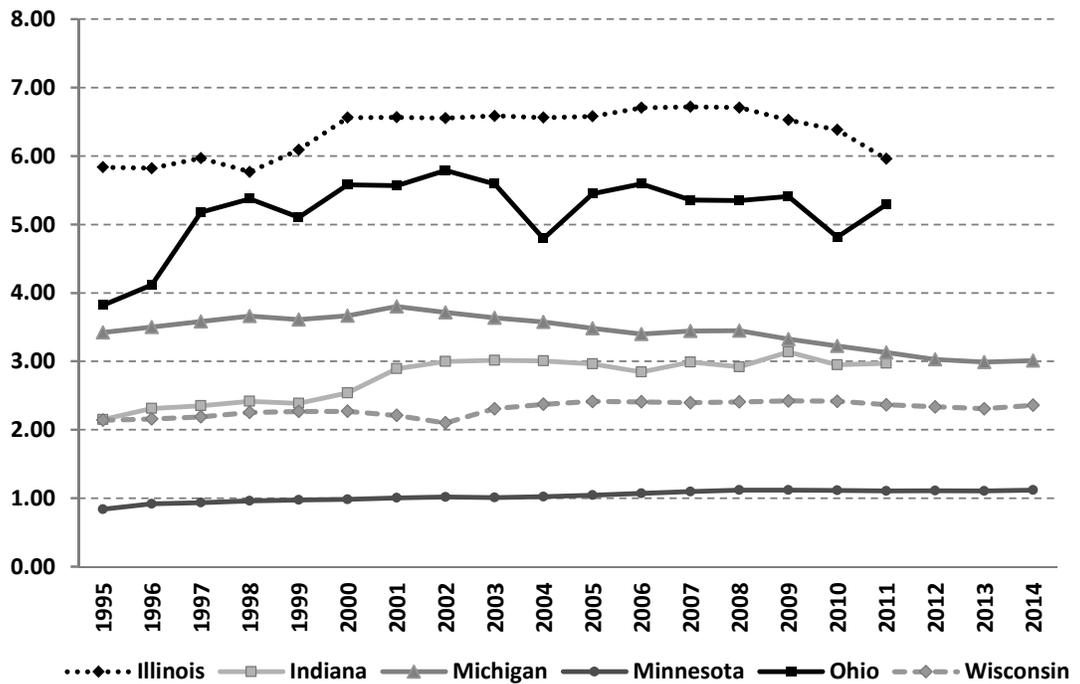


<sup>10</sup> Again, UCR data for the years 2012 through 2014 are excluded from this discussion due to manifestly omitted data resultant from a material lack of reporting by local law enforcement agencies within Illinois, Indiana, and Ohio; detailed analysis of the data submitted by only municipal law enforcement agencies within those states reveals that the proportion of agencies submitting employment data during a given year to agencies that had submitted data during any year from 2010 through 2014 declined from 96.1% to 37.1% in Illinois, 91.3% to 63.4% in Indiana, and 92.0% to 28.2% in Ohio, over that period.

**FIGURE 20**  
Total Law Enforcement Officers among Great Lakes States  
per 1,000 People



**FIGURE 21**  
Total Law Enforcement Officers among Great Lakes States  
per 10 Sq. Miles



The employment of all law enforcement officers among the Great Lakes States is exhibited by *Appendix VII*.

---

## CONCLUSION

---

As described and discussed throughout this memo, the counts and composition of law enforcement officers employed by state and local law enforcement agencies within Michigan and among the Great Lakes States have significantly fluctuated over the past fifteen to twenty-five years. According to data provided by the MSP, the total number of enlisted officers remained relatively stable during the 1990s, significantly declined over the 2000s, and has partially rebounded since 2010. According to data provided by the MCOLES, the total number of law enforcement officers within Michigan steadily declined from 2001 through 2014, although officer counts for county agencies actually increased. According to UCR data provided by the FBI, the average number of officers employed by all types of agencies among the Great Lakes States rose into the mid-aughts before leveling off by 2010.



---

# APPENDICES

---



# APPENDIX I

## Composition and Assignment of MSP Enlisted Ranks during 2015

Bureau/Division	Recruit	Trooper	Sergeant	Lieutenant	First Lieutenant	Inspector	Captain	Executive Command	TOTAL
Director's Office	0	0	2	8	1	1	1	1	14
Special Operations Division	0	2	22	4	3	0	1	0	32
<b>Office of the Director</b>	<b>0</b>	<b>2</b>	<b>24</b>	<b>12</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>46</b>
Communications	0	0	4	0	1	0	0	0	5
Criminal Justice Information Center	0	3	2	1	1	0	0	0	7
Grants & Community Service Division	0	0	2	0	1	0	0	0	3
<b>Administrative Services Bureau</b>	<b>0</b>	<b>3</b>	<b>8</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
State Services Bureau	0	0	2	0	1	1	0	1	5
Biometrics & Identification Division	0	3	8	2	1	1	0	0	15
Forensic Science Division	0	1	27	10	7	2	1	0	48
Training Division	0	1	23	2	3	0	1	0	30
<b>State Services Bureau</b>	<b>0</b>	<b>5</b>	<b>60</b>	<b>14</b>	<b>12</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>98</b>
Field Services Bureau	0	0	1	0	0	2	0	1	4
First District	0	143	47	9	7	1	1	0	208
Second District	0	196	53	14	7	2	1	0	273
Third District	0	235	64	10	9	2	1	0	321
Fifth District	0	145	41	5	5	1	1	0	198
Sixth District	0	144	43	8	7	1	1	0	204
Seventh District	0	123	38	5	3	1	1	0	171
Eighth District	0	129	40	1	8	1	1	0	180
Special Investigation Division	0	9	18	3	3	1	1	0	35
<b>Field Services Bureau</b>	<b>0</b>	<b>1,124</b>	<b>345</b>	<b>55</b>	<b>49</b>	<b>12</b>	<b>8</b>	<b>1</b>	<b>1,594</b>
Specialized Services Bureau	0	0	0	0	0	0	0	1	1
Commercial Vehicle Enforcement Division	0	0	0	0	0	0	1	0	1
Emergency Mgmt. & Homeland Security Div.	0	0	1	8	1	0	1	0	11
Intelligence Operations Division	0	11	17	8	3	1	1	0	41
<b>Specialized Services Bureau</b>	<b>0</b>	<b>11</b>	<b>18</b>	<b>16</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>54</b>
<b>Total Enlisted Ranks</b>	<b>0</b>	<b>1,145</b>	<b>455</b>	<b>98</b>	<b>72</b>	<b>18</b>	<b>15</b>	<b>4</b>	<b>1,807</b>

NOTE: "Executive Command" includes the Colonel (i.e., Director of MSP), Lieutenant Colonels, and Majors; however, the rank of Major is not currently utilized and was most recently held in 2011.

SOURCE: Department of State Police, Departmental Services Division, Budget Section, Strength Report, Enlisted Positions - By Division By Rank, Pay Period 21, 10/10/2015.



# APPENDIX II

## Historical Composition of MSP Enlisted Ranks

Rank	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Recruit	0	0	0	88	83	81	0	80	55	124	153	0	0	0	94	0	0	0	94	0	0	0	81	65	83	0
Trooper	1,314	1,259	1,143	1,038	1,106	1,279	1,326	1,231	1,356	1,293	1,287	1,331	1,248	1,155	1,073	1,115	1,087	1,069	1,041	993	1,022	1,009	933	1,018	1,086	1,145
Sergeant	602	575	557	534	526	538	532	523	502	500	523	536	532	492	487	478	476	479	475	461	455	414	415	419	444	455
Lieutenant	162	138	130	126	134	131	115	120	122	122	124	125	125	100	92	89	93	87	88	93	91	80	88	94	90	98
First Lieutenant	133	126	119	117	117	119	115	110	108	111	107	108	103	95	95	97	105	94	92	96	82	70	65	66	69	72
Inspector	19	18	16	18	18	18	18	18	19	18	18	19	18	18	12	16	15	12	15	15	14	14	17	18	16	18
Captain	18	18	16	17	18	18	18	17	18	19	19	17	18	13	16	16	16	15	15	15	11	12	11	14	15	15
Executive Command	7	4	4	4	4	4	4	4	4	5	5	5	4	5	4	6	6	5	6	6	4	3	3	4	4	4
<b>Total Enlisted Ranks</b>	<b>2,255</b>	<b>2,138</b>	<b>1,985</b>	<b>1,942</b>	<b>2,006</b>	<b>2,188</b>	<b>2,128</b>	<b>2,103</b>	<b>2,184</b>	<b>2,192</b>	<b>2,236</b>	<b>2,141</b>	<b>2,048</b>	<b>1,878</b>	<b>1,873</b>	<b>1,817</b>	<b>1,798</b>	<b>1,761</b>	<b>1,826</b>	<b>1,679</b>	<b>1,679</b>	<b>1,602</b>	<b>1,613</b>	<b>1,698</b>	<b>1,807</b>	<b>1,807</b>

NOTE: "Executive Command" includes the Colonel (i.e., Director of MSP), Lieutenant Colonels, and Majors; however, the rank of Major is not currently utilized and was most recently held in 2011.

