## 2019 Salary Survey Results

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## Disclaimer

## This is my own stuff.

I do not speak for Knox County, TN, the Regional Forensic Center, the Mayor, or my boss.
Any opinions expressed are my own and reflect no one else's.

## Methods

- Survey of the medicolegal death investigation community
- Active from 6/1/2019-8/3/2019
- Solicited participation from NAME membership, NAME mailinglist, and IACME broadcast, as well as mention by Path/Bio AAFS newsletter.
- 303 responses, 209 completions
- 110 questions in 16 groups

Some questions were respondent-specific, e.g some for Fps, some for MDIs, etc. so nobody saw all 110 questions

- Responses were anonymized, but tokens were sent to allow stop and restart
- Survey software: Limesurvey v 3.16.1+190314
- Hardware:

Survey deployment: Virtual computer hosted by Bluehost Centos 6.4 operating system
Data analysis:

- HP laptop, KDE neon OS/QubesOS
- Statistics using R (x86_64-pc-linux-gnu, v 3.4.4)


## Survey covered primary areas

- Income
- Workload
- Duties
- Satisfaction


## Results posted to NAME-L

- Available for download from: www.forensicpath.biz/2019survey
- Will just hit the highlights in this short presentation
- $\mathrm{FP} \mathrm{n}=161$
- $A A_{n=12}$
- Admin $n=12$
- Biologist $\mathrm{n}=2$

Non-MD medical (e.g. DDS) $\mathrm{n}=2$

- General Pathologist $n=1$
- "Other" $\mathrm{n}=1$
this basically meant that only FP and MDI (and to a much smaller extent, AA and Admin) were evaluable

Age

- FP Mean: 49.3, Median 49
- MDI Mean:41.6, Median 41
- AA Mean 35.8, Median 37
- Admin Mean 51, Median 53.50

FP s

- Doesn't look like we are replacing as fast as we are losing, if the respondents are representative. Each younger age group is smaller...


MDIs


## Race/Sex - FP

- White $\mathrm{n}=129,71$ male, 58 female, mean age 49.5 yrs

Black n=5, 4 male, 1 female, mean 50 yrs

- Hispanic n=7, male 4, female 3, mean 48.6 yrs

Asian $n=10$, male 4, female 6, mean 46 yrs
Mixed n=1
Native American $\mathrm{n}=1$

- Other $\mathrm{n}=5$, male 5 , female 0 , mean 55.6
- White $\mathrm{n}=62$, male 23 , female 38 , mean 42.3 yrs
- Black n=3 male 0, female 3 , man 36.7 yrs
- Hispanic $n=4$, male 1 , female 3 , mean 37.75 yrs
- Asian $\mathrm{n}=0$

Mixed $\mathrm{n}=0$

- Native American $\mathrm{n}=1$
- Other n=0
- White n=8, male 1 , female 7,36 yrs
- Black n=4, male 3, female 4, mean 37.75
- Hispanic n=0
- Asian n=0
- Mixed $\mathrm{n}=0$
- Native Americans n=0
- Other n=0


## Admin

White $\mathrm{n}=8$ male 2 , female 6 , age 49.2

- Black n=1
- Hispanic $\mathrm{n}=1$
- Asian $\mathrm{n}=0$
- Mixed $\mathrm{n}=1$
- Native American n=1
- Other n=0


## International Respondents

## - Canada 8

- Australia 3
- New Zealand 1

| Years in practice |  |
| :---: | :---: |
| • FP | - AA |
| - Mean 15.44 | - Mean 7.83 |
| - Median 13 | - Median 7.5 |
| - MDIs | Admins |
| - Mean 12.6 | - Mean 16.33 |
| - Median 11.5 | - Median 11.5 |
|  |  |


| Years in current job |  |
| :---: | :---: |
| • FP | - AA |
| - Mean 8.53 | - Mean 5.25 |
| - Median 6 | - Median 3.0 |
| - MDI | Admin |
| - Mean 9.3 | - Mean 13.75 |
| - Median 6.25 | - Median 10.0 |
|  |  |

## But, that's a little misleading...

- For FPs, the mean years in place of 8.5 is a little misleading. If you look at the graph, the mode is **3** years, which means there's a fair amount of churning. Here's the graph, with each bar being one year...
- The red is years in place, the blue is years in practeice.



