- All data obtained directly from the Defense Health Agency, Armed Forces Health Surveillance Branch – Public Health Division

  Defense Medical Epidemiology Database (DMED)

- https://www.afhsc.mil/DMED

- Data current as of 1730 26 JAN 2022

(DMED)

This program provides remote access to a de-identified subset of data contained within the Defense Medical Surveillance System (DMSS). Using the tools available, you can construct customized queries of DoD Hospitalizations, Ambulatory clinic visits and Reportable Medical Events.

Query DMED

Overview | **Getting Started** | **Application Overview** | **Privacy Issues** | **Data Sources**

The *Defense Medical Surveillance System (DMSS)* is an executive information decision support system whose database contains up-to-date and historic data on diseases, medical events (e.g., hospitalizations, ambulatory visits, reportable medical events, HIV tests, immunizations and health risk appraisals) and longitudinal demographic data on DoD personnel. Data in DMSS originates from many different sources within the DoD.

The *Medical Epidemiology Database (DMED)* application provides authorized users remote access to a subset of de-identified data from DMSS about active component service members.

The overall quality of medical surveillance data depends on completeness, validity, consistency, timeliness and accuracy. With more than a billion rows of data (from more than 20 different sources) currently in DMSS, great effort is made to ensure a standardized and consistent approach to data processing and validation. However, receipt of large data inputs from multiple sources makes it impossible to correct all inaccurate or miscoded records. The following are known characteristics of the data available through DMED.

This program provides remote access to a de-identified subset of data contained within the Defense Medical Surveillance System (DMSS). Using the tools available, you can construct customized queries of DoD Hospitalizations, Ambulatory clinic visits and Reportable Medical Events.

Query DMED

Overview | Getting Started | Application Overview | Privacy Issues | Data Sources

There are four main sources of data available through DMED.

Population Data: All data on DoD service members contained in DMED is validated against DoD personnel data obtained from the Defense Manpower Data Center (DMDC) on a monthly basis. Stratum data elements (i.e. gender, age, grade, race/ethnic, and marital status) for medical events are derived from personnel data considered to be current on the date of a medical event.