SOURCES: Department of State Police, Departmental Services Division, Budget Section, Strength Report, Enlisted Positions, Pay Period 21, 1991 through 2016. U.S. Census Bureau, Intercensal Estimates of Population by County, 1990-2000; U.S. Census Bureau, Intercensal Estimates of Population by County, 2000-2010; U.S. Census Bureau, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2014; and HFA preliminary population estimate for 2015. U.S. Census Bureau, 2010 Census.



# APPENDIX III

## Admissions to and Graduations from Trooper Recruit Schools

School	Dates	Admitted	Graduated																								Total	Graduation Rate			
			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013			2014	2015	2016
106th	08/20/89-12/21/90	93	74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	74	79.6%		
107th	01/21/90-05/25/90	152	119	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	119	78.3%		
108th	06/06/93-10/22/93	97	--	--	--	88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88	90.7%		
109th	04/24/94-08/12/94	75	--	--	--	--	69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	69	92.0%		
110th	09/11/94-01/06/95	92	--	--	--	--	--	81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81	88.0%		
111th	01/15/95-05/12/95	100	--	--	--	--	--	88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88	88.0%		
112th	05/21/95-09/15/95	104	--	--	--	--	--	87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87	83.7%		
113th	09/24/95-02/02/96	85	--	--	--	--	--	--	68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	68	80.0%		
114th	03/10/96-07/12/96	85	--	--	--	--	--	--	72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72	84.7%		
115th	06/29/97-10/31/97	101	--	--	--	--	--	--	--	78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78	77.2%		
116th	03/22/98-07/24/98	110	--	--	--	--	--	--	--	--	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94	85.5%		
117th	08/23/98-01/08/99	120	--	--	--	--	--	--	--	--	--	96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	96	80.0%		
118th	07/25/99-12/03/99	153	--	--	--	--	--	--	--	--	--	119	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	119	77.8%		
119th	07/17/00-02/03/01	166	--	--	--	--	--	--	--	--	--	--	142	--	--	--	--	--	--	--	--	--	--	--	--	--	--	142	85.5%		
120th	07/18/04-12/02/04	110	--	--	--	--	--	--	--	--	--	--	--	89	--	--	--	--	--	--	--	--	--	--	--	--	--	89	80.9%		
121st	08/10/08-12/19/08	101	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	83	--	--	--	--	--	--	--	--	83	82.2%		
122nd	12/26/10-05/13/11	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35	--	--	--	--	--	35	92.1%		
123rd	06/10/12-10/19/12	92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78	--	--	--	--	78	84.8%		
124th	10/28/12-03/15/13	114	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90	--	--	--	90	78.9%		
125th	05/12/13-10/04/13	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65	--	--	--	65	81.3%		
126th	01/05/14-05/30/14	115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82	--	--	82	71.3%		
127th	06/08/14-10/31/14	98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80	--	--	80	81.6%		
128th	03/01/15-07/24/15	87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	62	--	62	71.3%		
129th	06/05/16-10/28/16	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88	88	80.0%		
<b>Total</b>		<b>2,478</b>	<b>193</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>69</b>	<b>256</b>	<b>140</b>	<b>78</b>	<b>94</b>	<b>215</b>	<b>0</b>	<b>142</b>	<b>0</b>	<b>0</b>	<b>89</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>78</b>	<b>155</b>	<b>162</b>	<b>62</b>	<b>88</b>	<b>2,027</b>	<b>81.8%</b>

NOTES: Trooper recruit schools are identified by the ordinal number that describes their position relative to preceding schools. Recruits are employed by the MSP upon admission and assigned to a MSP post as troopers upon graduation, yet may subsequently be discharged as a result of insufficient funding or inadequate performance. Admissions and graduations are recorded during the year in which each school's graduation day occurred.

SOURCE: Adapted from "Recruit School History" spreadsheet compiled by the MSP, current to 10/22/2015, and supplemented with additional information provided by the MSP during FY 2015-16 budget development.



# APPENDIX IV

## Counties Predominately Encompassed within MSP Districts

MSP District	1990-1991	1992	1993-2006	2007-2010	2011-2015
<b>First District</b>	Clinton	Branch	Clinton	Clinton	Clinton
	Eaton	Calhoun	Eaton	Eaton	Eaton
	Gratiot	Clinton	Gratiot	Gratiot	Hillsdale
	Ingham	Eaton	Hillsdale	Hillsdale	Ingham
	Ionia	Gratiot	Ingham	Ingham	Jackson
	Livingston	Hillsdale	Jackson	Jackson	Lenawee
	Shiawassee	Ingham	Lenawee	Lenawee	Livingston
		Ionia	Livingston	Monroe	
		Jackson	Shiawassee	Washtenaw	
		Lenawee			
		Livingston			
		Shiawassee			
<b>Second District</b>	Macomb	Macomb	Macomb	Macomb	Macomb
	Monroe	Monroe	Monroe	Monroe	Oakland
	Oakland	Oakland	Oakland	Oakland	Wayne
	St. Clair	St. Clair	St. Clair	St. Clair	
	Washtenaw	Washtenaw	Washtenaw	Washtenaw	
Wayne	Wayne	Wayne	Wayne		
<b>Third District</b>	Arenac	Arenac	Arenac	Arenac	Arenac
	Bay	Bay	Bay	Bay	Bay
	Genesee	Genesee	Genesee	Clare	Genesee
	Gladwin	Gladwin	Gladwin	Genesee	Gladwin
	Huron	Huron	Huron	Gladwin	Huron
	Iosco	Iosco	Iosco	Huron	Iosco
	Lapeer	Lapeer	Lapeer	Iosco	Lapeer
	Midland	Midland	Midland	Isabella	Midland
	Ogemaw	Ogemaw	Ogemaw	Lapeer	Ogemaw
	Saginaw	Saginaw	Saginaw	Midland	St. Clair
	Sanilac	Sanilac	Sanilac	Ogemaw	Saginaw
	Tuscola	Tuscola	Tuscola	Saginaw	Sanilac
			Sanilac	Shiawassee	
			Tuscola	Tuscola	
<b>Fourth District</b>	Branch				
	Calhoun				
	Hillsdale				
	Jackson				
	Lenawee				
<b>Fifth District</b>	Allegan	Allegan	Allegan	Barry	Allegan
	Barry	Barry	Barry	Berrien	Barry
	Berrien	Berrien	Berrien	Branch	Berrien
	Cass	Cass	Branch	Calhoun	Branch
	Kalamazoo	Kalamazoo	Calhoun	Cass	Calhoun
	St. Joseph	St. Joseph	Cass	Kalamazoo	Cass
	Van Buren	Van Buren	Kalamazoo	St. Joseph	Kalamazoo
			St. Joseph	Van Buren	St. Joseph
		Van Buren		Van Buren	

[continued on next page]

