

Example date used: 22-Apr-2022

MIA OT Averaging Example

Last day worked in Trial/Probationary Period: 21-Apr-2022

- ===== indicates rows/cells are hidden to keep this example to one page,
but are all being used for calculations

AMT #	HEAD_DA TE6	HEAD_DA TE5	HEAD_DA TE4	HEAD_DA TE3	HEAD_DA TE2	HEAD_DA TE1	HEAD_DA TE	REPORT DATE 6 HRS	REPORT DATE 5 HRS	REPORT DATE 4 HRS	REPORT DATE 3 HRS	REPORT DATE 2 HRS	REPORT DATE 1 HRS	REPORT DATE HRS	AAID	EMP_NAME	NAME	EMP_SEN	POS	OT HRS
1	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 1	Last 1	###	#####	.
2	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 2	Last 2	###	#####	.
3	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 3	Last 3	###	#####	.
159	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 159	Last 159	###	#####	.
160	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 160	Last 160	###	#####	3
161	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 161	Last 161	###	#####	3
162	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 162	Last 162	###	#####	4
163	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 163	Last 163	###	#####	4
164	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 164	Last 164	###	#####	4
330	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	14.0 ACC	#####	First 330	Last 330	###	#####	98
331	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	14.0 ACC	-	14.0 ACC	#####	First 331	Last 331	###	#####	98
332	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	4.0 OT	-	4.0 OT	-	#####	First 332	Last 332	###	#####	98
333	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	12.0 ACC	-	-	-	-	-	-	#####	First 333	Last 333	###	#####	99
334	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 334	Last 334	###	#####	100
335	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 335	Last 335	###	#####	100
336	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 336	Last 336	###	#####	100
337	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 337	Last 337	###	#####	100
338	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	16.0 ACC	16.0 ACC	-	-	#####	First 338	Last 338	###	#####	101
339	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 339	Last 339	###	#####	102
340	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	5.0 OT	-	#####	First 340	Last 340	###	#####	102
341	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 341	Last 341	###	#####	103
342	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 342	Last 342	###	#####	104
482	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 482	Last 482	###	#####	198
483	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 483	Last 483	###	#####	201
484	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 484	Last 484	###	#####	202
485	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 485	Last 485	###	#####	204
486	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	4.0 OT	-	16.0 ACC	-	#####	First 486	Last 486	###	#####	204
487	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 487	Last 487	###	#####	207
488	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	16.0 ACC	-	-	-	-	-	-	#####	First 488	Last 488	###	#####	208
489	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	16.0 ACC	-	-	#####	First 489	Last 489	###	#####	208
527	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 527	Last 527	###	#####	354
528	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	14.0 ACC	-	14.0 ACC	-	-	-	-	#####	First 528	Last 528	###	#####	356
529	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 529	Last 529	###	#####	403
530	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	-	-	-	-	-	#####	First 530	Last 530	###	#####	411
531	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	-	-	12.0 ACC	-	-	-	-	#####	First 531	Last 531	###	#####	430

Total OT hours added up:	41808
Total number of OT eligible AMTs:	531
Calculated Average OT Hours:	78.734
Rounded up/down =:	79
Average using AVERAGEA:	78.734

Examples of different mathematical errors from not averaging correctly and/or using median instead of averaging

- = Correct calculation using all OT eligible Members
- = Incorrect calculation NOT including Members with zero OT Points
- = Incorrect calculation including Members not eligible for OT
- = Incorrect calculation using Median calculation

	Member is:	ALL	Only With Points	Eligible With OT points
1	Trial Period	0	0	0
2	Trial Period	0	0	0
3	OT Eligible	0	0	0
4	OT Eligible	0	0	0
5	OT Eligible	10	10	10
6	OT Eligible	10	10	10
7	OT Eligible	15	15	15
8	OT Eligible	20	20	20
9	OT Eligible	50	50	50
10	OT Eligible	20	20	20

Subtotal:	125	125	125
Divided by # of Members:	10	6	8
Average Equals:	12.500	20.833	15.625
Rounded to:	12	21	16

Correct OT Points average calculation <i>WITHOUT</i> Trial Period		
Average WITHOUT Trial Period including zeroes		16
OT Points calculated <i>WITHOUT</i> Trial Period		
Average not including zeroes	20.833	
Average including zeroes		15.625
Median not including zeroes		17.500
Median including zeroes		12.500
OT Points calculated <i>WITH</i> Trial Period		
Average not including zeroes	20.833	
Average ALL		12.500
Median not including zeroes		17.500
Median including zeroes		10.000