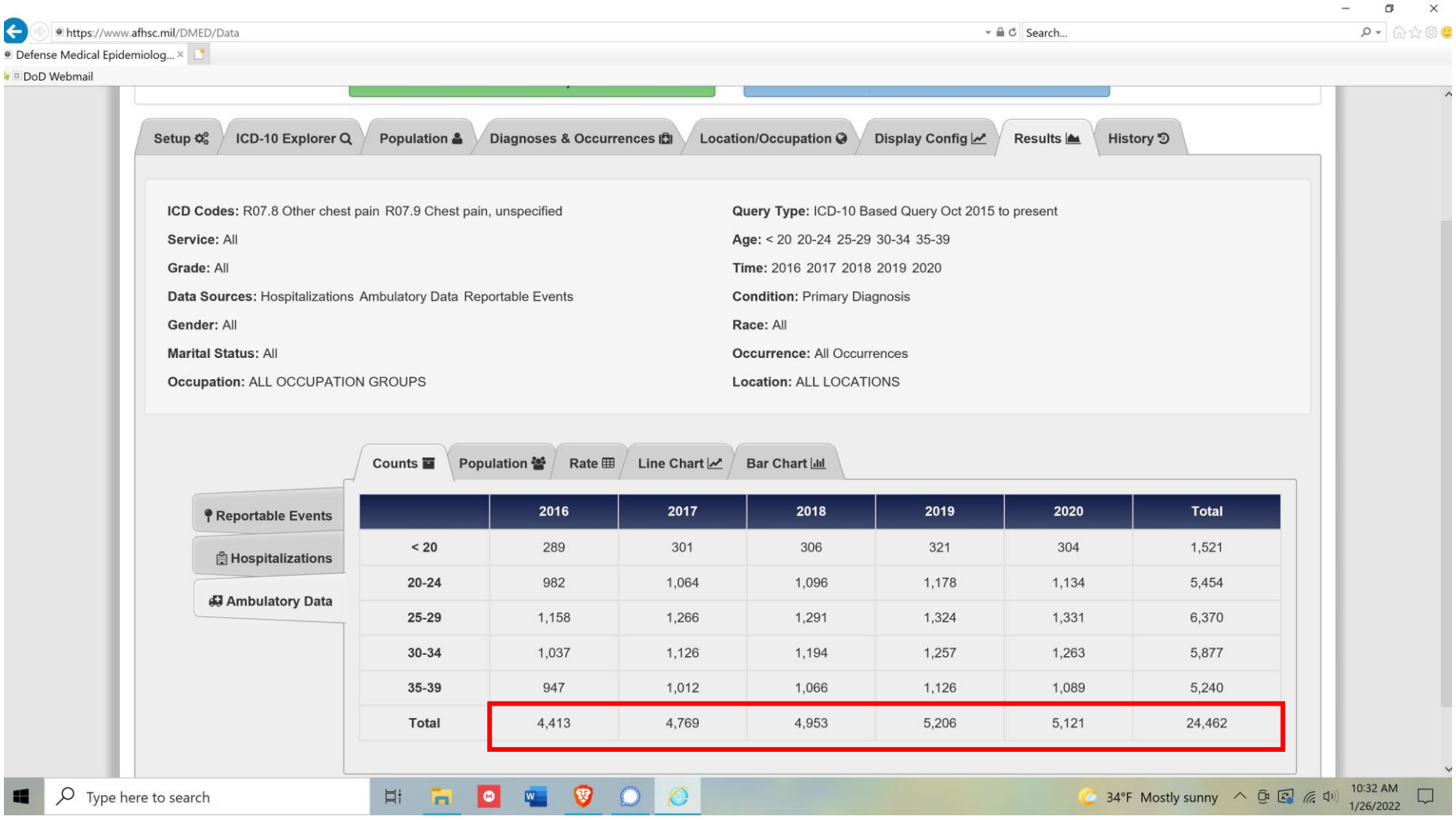
Hospitalization Data: Hospitalization data is a combination of administrative records collected from: 1) hospitalizations in DoD Military Treatment Facilities (Standard In-patient Data Record [SIDR] files), and 2) hospitalizations in non-DOD facilities for which the DoD reimbursed the care facility (TRICARE Encounter Data [TED] and Health Care Service Record [HCSR] files). Each hospitalization results in a series of ICD-9 codes that are assigned based on the health care provider's interview, physical assessment, and interpretation of results of tests, consults, and diagnostic and therapeutic procedures. The number of diagnostic codes available in the records has varied over time but has consistently contained at least eight diagnostic codes: for consistency, DMED utilizes up to eight diagnostic codes. Only in-patient records which are considered complete are processed into DMSS and DMED. Use of these administrative records allows tracking of frequencies, rates, and trends of disease and injury diagnoses in military populations.

Ambulatory Data: Ambulatory encounter data is a combination of administrative records collected from: 1) ambulatory encounters in DoD Military Treatment Facilities, (Standard Ambulatory Data Record [SADR] files), and 2) ambulatory encounters in non-DOD facilities for which the DoD reimbursed the care facility (TRICARE Encounter Data [TED] and Health Care Service Record [HCSR] non-institutional files). Each ambulatory encounter results in a series of ICD-9 codes that is assigned by the health care provider based on a patient interview, physical assessment, and interpretation of results of tests, consults, and diagnostic and therapeutic procedures. The number of diagnostic codes available in the records has varied over time but has consistently contained at least four diagnostic codes: for consistency, DMED utilizes up to four diagnostic codes. Only ambulatory records which are considered complete are processed into DMSS and DMED.

Reportable Event Data: The DoD has a standardized list of conditions that require special surveillance and mandatory reporting which is similar to civilian modifiable event reporting. Medical events which meet Tri-service standardized case definitions are initially reported in Service-specific reporting systems. These reports are forwarded to the Armed Forces Health Surveillance Branch for archival and compilation into a reportable event surveillance database that is used to record and track events of interest in the military. A subset of this information is available within DMED. Army reportable event data is available for calendar years 1995 to present, and Navy, Marine Corps, and Air Force data is available for calendar years 2000 to present.