**Counties Predominately Encompassed within MSP Districts cont.**

<b>MSP District</b>	<b>1990-1991</b>	<b>1992</b>	<b>1993-2006</b>	<b>2007-2010</b>	<b>2011-2015</b>
<b>Sixth District</b>	Clare	Clare	Clare	Allegan	Clare
	Isabella	Isabella	Ionia	Ionia	Gratiot
	Kent	Kent	Isabella	Kent	Ionia
	Lake	Lake	Kent	Lake	Isabella
	Mason	Mason	Lake	Mason	Kent
	Mecosta	Mecosta	Mason	Mecosta	Lake
	Montcalm	Montcalm	Mecosta	Montcalm	Mason
	Muskegon	Muskegon	Montcalm	Muskegon	Mecosta
	Newaygo	Newaygo	Muskegon	Newaygo	Montcalm
	Oceana	Oceana	Newaygo	Oceana	Muskegon
	Osceola	Osceola	Oceana	Osceola	Newaygo
	Ottawa	Ottawa	Ottawa	Ottawa	Oceana
				Ottawa	
<b>Seventh District</b>	Alcona	Alcona	Alcona	Alcona	Alcona
	Alpena	Alpena	Alpena	Alpena	Alpena
	Antrim	Antrim	Antrim	Antrim	Antrim
	Benzie	Benzie	Benzie	Benzie	Benzie
	Charlevoix	Charlevoix	Charlevoix	Charlevoix	Charlevoix
	Cheboygan	Cheboygan	Cheboygan	Cheboygan	Cheboygan
	Crawford	Crawford	Crawford	Crawford	Crawford
	Emmet	Emmet	Emmet	Emmet	Emmet
	Grand Traverse	Grand Traverse	Grand Traverse	Grand Traverse	Grand Traverse
	Kalkaska	Kalkaska	Kalkaska	Kalkaska	Kalkaska
	Leelanau	Leelanau	Leelanau	Leelanau	Leelanau
	Manistee	Manistee	Manistee	Manistee	Manistee
	Missaukee	Missaukee	Missaukee	Missaukee	Missaukee
	Montmorency	Montmorency	Montmorency	Montmorency	Montmorency
	Oscoda	Oscoda	Oscoda	Oscoda	Oscoda
	Otsego	Otsego	Otsego	Otsego	Otsego
	Presque Isle	Presque Isle	Presque Isle	Presque Isle	Presque Isle
	Roscommon	Roscommon	Roscommon	Roscommon	Roscommon
Wexford	Wexford	Wexford	Wexford	Wexford	
<b>Eighth District</b>	Alger	Alger	Alger	Alger	Alger
	Baraga	Baraga	Baraga	Baraga	Baraga
	Chippewa	Chippewa	Chippewa	Chippewa	Chippewa
	Delta	Delta	Delta	Delta	Delta
	Dickinson	Dickinson	Dickinson	Dickinson	Dickinson
	Gogebic	Gogebic	Gogebic	Gogebic	Gogebic
	Houghton	Houghton	Houghton	Houghton	Houghton
	Iron	Iron	Iron	Iron	Iron
	Keweenaw	Keweenaw	Keweenaw	Keweenaw	Keweenaw
	Luce	Luce	Luce	Luce	Luce
	Mackinac	Mackinac	Mackinac	Mackinac	Mackinac
	Marquette	Marquette	Marquette	Marquette	Marquette
	Menominee	Menominee	Menominee	Menominee	Menominee
	Ontonagon	Ontonagon	Ontonagon	Ontonagon	Ontonagon
	Schoolcraft	Schoolcraft	Schoolcraft	Schoolcraft	Schoolcraft

NOTES: Because the boundaries of MSP districts do not precisely coincide with county boundaries, the counties included within each MSP district are those that are predominately encompassed within the district. The counties included within each MSP district during the years preceding 1995 are estimated by HFA based on MSP Strength Reports and narrative descriptions published within MSP Annual Reports since district maps were not published within the reports for those years.

SOURCES: District maps were directly provided to HFA from the MSP for the years subsequent to 2001; district maps were included within MSP Annual Reports for the years 1995 through 2001; HFA estimated the counties encompassed within each MSP district for the years preceding 1995 based on MSP Strength Reports and narrative descriptions published within MSP Annual Reports.

# APPENDIX V

## Historical Deployment of MSP Enlisted Ranks within MSP Districts

MSP District	Rank	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
First District	At-Post Troopers	106	94	174	110	129	143	150	138	140	139	129	141	131	125	114	115	113	115	110	105	110	128	116	113	123	129
	per 1,000 Pop	0.15	0.13	0.14	0.11	0.13	0.15	0.15	0.14	0.14	0.14	0.13	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.08	0.08	0.08	0.09
	per 10 SqMi	0.27	0.24	0.24	0.20	0.24	0.26	0.28	0.26	0.26	0.26	0.24	0.26	0.24	0.23	0.21	0.21	0.21	0.21	0.20	0.19	0.20	0.23	0.21	0.20	0.22	0.23
	All Enlisted Ranks	159	141	259	169	190	209	212	196	192	191	184	210	204	186	177	182	161	177	167	161	172	178	178	182	205	208
	per 1,000 Pop	0.22	0.19	0.22	0.17	0.19	0.21	0.21	0.20	0.19	0.19	0.18	0.20	0.20	0.18	0.17	0.17	0.15	0.16	0.16	0.15	0.16	0.12	0.12	0.12	0.14	0.14
per 10 SqMi	0.40	0.36	0.36	0.31	0.35	0.39	0.39	0.36	0.35	0.35	0.34	0.39	0.38	0.34	0.33	0.34	0.30	0.33	0.31	0.30	0.32	0.32	0.32	0.33	0.37	0.37	
Second District	At-Post Troopers	342	319	276	254	240	253	251	258	276	266	271	273	242	218	201	230	225	215	209	189	170	100	100	109	138	157
	per 1,000 Pop	0.08	0.07	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.04	0.04
	per 10 SqMi	0.87	0.81	0.70	0.65	0.61	0.64	0.64	0.66	0.70	0.68	0.69	0.69	0.61	0.55	0.51	0.58	0.57	0.55	0.53	0.48	0.43	0.51	0.51	0.56	0.70	0.80
	All Enlisted Ranks	468	425	377	353	338	373	370	372	385	379	382	368	355	310	291	320	295	277	273	252	229	126	133	221	257	273
	per 1,000 Pop	0.10	0.09	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.05	0.03	0.03	0.06	0.07	0.07
per 10 SqMi	1.19	1.08	0.96	0.90	0.86	0.95	0.94	0.95	0.98	0.96	0.97	0.94	0.90	0.79	0.74	0.81	0.75	0.70	0.69	0.64	0.58	0.64	0.68	1.13	1.31	1.39	
Third District	At-Post Troopers	178	169	150	134	147	181	191	173	180	174	172	186	174	161	146	156	149	167	164	151	152	188	169	192	207	212
	per 1,000 Pop	0.16	0.15	0.13	0.12	0.13	0.16	0.17	0.15	0.16	0.15	0.15	0.16	0.15	0.14	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.14	0.13	0.14	0.16	0.16
	per 10 SqMi	0.23	0.22	0.20	0.18	0.19	0.24	0.25	0.23	0.24	0.23	0.23	0.24	0.23	0.21	0.19	0.20	0.20	0.19	0.19	0.17	0.17	0.21	0.19	0.22	0.23	0.24
	All Enlisted Ranks	265	249	226	211	220	264	272	252	261	250	258	227	213	196	216	230	208	235	239	223	231	261	260	293	318	321
	per 1,000 Pop	0.24	0.22	0.20	0.19	0.19	0.23	0.24	0.22	0.23	0.22	0.22	0.20	0.18	0.17	0.19	0.20	0.18	0.19	0.19	0.18	0.19	0.19	0.19	0.22	0.24	0.24
per 10 SqMi	0.35	0.33	0.30	0.28	0.29	0.35	0.36	0.33	0.34	0.33	0.34	0.30	0.28	0.26	0.28	0.30	0.27	0.27	0.27	0.25	0.26	0.29	0.29	0.33	0.36	0.36	
Fourth District	At-Post Troopers	98	95	NA																							
	per 1,000 Pop	0.21	0.20	NA																							
	per 10 SqMi	0.30	0.29	NA																							
	All Enlisted Ranks	145	137	NA																							
	per 1,000 Pop	0.31	0.29	NA																							
per 10 SqMi	0.44	0.42	NA																								
Fifth District	At-Post Troopers	138	132	118	132	144	189	193	174	184	174	176	191	178	163	154	159	156	139	129	123	125	111	131	138	129	135
	per 1,000 Pop	0.20	0.19	0.17	0.15	0.16	0.21	0.21	0.19	0.20	0.19	0.19	0.20	0.19	0.17	0.16	0.17	0.16	0.17	0.15	0.15	0.15	0.12	0.14	0.15	0.14	0.14
	per 10 SqMi	0.34	0.32	0.29	0.25	0.27	0.36	0.36	0.33	0.35	0.33	0.33	0.36	0.33	0.31	0.29	0.30	0.29	0.31	0.29	0.27	0.28	0.21	0.25	0.26	0.24	0.25
	All Enlisted Ranks	198	187	169	196	208	254	254	235	247	233	235	254	239	219	208	215	210	192	180	172	179	152	191	200	196	198
	per 1,000 Pop	0.28	0.26	0.24	0.22	0.23	0.28	0.28	0.25	0.27	0.25	0.25	0.27	0.25	0.23	0.22	0.23	0.22	0.23	0.21	0.21	0.21	0.16	0.20	0.21	0.21	0.21
per 10 SqMi	0.48	0.46	0.41	0.37	0.39	0.48	0.48	0.44	0.46	0.44	0.44	0.48	0.45	0.41	0.39	0.40	0.39	0.43	0.40	0.38	0.40	0.29	0.36	0.38	0.37	0.37	