## Work type - FP

- Owner of company or self employed No 131, Yes 30
- Employee of private company No 146, Yes 15
- Public employee No 32 Yes 129
- Retired - 1


## Academics - FP

- Tenure track - 7
- Nontenure - 15
- Affiliate/adjunct faculty - 72
- Affiliate/adjunct non-faculty (e.g. affiliate physician) - 13
- Non-faculty employee - 1
- Academic other - 5


## Income from primary job

- This is the income from the "primary" mdirelated job. It does not include side jobs, consults, etc.


## FP - income from primary job

- I modified a number of entries in this group. Some folk entered 3 digits, e.g. 205 as their annual income. I assume they meant $\$ 205,000$, etc.. Similarly, one person entered $\$ 221$ billion. I changed that to $\$ 221,000$, and another said he/she made around $\$ 3$ million. I another said he/she made
changed that to $\$ 300,000$


## Mean \$237K

Median \$221K
Min \$50K
Max \$630K



MDI

- Min \$3000
- Median \$58,500
- Mean \$61,950
- Max \$136,000



## - Min \$30,000

- Median \$42,000
- Mean \$43,570
- Max \$66,000

Admins

- Min \$25,000
- Median \$83,000
- Mean \$89,970
- Max \$150,000


## FP

Only people with side incomes greater than $\$ 0$ are included. Since a minority of people have side income, including the zeros would be misleading.
Min \$1000, Median \$25,000, Mean \$58,470, Max \$400,000

- $\mathrm{n}=67$

Most people, it seems, are like me - they do a occasional side "real" jobs to maintain their bona fides, and make the big money on tides, and make the big money on


Total income - mdi+side+retirement+other (in thousands)

 -AAs

Admins



Cost of living adjusted base income
base income, fp

$x_{1}^{\text {vars }} 150$

- Denver dollars

 - Note the difference in the number of NAs


Hours worked

## FP - hours worked

- Main job - pretty homogeneous

Min 5
Median 45
Mean 45.8
Max 80
$\mathrm{n}=160$

Type of office, primary job - FPs

- Public (governmental) nonacademic office headed by FP : 112
- University-affiliated, headed by FP 10
- Private company headed by FP: 19
- Elected lay Coroner: 7
- Appointed lay Coroner: 5
- Private consultant: 9
- Government employee that consults with offices: 1
- Multiple (move around): 1

Workload - autopsies

FP - primary job

- Asked about:

Full forensic autopsies
-Forensic limited dissections
Forensic external exams

- Private/hospital autopsies

Private/hospital limited dissections
Private/hospital externals

## Forensic full autopsies per year

- Summary data



Total Load

- Calculated as:
- Autopsies $=1$, limited dissection $=0.5$, external $=0.2$
$\begin{array}{rlrlll}\text { Min. } 1 \text { st Qu. Median } & \text { Mean 3rd Qu. Max. } \\ 37.0 & 185.0 & 228.0 & 228.4 & 270.0 & 506.5\end{array}$


NAME accreditation standards

## - Greater than 250 , phase I

- Greater than 325 , phase II
- The average is just below the 250 standard, at 228.4
- Approximately $63 \%$ of respondents were below the 250 limit, and $37 \%$ were above it.
- Approximately $5 \%$ were above the 325 limit




## Pay per autopsy

- In general, we are paid around a grand per autopsy. There are a couple of big outliers, primarily by people
who do something else for most of their money. The outlier on the other side is someone who said they made $\$ 3000$ per year, and performed 210 autopsies.
For instance, here in Knoxville, I do about 330 autopsies per year, and get paid about \$220K, for a payment per autopsy of $\$ 666$ per autopsy (the job of the Beast!)