Chest pain, unspecified; 2016-2020

Annual average (2016-2020) – **4,892**

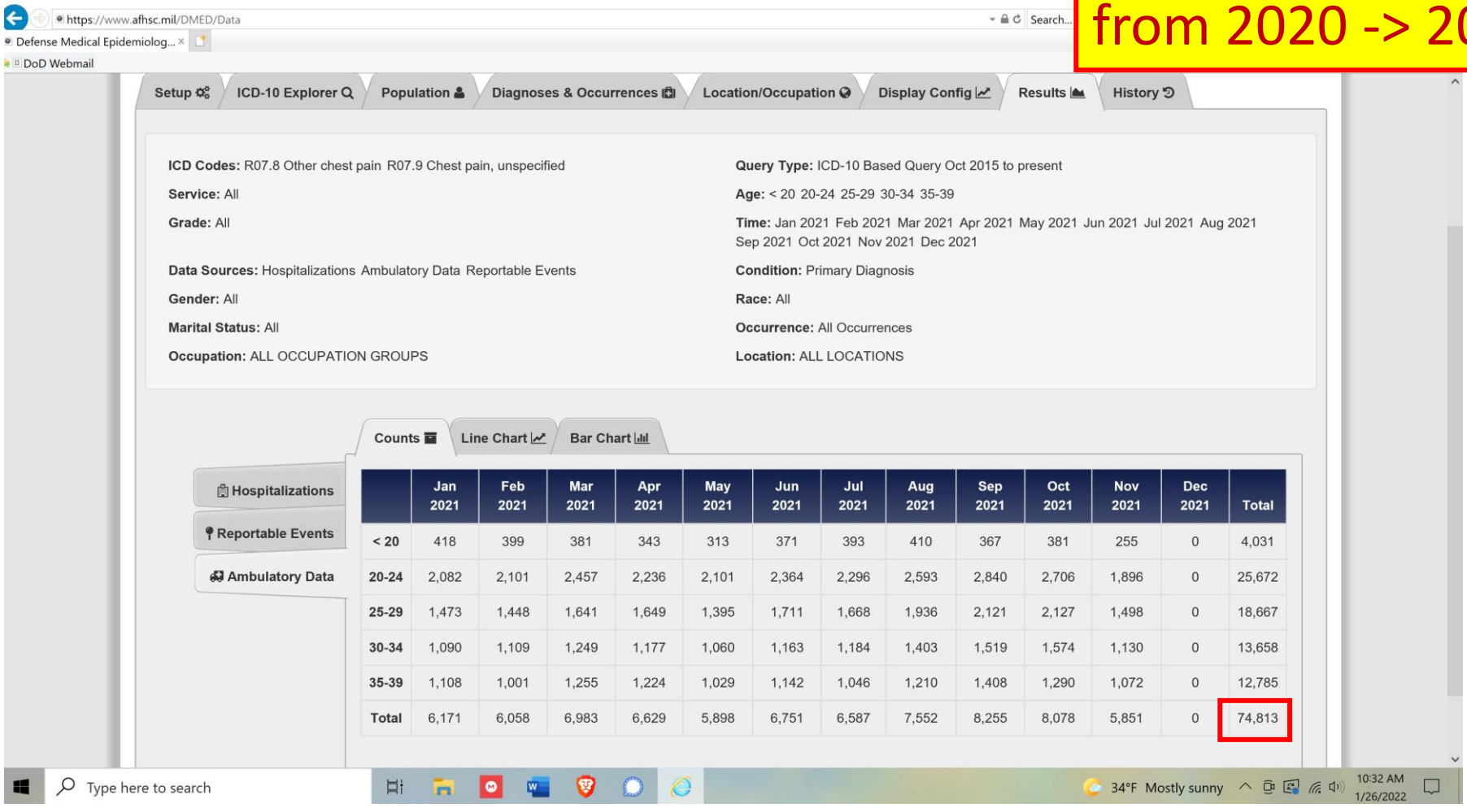


Chest pain, unspecified; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **6,801**