[continued on next page]

### Historical Deployment of MSP Enlisted Ranks within MSP Districts cont.

MSP District	Rank	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Sixth District	At-Post Troopers	131	128	113	112	134	156	164	147	150	149	148	153	143	133	126	127	126	109	135	124	124	165	117	128	127	135
	per 1,000 Pop	0.12	0.11	0.10	0.09	0.11	0.12	0.13	0.11	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.09	0.09	0.07	0.09	0.09	0.08	0.11	0.08	0.08	0.08	0.09
	per 10 SqMi	0.18	0.18	0.16	0.14	0.17	0.20	0.21	0.19	0.19	0.19	0.19	0.20	0.18	0.17	0.16	0.16	0.16	0.14	0.18	0.16	0.16	0.20	0.14	0.15	0.15	0.16
	All Enlisted Ranks	189	183	164	170	191	223	236	216	221	219	222	228	215	201	189	189	175	163	195	185	190	230	178	192	197	204
	per 1,000 Pop	0.17	0.16	0.14	0.14	0.15	0.17	0.18	0.16	0.16	0.16	0.16	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.13	0.13	0.13	0.15	0.12	0.13	0.13	0.13
per 10 SqMi	0.26	0.25	0.23	0.22	0.24	0.28	0.30	0.28	0.28	0.28	0.28	0.29	0.27	0.26	0.24	0.24	0.22	0.22	0.26	0.25	0.25	0.27	0.21	0.23	0.23	0.24	
Seventh District	At-Post Troopers	128	125	117	109	124	144	158	144	154	148	147	153	144	135	131	130	132	152	129	125	117	115	97	110	109	116
	per 1,000 Pop	0.34	0.33	0.30	0.27	0.31	0.35	0.38	0.34	0.35	0.33	0.33	0.34	0.31	0.29	0.28	0.28	0.28	0.33	0.28	0.27	0.26	0.25	0.21	0.24	0.24	0.25
	per 10 SqMi	0.13	0.12	0.12	0.11	0.12	0.14	0.16	0.14	0.15	0.15	0.15	0.15	0.14	0.13	0.13	0.13	0.13	0.15	0.13	0.12	0.12	0.11	0.10	0.11	0.11	0.12
	All Enlisted Ranks	190	186	176	166	182	210	224	205	218	209	213	222	210	191	191	191	183	213	183	178	175	165	151	169	166	171
	per 1,000 Pop	0.51	0.49	0.45	0.42	0.45	0.51	0.53	0.48	0.50	0.47	0.47	0.49	0.46	0.41	0.41	0.41	0.39	0.46	0.39	0.39	0.38	0.36	0.33	0.37	0.36	0.37
per 10 SqMi	0.19	0.19	0.18	0.17	0.18	0.21	0.22	0.20	0.22	0.21	0.21	0.22	0.21	0.19	0.19	0.19	0.18	0.21	0.18	0.18	0.17	0.16	0.15	0.17	0.17	0.17	
Eighth District	At-Post Troopers	141	144	140	131	139	149	149	141	143	141	150	156	148	142	133	130	130	133	125	125	126	120	115	111	118	124
	per 1,000 Pop	0.45	0.45	0.44	0.41	0.43	0.47	0.47	0.45	0.45	0.44	0.47	0.49	0.47	0.45	0.42	0.41	0.41	0.42	0.40	0.40	0.40	0.39	0.37	0.36	0.38	0.40
	per 10 SqMi	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.08
	All Enlisted Ranks	218	212	203	193	201	219	217	208	207	208	218	227	220	207	199	197	193	190	185	182	188	174	166	164	175	180
	per 1,000 Pop	0.69	0.67	0.64	0.60	0.63	0.69	0.69	0.66	0.65	0.66	0.69	0.72	0.70	0.66	0.63	0.63	0.61	0.61	0.59	0.58	0.60	0.56	0.53	0.53	0.57	0.59
per 10 SqMi	0.13	0.13	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.11	0.11	
Statewide Totals	At-Post Troopers	1,262	1,206	1,088	982	1,057	1,215	1,256	1,175	1,227	1,191	1,193	1,253	1,160	1,077	1,005	1,047	1,031	1,030	1,001	942	924	927	845	901	951	1,008
	per 1,000 Pop	0.14	0.13	0.11	0.10	0.11	0.13	0.13	0.12	0.12	0.12	0.12	0.13	0.12	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.10	0.10
	per 10 SqMi	0.22	0.21	0.19	0.17	0.19	0.21	0.22	0.21	0.22	0.21	0.21	0.22	0.21	0.19	0.18	0.19	0.18	0.18	0.18	0.17	0.16	0.16	0.15	0.16	0.17	0.18
	All Enlisted Ranks	1,832	1,720	1,574	1,458	1,530	1,752	1,785	1,684	1,731	1,689	1,712	1,736	1,656	1,510	1,471	1,524	1,425	1,447	1,422	1,353	1,364	1,286	1,257	1,421	1,514	1,555
	per 1,000 Pop	0.20	0.18	0.17	0.15	0.16	0.18	0.18	0.17	0.18	0.17	0.17	0.17	0.17	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.14	0.15
per 10 SqMi	0.32	0.30	0.28	0.26	0.27	0.31	0.32	0.30	0.31	0.30	0.30	0.31	0.29	0.27	0.26	0.27	0.25	0.26	0.25	0.24	0.24	0.23	0.22	0.25	0.27	0.28	

NOTES: "At-Post Troopers" perform general and traffic-related law enforcement duties while assigned to MSP posts and during road patrols within specified geographic areas and mostly exclude Detective and Specialist Troopers primarily engaged in criminal investigations or specialized MSP services. The boundaries of MSP districts were modified between 1991 and 1992, 1992 and 1993, 2006 and 2007, and between 2010 and 2011; accordingly, population and geographic data are adjusted to more accurately account for modified district boundaries.

SOURCES: Department of State Police, Departmental Services Division, Budget Section, Strength Report, Field Personnel/Uniform At-Post, Pay Period 21, 1991 through 2016. U.S. Census Bureau, Intercensal Estimates of Population by County, 1990-2000; U.S. Census Bureau, Intercensal Estimates of Population by County, 2000-2010; U.S. Census Bureau, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2014; and HFA preliminary population estimate for 2015. U.S. Census Bureau, 2010 Census.