## Number of FPs

## FPs

- Most offices have 4-5 Fps. Same issue with the outliers - one person said there were 40.



Do you do private consultations

- FP - Yes 36, No 2, NA 119 (presumed to be no/ skipped)

Last year, 67 said yes, so this number may be bogus

- No responses from MDI,AA,Admin


## Private consultation structure

## - Incorporated?

№ 17
.1 in

- 1 in

Yes 24
. Scorp 6

- LLClpLLC 12
- PA1
- PLC 1
-NA 119

Hourly charge, by case type, for cases that are not pro bono

- Criminal defense

- Indigent defense

- Criminal prosecution
- Civil defense

- Civil plaintiff

- NGOs



## Do you do locums?

- FP - Yes 16, No 25, NA 119
- NA all others


## Ru happy?

- Asked a large series of questions about satisfaction.

RU happy with your life right now

- 10 point scale 1 = happy happy, $10=$ sad sad






## Ru happy with job?





- Admin min strou Metian Mean 3rd ou Max, NA's


## Asked a large number of specifics

- Facilities, relationship with boss, etc. Please see URL for specifics

| FP |
| :---: |
| - FP s are generally happy. <br> - The high scorers (more unhappy) are <br> Exhaustion, stress, sleep, time for hobbies and/or recreation <br> Support from outside agencies (e.g. Sheriff, DA s, etc) <br> Support from superior agency (e.g. DHHS) <br> - Interestingly, there a bimodal distribution for "happy with my job" with one peak at around 2.5 and the other (smaller peak) around 8 . |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |



The most important predictor of happiness was relationship with boss

- This is consistent with studies done in other places

Among physicians, key predictors are relationship with supervisor/command, professional growth, and with supervisor/command, professional growth
Salary was 21 st out of 22

| Proportion of variance explained by model: 90.598 |  |
| :---: | :---: |
| Relative importance |  |
| Support from boss Love coming to | $\begin{aligned} & 0.103875065 \\ & 0.0931663 \\ & 0.070565046 \\ & 0 \end{aligned}$ |
| ${ }_{\text {Race }}^{\text {Suport from superior agency }}$ | 0.070618862 |
|  | 0.06292455 |
| ${ }_{\text {Mar }}^{\text {Time }}$ for ${ }^{\text {al }}$ hobbies | 0.049213006 |
| ${ }_{\text {Get along at mork }}^{\text {Get }}$ | -0.034360609 |
| $\xrightarrow{\text { Time }}$ for recreation ${ }_{\text {dubic }}$ | -0.033887377 |
|  | 0.002982217 |
| Poerworked $\begin{aligned} & \text { Prored } \\ & \text { Personal office } \\ & \text { apace }\end{aligned}$ |  |
|  |  |
|  | -0.0135073955 |
| Admin v Pathologist in in charge | 0.006687 |

## Race - misleading result

- No respondents in the "black" classification answered the "are you happy at your job" question. Thus, the column is blank. The first column is people who didn't answer the race question but answered the happy job question.
- The results are weighed by a very small number of very unhappy self-identified "mixed."
- These results are not normalized by n . This would be different if it were


Similarly, asked a number of predictors for income

- Type of office (Coroner, ME)
- Region of country
- Population served
- Etc
- Again, please see URL for details

Region and title (e.g. Chief, Deputy, Staff) were the most importan

2018 multivariate results Base Income

| - Region: $15.0 \%$ | - Does consults $3.1 \%$ |
| :--- | :--- |
| - Title 9.8\% | - FP certification $2.7 \%$ |
| - Does locums $5.5 \%$ | - Office size $2.4 \%$ |
| - Specialty certification (any) | - Race 2.4\% |
| 5.490/ |  |
| - Experience: $5.2 \%$ | - Sex 2.3\% |
| - Employer type: $4.9 \%$ | - System size $1.9 \%$ |
| - Office type: $3.2 \%$ | - Age $1.6 \%$ |




Once again, for the full data analysis...

- 22 installments
- Go to www.forensicpath.biz/2019survey