YTD total (Jan-Nov 2021) – **74,813**

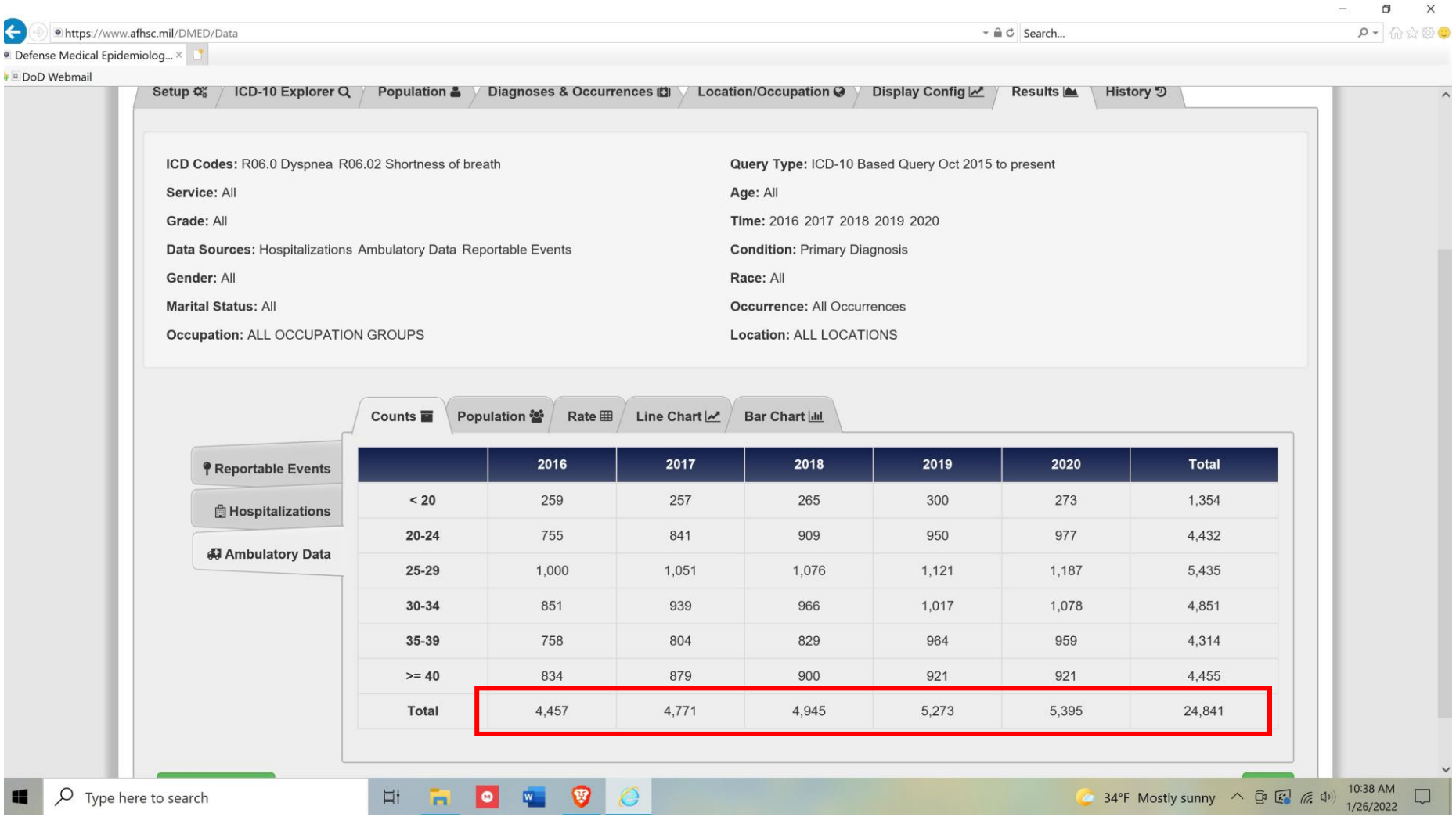
1,529% Increase (15x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	418	399	381	343	313	371	393	410	367	381	255	0	4,031
20-24	2,082	2,101	2,457	2,236	2,101	2,364	2,296	2,593	2,840	2,706	1,896	0	25,672
25-29	1,473	1,448	1,641	1,649	1,395	1,711	1,668	1,936	2,121	2,127	1,498	0	18,667
30-34	1,090	1,109	1,249	1,177	1,060	1,163	1,184	1,403	1,519	1,574	1,130	0	13,658
35-39	1,108	1,001	1,255	1,224	1,029	1,142	1,046	1,210	1,408	1,290	1,072	0	12,785
Total	6,171	6,058	6,983	6,629	5,898	6,751	6,587	7,552	8,255	8,078	5,851	0	74,813