# APPENDIX VI

**Composition of Law Enforcement Officers within Michigan by MSP District**

MSP District	Agency Type	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
First District	County	506	489	493	494	503	506	512	503	485	481	639	643	637	646	642
	Municipal	1,015	1,031	1,028	1,209	1,014	1,014	1,002	998	999	959	1,092	1,100	1,084	1,075	1,094
	Other	87	94	96	95	166	166	168	158	151	148	223	228	228	237	242
	Total	1,608	1,614	1,617	1,798	1,683	1,686	1,682	1,659	1,635	1,588	1,954	1,971	1,949	1,958	1,978
	<i>per 1,000 Pop</i>	1.55	1.54	1.53	1.69	1.57	1.57	1.57	1.57	1.55	1.54	1.49	1.34	1.35	1.33	1.33
<i>per 10 SqMi</i>	2.97	2.98	2.99	3.32	3.11	3.12	3.11	3.07	3.02	3.02	2.93	3.51	3.54	3.50	3.52	3.55
Second District	County	1,859	1,948	2,038	2,038	2,091	2,199	2,228	2,193	2,113	1,943	1,708	1,699	1,678	1,622	1,612
	Municipal	9,221	9,038	8,796	8,586	8,202	7,962	7,863	7,765	7,695	7,393	6,535	6,249	6,024	5,958	6,006
	Other	487	511	507	512	431	434	433	459	434	442	364	367	363	359	374
	Total	11,567	11,497	11,341	11,136	10,724	10,595	10,524	10,417	10,242	9,778	8,607	8,315	8,065	7,939	7,992
	<i>per 1,000 Pop</i>	2.47	2.46	2.42	2.38	2.30	2.29	2.29	2.28	2.26	2.16	2.23	2.15	2.09	2.06	2.07
<i>per 10 SqMi</i>	29.39	29.21	28.82	28.30	27.25	26.92	26.74	26.47	26.02	24.85	43.94	42.45	41.17	40.53	40.80	
Third District	County	542	547	549	532	538	540	594	577	569	568	595	600	612	602	611
	Municipal	1,392	1,362	1,379	1,370	1,356	1,390	1,432	1,371	1,345	1,234	1,354	1,330	1,338	1,301	1,305
	Other	85	83	81	78	79	86	141	148	152	153	106	122	119	116	121
	Total	2,019	1,992	2,009	1,980	1,973	2,016	2,167	2,096	2,066	1,955	2,055	2,052	2,069	2,019	2,037
	<i>per 1,000 Pop</i>	1.74	1.71	1.72	1.70	1.69	1.74	1.73	1.69	1.68	1.59	1.52	1.53	1.55	1.52	1.54
<i>per 10 SqMi</i>	2.65	2.61	2.64	2.60	2.59	2.65	2.48	2.39	2.36	2.23	2.32	2.31	2.33	2.28	2.30	
Fifth District	County	528	542	554	567	570	575	504	493	501	493	570	570	565	575	583
	Municipal	1,169	1,139	1,141	1,152	1,127	1,117	1,070	1,052	1,041	1,031	1,100	1,068	1,039	1,048	1,040
	Other	35	36	35	40	38	46	44	46	51	63	69	78	85	92	102
	Total	1,732	1,717	1,730	1,759	1,735	1,738	1,618	1,591	1,593	1,587	1,739	1,716	1,689	1,715	1,725
	<i>per 1,000 Pop</i>	1.84	1.82	1.82	1.85	1.83	1.83	1.93	1.90	1.90	1.90	1.83	1.81	1.78	1.80	1.81
<i>per 10 SqMi</i>	3.26	3.23	3.25	3.31	3.26	3.27	3.60	3.54	3.55	3.53	3.27	3.23	3.18	3.22	3.24	

[continued on next page]

### Composition of Law Enforcement Officers within Michigan by MSP District cont.

MSP District	Agency Type	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Sixth District	County	656	671	682	685	688	696	708	707	702	695	685	669	699	728	736
	Municipal	1,278	1,267	1,266	1,249	1,260	1,245	1,254	1,241	1,219	1,203	1,215	1,192	1,186	1,173	1,179
	Other	102	105	123	122	123	118	70	69	72	70	116	114	117	111	108
	<b>Total</b>	<b>2,036</b>	<b>2,043</b>	<b>2,071</b>	<b>2,056</b>	<b>2,071</b>	<b>2,059</b>	<b>2,032</b>	<b>2,017</b>	<b>1,993</b>	<b>1,968</b>	<b>2,016</b>	<b>1,975</b>	<b>2,002</b>	<b>2,012</b>	<b>2,023</b>
	<i>per 1,000 Pop</i>	<i>1.46</i>	<i>1.45</i>	<i>1.46</i>	<i>1.44</i>	<i>1.45</i>	<i>1.43</i>	<i>1.40</i>	<i>1.38</i>	<i>1.37</i>	<i>1.35</i>	<i>1.35</i>	<i>1.31</i>	<i>1.32</i>	<i>1.32</i>	<i>1.31</i>
<i>per 10 SqMi</i>	<i>2.60</i>	<i>2.61</i>	<i>2.64</i>	<i>2.62</i>	<i>2.64</i>	<i>2.63</i>	<i>2.70</i>	<i>2.68</i>	<i>2.65</i>	<i>2.62</i>	<i>2.40</i>	<i>2.35</i>	<i>2.38</i>	<i>2.39</i>	<i>2.41</i>	
Seventh District	County	394	401	402	410	420	408	416	417	421	419	424	424	420	415	434
	Municipal	237	230	232	243	232	238	242	238	235	231	229	222	222	225	222
	Other	31	31	30	23	23	21	21	26	21	21	43	42	40	28	26
	<b>Total</b>	<b>662</b>	<b>662</b>	<b>664</b>	<b>676</b>	<b>675</b>	<b>667</b>	<b>679</b>	<b>681</b>	<b>677</b>	<b>671</b>	<b>696</b>	<b>688</b>	<b>682</b>	<b>668</b>	<b>682</b>
	<i>per 1,000 Pop</i>	<i>1.46</i>	<i>1.45</i>	<i>1.44</i>	<i>1.46</i>	<i>1.45</i>	<i>1.43</i>	<i>1.46</i>	<i>1.47</i>	<i>1.47</i>	<i>1.46</i>	<i>1.52</i>	<i>1.50</i>	<i>1.49</i>	<i>1.45</i>	<i>1.48</i>
<i>per 10 SqMi</i>	<i>0.66</i>	<i>0.66</i>	<i>0.66</i>	<i>0.67</i>	<i>0.67</i>	<i>0.66</i>	<i>0.68</i>	<i>0.68</i>	<i>0.67</i>	<i>0.67</i>	<i>0.69</i>	<i>0.68</i>	<i>0.68</i>	<i>0.66</i>	<i>0.68</i>	
Eighth District	County	214	219	220	219	219	225	229	231	232	235	226	228	225	227	223
	Municipal	314	307	309	300	305	310	303	297	293	290	288	290	290	283	298
	Other	78	79	82	86	86	86	86	81	88	89	90	93	92	89	94
	<b>Total</b>	<b>606</b>	<b>605</b>	<b>611</b>	<b>605</b>	<b>610</b>	<b>621</b>	<b>618</b>	<b>609</b>	<b>613</b>	<b>614</b>	<b>604</b>	<b>611</b>	<b>607</b>	<b>599</b>	<b>615</b>
	<i>per 1,000 Pop</i>	<i>1.91</i>	<i>1.91</i>	<i>1.94</i>	<i>1.91</i>	<i>1.94</i>	<i>1.98</i>	<i>1.97</i>	<i>1.95</i>	<i>1.97</i>	<i>1.97</i>	<i>1.94</i>	<i>1.97</i>	<i>1.96</i>	<i>1.94</i>	<i>2.00</i>
<i>per 10 SqMi</i>	<i>0.37</i>	<i>0.37</i>	<i>0.37</i>	<i>0.37</i>	<i>0.37</i>	<i>0.38</i>	<i>0.38</i>	<i>0.37</i>	<i>0.38</i>							
<b>Statewide Totals</b>	<b>County</b>	<b>4,699</b>	<b>4,817</b>	<b>4,938</b>	<b>4,945</b>	<b>5,029</b>	<b>5,149</b>	<b>5,191</b>	<b>5,121</b>	<b>5,023</b>	<b>4,834</b>	<b>4,847</b>	<b>4,833</b>	<b>4,836</b>	<b>4,815</b>	<b>4,841</b>
	<b>Municipal</b>	<b>14,626</b>	<b>14,374</b>	<b>14,151</b>	<b>14,109</b>	<b>13,496</b>	<b>13,276</b>	<b>13,166</b>	<b>12,962</b>	<b>12,827</b>	<b>12,341</b>	<b>11,813</b>	<b>11,451</b>	<b>11,183</b>	<b>11,063</b>	<b>11,144</b>
	<b>Other</b>	<b>905</b>	<b>939</b>	<b>954</b>	<b>956</b>	<b>946</b>	<b>957</b>	<b>963</b>	<b>987</b>	<b>969</b>	<b>986</b>	<b>1,011</b>	<b>1,044</b>	<b>1,044</b>	<b>1,032</b>	<b>1,067</b>
	<b>State</b>	<b>2,377</b>	<b>2,264</b>	<b>2,092</b>	<b>1,922</b>	<b>2,081</b>	<b>2,052</b>	<b>1,999</b>	<b>2,062</b>	<b>1,962</b>	<b>1,892</b>	<b>1,814</b>	<b>1,823</b>	<b>1,925</b>	<b>2,050</b>	<b>2,084</b>
	<b>Total</b>	<b>22,607</b>	<b>22,394</b>	<b>22,135</b>	<b>21,932</b>	<b>21,552</b>	<b>21,434</b>	<b>21,319</b>	<b>21,132</b>	<b>20,781</b>	<b>20,053</b>	<b>19,485</b>	<b>19,151</b>	<b>18,988</b>	<b>18,960</b>	<b>19,136</b>
<i>per 1,000 Pop</i>	<i>2.26</i>	<i>2.24</i>	<i>2.20</i>	<i>2.18</i>	<i>2.14</i>	<i>2.14</i>	<i>2.13</i>	<i>2.12</i>	<i>2.10</i>	<i>2.03</i>	<i>1.97</i>	<i>1.94</i>	<i>1.92</i>	<i>1.91</i>	<i>1.93</i>	
<i>per 10 SqMi</i>	<i>4.00</i>	<i>3.96</i>	<i>3.92</i>	<i>3.88</i>	<i>3.81</i>	<i>3.79</i>	<i>3.77</i>	<i>3.74</i>	<i>3.68</i>	<i>3.55</i>	<i>3.45</i>	<i>3.39</i>	<i>3.36</i>	<i>3.35</i>	<i>3.38</i>	

NOTES: Officer counts are of positions occupied by individuals licensed by MCOLES as law enforcement officers and includes part-time positions, some number of which may be occupied by the same licensed individual; "County" includes officers employed by sheriffs' offices; "Municipal" includes officers employed by cities, villages, and townships; "Other" includes officers employed by airports, boards of education, community colleges, parks, county prosecutors, railroads, tribes, and public universities; and "State" includes officers employed by the Michigan State Police, Department of Natural Resources, Attorney General, and Legislature. The boundaries of MSP districts were modified between 2006 and 2007 and between 2010 and 2011; accordingly, the data are adjusted to accurately account for officers employed by jurisdictions encompassed within modified district boundaries. Data for 2015 is preliminary and subject to change until the annual registration period ends on March 4, 2016.

SOURCES: Michigan Commission on Law Enforcement Standards, Law Enforcement Officers by County and Agency Type as of December 31, 2001 through 2015; marginally modified by HFA. U.S. Census Bureau, Intercensal Estimates of Population by County, 1990-2000; U.S. Census Bureau, Intercensal Estimates of Population by County, 2000-2010; U.S. Census Bureau, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2014; and HFA preliminary population estimate for 2015. U.S. Census Bureau, 2010 Census.

# APPENDIX VII

## Composition of Law Enforcement Officers among the Great Lakes States as Reported to the FBI

State	Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Illinois	State Police/Patrol Agency	1,997	2,030	2,106	2,089	2,070	2,102	2,155	2,136	2,016	2,008	1,983	2,010	2,073	2,125	2,077	1,988	1,892	1,778	1,750	1,781	
	<i>per 1,000 Pop</i>	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.17	0.16	0.15	0.15	0.14	0.14	0.14	
	<i>per 10 SqMi</i>	0.36	0.37	0.38	0.38	0.37	0.38	0.39	0.38	0.36	0.36	0.36	0.36	0.36	0.37	0.38	0.37	0.36	0.34	0.32	0.32	0.32
	Other State Agencies	516	550	545	513	508	536	344	308	306	270	258	253	270	307	314	299	289	235	119	0	
	County Agencies	3,553	3,418	3,401	3,736	3,809	5,827	5,755	5,589	5,735	5,809	5,772	5,838	5,624	5,639	5,441	5,314	4,866	4,810	1,649	3,345	
	Municipal Agencies	25,900	25,855	26,583	25,184	26,914	27,444	27,519	27,680	27,675	27,492	27,621	28,225	28,432	28,256	27,476	26,823	25,121	24,239	17,580	18,808	
	Other Non-State Agencies	439	471	496	506	508	520	681	676	841	853	902	903	903	921	929	1,013	912	831	311	424	
	Total Officers	32,405	32,324	33,131	32,028	33,809	36,429	36,454	36,389	36,573	36,432	36,536	37,229	37,302	37,248	36,237	35,437	33,080	31,893	21,409	24,358	
	<i>per 1,000 Pop</i>	2.70	2.67	2.72	2.61	2.74	2.93	2.92	2.91	2.91	2.89	2.90	2.94	2.94	2.92	2.83	2.76	2.57	2.48	1.66	1.89	
	<i>per 10 SqMi</i>	5.84	5.82	5.97	5.77	6.09	6.56	6.57	6.55	6.59	6.56	6.58	6.71	6.72	6.71	6.53	6.38	5.96	5.74	3.86	4.39	
Indiana	State Police/Patrol Agency	1,135	1,244	1,252	1,200	1,249	1,255	1,264	1,230	1,194	1,155	1,125	1,148	1,215	1,321	1,293	1,290	1,221	1,302	1,228	1,279	
	<i>per 1,000 Pop</i>	0.19	0.21	0.21	0.20	0.21	0.21	0.21	0.20	0.19	0.19	0.18	0.18	0.19	0.21	0.20	0.20	0.19	0.20	0.19	0.19	
	<i>per 10 SqMi</i>	0.32	0.35	0.35	0.33	0.35	0.35	0.35	0.34	0.33	0.32	0.31	0.32	0.34	0.37	0.36	0.36	0.34	0.36	0.34	0.36	
	Other State Agencies	0	0	0	0	0	7	7	7	7	7	7	7	6	96	98	94	7	92	7	87	
	County Agencies	1,690	1,890	1,880	1,572	1,488	1,595	2,160	2,257	2,325	2,308	2,219	2,046	2,073	2,100	2,384	1,964	2,203	1,150	910	1,304	
	Municipal Agencies	4,699	4,957	5,094	5,689	5,605	6,036	6,723	7,043	7,065	7,086	7,052	6,797	7,213	6,733	7,199	6,960	6,961	6,049	4,764	5,932	
	Other Non-State Agencies	182	188	194	201	199	198	212	205	207	213	214	199	203	210	259	261	247	210	145	161	
	Total Officers	7,706	8,279	8,420	8,662	8,541	9,091	10,366	10,742	10,798	10,769	10,617	10,197	10,710	10,460	11,233	10,569	10,639	8,803	7,054	8,763	
	<i>per 1,000 Pop</i>	1.32	1.40	1.41	1.44	1.41	1.49	1.69	1.74	1.74	1.73	1.69	1.61	1.68	1.63	1.74	1.63	1.63	1.35	1.07	1.33	
	<i>per 10 SqMi</i>	2.15	2.31	2.35	2.42	2.38	2.54	2.89	3.00	3.01	3.01	2.96	2.85	2.99	2.92	3.14	2.95	2.97	2.46	1.97	2.45	
Michigan	State Police/Patrol Agency	2,164	2,102	2,086	2,174	2,176	2,083	2,129	2,035	1,810	1,591	1,797	1,783	1,734	1,830	1,669	1,654	1,582	1,600	1,686	1,791	
	<i>per 1,000 Pop</i>	0.22	0.22	0.21	0.22	0.22	0.21	0.21	0.20	0.18	0.16	0.18	0.18	0.17	0.18	0.17	0.17	0.16	0.16	0.17	0.18	
	<i>per 10 SqMi</i>	0.38	0.37	0.37	0.38	0.38	0.37	0.38	0.36	0.32	0.28	0.32	0.32	0.31	0.32	0.30	0.29	0.28	0.28	0.30	0.32	
	Other State Agencies	0	34	35	219	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	
	County Agencies	4,014	4,107	4,295	4,392	4,174	4,339	4,898	4,685	4,806	4,890	4,886	4,812	4,998	5,024	4,791	4,604	4,717	4,543	4,603	4,515	
	Municipal Agencies	12,877	13,263	13,546	13,597	13,742	13,970	13,907	13,677	13,395	13,155	12,442	12,097	12,185	12,072	11,694	11,302	10,729	10,306	10,029	9,953	
	Other Non-State Agencies	282	296	296	319	323	340	553	589	547	584	566	536	563	578	642	669	660	674	591	769	
	Total Officers	19,337	19,802	20,258	20,701	20,415	20,732	21,487	21,006	20,558	20,220	19,691	19,228	19,480	19,504	18,796	18,229	17,688	17,123	16,909	17,028	
	<i>per 1,000 Pop</i>	2.00	2.03	2.07	2.10	2.06	2.08	2.15	2.10	2.05	2.01	1.96	1.92	1.95	1.96	1.90	1.85	1.79	1.73	1.71	1.72	
	<i>per 10 SqMi</i>	3.42	3.50	3.58	3.66	3.61	3.67	3.80	3.72	3.64	3.58	3.48	3.40	3.45	3.45	3.32	3.22	3.13	3.03	2.99	3.01	

[continued on next page]

**Composition of Law Enforcement Officers among the Great Lakes States as Reported to the FBI cont.**

State	Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Minnesota	State Police/Patrol Agency	502	474	461	513	536	542	540	525	523	545	557	549	520	518	566	542	557	529	537	495	
	<i>per 1,000 Pop</i>	<i>0.11</i>	<i>0.10</i>	<i>0.10</i>	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	<i>0.10</i>	<i>0.10</i>	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	<i>0.10</i>	<i>0.10</i>	<i>0.11</i>	<i>0.10</i>	<i>0.10</i>	<i>0.10</i>	<i>0.10</i>	<i>0.10</i>	<i>0.09</i>
	<i>per 10 SqMi</i>	<i>0.06</i>	<i>0.06</i>	<i>0.06</i>	<i>0.06</i>	<i>0.07</i>	<i>0.06</i>															
	Other State Agencies	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	10	18	11	11	13	20
	County Agencies	1,684	2,100	2,203	2,243	2,297	2,329	2,359	2,357	2,371	2,395	2,447	2,549	2,612	2,647	2,635	2,622	2,617	2,619	2,644	2,669	
	Municipal Agencies	4,446	4,686	4,723	4,838	4,886	4,928	4,987	5,088	5,001	5,063	5,175	5,260	5,435	5,554	5,512	5,435	5,388	5,392	5,427	5,458	
	Other Non-State Agencies	47	49	49	46	39	41	129	134	141	144	153	163	164	166	190	241	243	277	166	281	
	Total Officers	6,679	7,309	7,436	7,640	7,758	7,840	8,015	8,104	8,036	8,147	8,332	8,532	8,742	8,896	8,913	8,858	8,816	8,828	8,787	8,923	
	<i>per 1,000 Pop</i>	<i>1.43</i>	<i>1.55</i>	<i>1.56</i>	<i>1.59</i>	<i>1.59</i>	<i>1.59</i>	<i>1.61</i>	<i>1.61</i>	<i>1.59</i>	<i>1.60</i>	<i>1.63</i>	<i>1.65</i>	<i>1.68</i>	<i>1.70</i>	<i>1.69</i>	<i>1.67</i>	<i>1.65</i>	<i>1.64</i>	<i>1.62</i>	<i>1.64</i>	
	<i>per 10 SqMi</i>	<i>0.84</i>	<i>0.92</i>	<i>0.93</i>	<i>0.96</i>	<i>0.97</i>	<i>0.98</i>	<i>1.01</i>	<i>1.02</i>	<i>1.01</i>	<i>1.02</i>	<i>1.05</i>	<i>1.07</i>	<i>1.10</i>	<i>1.12</i>	<i>1.12</i>	<i>1.11</i>	<i>1.11</i>	<i>1.11</i>	<i>1.10</i>	<i>1.12</i>	
Ohio	State Police/Patrol Agency	1,372	1,352	1,337	1,374	1,390	1,422	1,494	1,526	1,486	1,481	1,547	1,558	1,568	1,556	1,522	1,493	1,477	1,543	1,608	1,598	
	<i>per 1,000 Pop</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.13</i>	<i>0.13</i>	<i>0.13</i>	<i>0.13</i>	<i>0.13</i>	<i>0.13</i>	<i>0.14</i>	<i>0.14</i>	<i>0.14</i>	<i>0.13</i>	<i>0.13</i>	<i>0.13</i>	<i>0.13</i>	<i>0.14</i>	<i>0.14</i>	
	<i>per 10 SqMi</i>	<i>0.34</i>	<i>0.33</i>	<i>0.33</i>	<i>0.34</i>	<i>0.34</i>	<i>0.35</i>	<i>0.37</i>	<i>0.37</i>	<i>0.36</i>	<i>0.36</i>	<i>0.38</i>	<i>0.38</i>	<i>0.38</i>	<i>0.38</i>	<i>0.37</i>	<i>0.37</i>	<i>0.36</i>	<i>0.38</i>	<i>0.39</i>	<i>0.39</i>	
	Other State Agencies	0	0	0	0	0	459	0	429	0	0	0	438	365	433	502	393	433	334	341	95	
	County Agencies	3,266	3,162	4,736	4,864	4,884	4,637	5,060	5,158	5,002	4,977	4,662	5,055	5,108	5,467	3,497	3,828	4,330	2,455	1,183	1,246	
	Municipal Agencies	10,618	12,054	14,728	15,368	14,188	15,887	15,670	15,891	15,729	12,514	15,405	15,104	14,081	13,556	15,777	13,103	14,504	11,588	9,579	6,406	
	Other Non-State Agencies	352	252	353	355	387	403	527	660	646	617	658	692	768	837	812	866	876	472	436	271	
	Total Officers	15,608	16,820	21,154	21,961	20,849	22,808	22,751	23,664	22,863	19,589	22,272	22,847	21,890	21,849	22,110	19,683	21,620	16,392	13,147	9,616	
	<i>per 1,000 Pop</i>	<i>1.39</i>	<i>1.50</i>	<i>1.88</i>	<i>1.94</i>	<i>1.84</i>	<i>2.01</i>	<i>2.00</i>	<i>2.07</i>	<i>2.00</i>	<i>1.71</i>	<i>1.94</i>	<i>1.99</i>	<i>1.90</i>	<i>1.90</i>	<i>1.92</i>	<i>1.71</i>	<i>1.87</i>	<i>1.42</i>	<i>1.14</i>	<i>0.83</i>	
	<i>per 10 SqMi</i>	<i>3.82</i>	<i>4.12</i>	<i>5.18</i>	<i>5.37</i>	<i>5.10</i>	<i>5.58</i>	<i>5.57</i>	<i>5.79</i>	<i>5.60</i>	<i>4.79</i>	<i>5.45</i>	<i>5.59</i>	<i>5.36</i>	<i>5.35</i>	<i>5.41</i>	<i>4.82</i>	<i>5.29</i>	<i>4.01</i>	<i>3.22</i>	<i>2.35</i>	
Wisconsin	State Police/Patrol Agency	509	496	496	493	493	499	513	529	529	492	492	490	488	509	496	496	477	460	463	481	
	<i>per 1,000 Pop</i>	<i>0.10</i>	<i>0.09</i>	<i>0.09</i>	<i>0.09</i>	<i>0.09</i>	<i>0.09</i>	<i>0.09</i>	<i>0.10</i>	<i>0.10</i>	<i>0.09</i>	<i>0.08</i>	<i>0.08</i>	<i>0.08</i>	<i>0.08</i>							
	<i>per 10 SqMi</i>	<i>0.09</i>	<i>0.10</i>	<i>0.10</i>	<i>0.09</i>	<i>0.08</i>	<i>0.09</i>	<i>0.09</i>														
	Other State Agencies	231	227	226	259	271	257	258	294	255	236	492	479	233	368	466	463	464	425	338	405	
	County Agencies	3,607	3,687	3,718	3,937	3,880	3,873	3,533	3,380	4,204	4,321	4,273	4,251	4,321	4,057	4,036	4,013	3,903	3,753	3,767	3,873	
	Municipal Agencies	7,103	7,137	7,277	7,381	7,482	7,530	7,466	6,978	7,302	7,578	7,598	7,598	7,716	7,885	7,842	7,898	7,714	7,723	7,668	7,745	
	Other Non-State Agencies	139	139	134	138	148	145	201	202	208	212	215	220	212	219	280	225	248	279	268	272	
	Total Officers	11,589	11,686	11,851	12,208	12,274	12,304	11,971	11,383	12,498	12,839	13,070	13,038	12,970	13,038	13,120	13,095	12,806	12,640	12,504	12,776	
	<i>per 1,000 Pop</i>	<i>2.24</i>	<i>2.23</i>	<i>2.25</i>	<i>2.30</i>	<i>2.30</i>	<i>2.29</i>	<i>2.21</i>	<i>2.09</i>	<i>2.28</i>	<i>2.33</i>	<i>2.36</i>	<i>2.34</i>	<i>2.31</i>	<i>2.31</i>	<i>2.31</i>	<i>2.30</i>	<i>2.24</i>	<i>2.21</i>	<i>2.18</i>	<i>2.22</i>	
	<i>per 10 SqMi</i>	<i>2.14</i>	<i>2.16</i>	<i>2.19</i>	<i>2.25</i>	<i>2.27</i>	<i>2.27</i>	<i>2.21</i>	<i>2.10</i>	<i>2.31</i>	<i>2.37</i>	<i>2.41</i>	<i>2.41</i>	<i>2.39</i>	<i>2.41</i>	<i>2.42</i>	<i>2.42</i>	<i>2.36</i>	<i>2.33</i>	<i>2.31</i>	<i>2.36</i>	

[continued on next page]

### Composition of Law Enforcement Officers among the Great Lakes States as Reported to the FBI cont.

State	Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Great Lakes States Averages	State Police/Patrol Agency	1,280	1,283	1,290	1,307	1,319	1,317	1,349	1,330	1,260	1,212	1,250	1,256	1,266	1,310	1,271	1,244	1,201	1,202	1,212	1,238	
	<i>per 1,000 Pop</i>	<i>0.16</i>	<i>0.15</i>	<i>0.14</i>	<i>0.15</i>	<i>0.15</i>	<i>0.15</i>	<i>0.15</i>	<i>0.14</i>	<i>0.14</i>	<i>0.14</i>	<i>0.14</i>	<i>0.14</i>									
	<i>per 10 SqMi</i>	<i>0.24</i>	<i>0.24</i>	<i>0.24</i>	<i>0.24</i>	<i>0.25</i>	<i>0.25</i>	<i>0.25</i>	<i>0.25</i>	<i>0.25</i>	<i>0.23</i>	<i>0.23</i>	<i>0.23</i>	<i>0.23</i>	<i>0.24</i>	<i>0.24</i>	<i>0.24</i>	<i>0.23</i>	<i>0.22</i>	<i>0.22</i>	<i>0.23</i>	<i>0.23</i>
	Other State Agencies	125	135	134	165	130	210	102	176	95	86	126	198	148	203	232	211	201	183	136	101	
	County Agencies	2,969	3,061	3,372	3,457	3,422	3,767	3,961	3,904	4,074	4,117	4,043	4,092	4,123	4,156	3,797	3,724	3,773	3,222	2,459	2,825	
	Municipal Agencies	10,941	11,325	11,992	12,010	12,136	12,633	12,712	12,726	12,695	12,148	12,549	12,514	12,510	12,343	12,583	11,920	11,736	10,883	9,175	9,050	
	Other Non-State Agencies	240	233	254	261	267	275	384	411	432	437	451	452	469	489	519	546	531	457	320	363	
	Total Officers	15,554	16,037	17,042	17,200	17,274	18,201	18,507	18,548	18,554	17,999	18,420	18,512	18,516	18,499	18,402	17,645	17,442	15,947	13,302	13,577	
	<i>per 1,000 Pop</i>	<i>1.92</i>	<i>1.97</i>	<i>2.08</i>	<i>2.08</i>	<i>2.08</i>	<i>2.18</i>	<i>2.20</i>	<i>2.20</i>	<i>2.19</i>	<i>2.12</i>	<i>2.16</i>	<i>2.17</i>	<i>2.16</i>	<i>2.15</i>	<i>2.14</i>	<i>2.05</i>	<i>2.02</i>	<i>1.84</i>	<i>1.53</i>	<i>1.56</i>	
	<i>per 10 SqMi</i>	<i>2.89</i>	<i>2.98</i>	<i>3.17</i>	<i>3.20</i>	<i>3.21</i>	<i>3.39</i>	<i>3.44</i>	<i>3.45</i>	<i>3.45</i>	<i>3.35</i>	<i>3.43</i>	<i>3.44</i>	<i>3.44</i>	<i>3.44</i>	<i>3.42</i>	<i>3.28</i>	<i>3.24</i>	<i>2.97</i>	<i>2.47</i>	<i>2.53</i>	

NOTES: Participation in the Uniform Crime Reporting Program is not consistently required under federal or state law; accordingly, the data are limited to only those which were voluntarily submitted to the FBI by state, local, and other law enforcement agencies, resulting in numerous and various instances of omitted or erroneous observations amongst reporting agencies and throughout the reporting period; in an exceptionally limited and select number of instances, HFA corrected or imputed specific values that were conspicuously omitted or unambiguously erroneous and for which more accurate values could be straightforwardly calculated. The UCR Program defines "law enforcement officers" as individuals employed on a full-time basis who ordinarily carry a firearm and a badge, have full arrest powers, and are paid from governmental funds set aside specifically to pay sworn law enforcement. "State Police/Patrol Agency" includes officers employed by the primary state-level law enforcement and traffic safety agency; "Other State Agencies" includes officers employed by state-level agencies other than the primary state-level law enforcement and traffic safety agency (much variation in these agencies among the states); "County Agencies" includes officers employed by county-level (metropolitan and nonmetropolitan) agencies; "Municipal Agencies" includes officers employed by municipal-level (i.e., cities and towns) agencies; and "Other Non-State Agencies" includes officers employed by agencies not otherwise included within state-, county-, or municipal-level agencies (e.g., airports and railroads, colleges and universities, parks and preserves, and tribal authorities).

SOURCES: Federal Bureau of Investigation, Uniform Crime Reporting Program, Crime in the United States, Police Employee Data, Tables 76, 78, 79, 80, & 81, 1995-2014. U.S. Census Bureau, Time Series of Intercensal State Population Estimates: April 1, 1990 to April 1, 2000; U.S. Census Bureau, Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010; U.S. Census Bureau, Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015. U.S. Census Bureau, 2010 Census.





Mary Ann Cleary, Director  
 Kyle I. Jen, Deputy Director  
 517.373.8080

Agriculture and Rural Development .....	William E. Hamilton
Capital Outlay .....	Benjamin Gielczyk
Community Colleges .....	Perry Zielak
Corrections .....	Robin R. Risko
Education (Department) .....	Samuel Christensen
Environmental Quality .....	Austin Scott
<b>General Government:</b>	
<b>Attorney General/Civil Rights/State (Department)/</b>	
<b>Technology, Management, and Budget .....</b>	Perry Zielak
<b>Executive Office/Legislature/Legislative Auditor General/Lottery/</b>	
<b>Michigan Strategic Fund/Talent and Economic Development/Treasury .....</b>	Benjamin Gielczyk
<b>Health and Human Services</b>	
<b>Human Services .....</b>	Viola Bay Wild
<b>Medicaid, Physical and Behavioral Health .....</b>	Kevin Koorstra; Kyle I. Jen
<b>Public Health, Aging, Departmentwide Administration .....</b>	Susan Frey
<b>Higher Education .....</b>	Marilyn Peterson
<b>Insurance and Financial Services .....</b>	Paul B.A. Holland
<b>Judiciary .....</b>	Robin R. Risko
<b>Licensing and Regulatory Affairs .....</b>	Paul B.A. Holland
<b>Military and Veterans Affairs .....</b>	Kent Dell
<b>Natural Resources .....</b>	Austin Scott
<b>School Aid .....</b>	Bethany Wicksall; Samuel Christensen
<b>State Police .....</b>	Kent Dell
<b>Transportation .....</b>	William E. Hamilton
<b>Economic/Revenue Forecast; Local Finance; Tax Analysis .....</b>	Jim Stansell
<b>Revenue Sharing .....</b>	Jim Stansell; Ben Gielczyk
<b>Legislative Analysis .....</b>	Chris Couch
	Edith Best; Jennifer McInerney; Josh Roesner; Sue Stutzky
<b>Fiscal Oversight, Audit, and Litigation .....</b>	Mary Ann Cleary
<b>Retirement .....</b>	Bethany Wicksall; Kyle I. Jen
<b>Supplemental Coordinator .....</b>	Kyle I. Jen
<b>Transfer Coordinator .....</b>	Viola Bay Wild
<b>Administrative Assistant/Publications .....</b>	Kathryn Bateson
<b>Budget Assistant /HFA Internet .....</b>	Tumai Burris
<b>Front Desk Coordinator .....</b>	Katie Eitniear



P.O. Box 30014 ■ Lansing, MI 48909-7514  
(517) 373-8080  
[www.house.mi.gov/hfa](http://www.house.mi.gov/hfa)