Dyspnea/SOB; 2016-2020

Annual average (2016-2020) – **4,968**



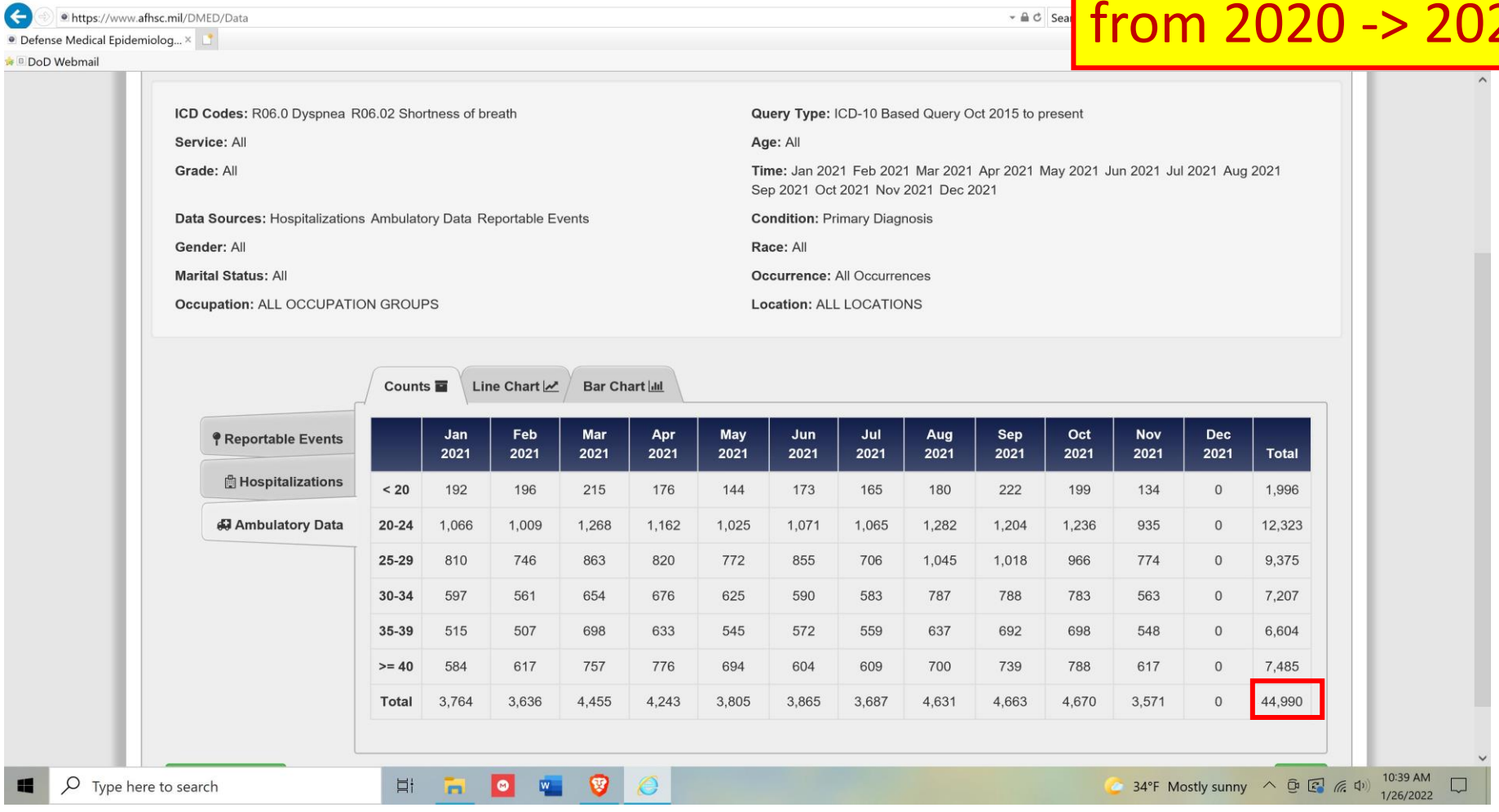
	2016	2017	2018	2019	2020	Total
< 20	259	257	265	300	273	1,354
20-24	755	841	909	950	977	4,432
25-29	1,000	1,051	1,076	1,121	1,187	5,435
30-34	851	939	966	1,017	1,078	4,851
35-39	758	804	829	964	959	4,314
>= 40	834	879	900	921	921	4,455
Total	4,457	4,771	4,945	5,273	5,395	24,841

Dyspnea/SOB; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **4,090**

YTD total (Jan-Nov 2021) – **44,990**

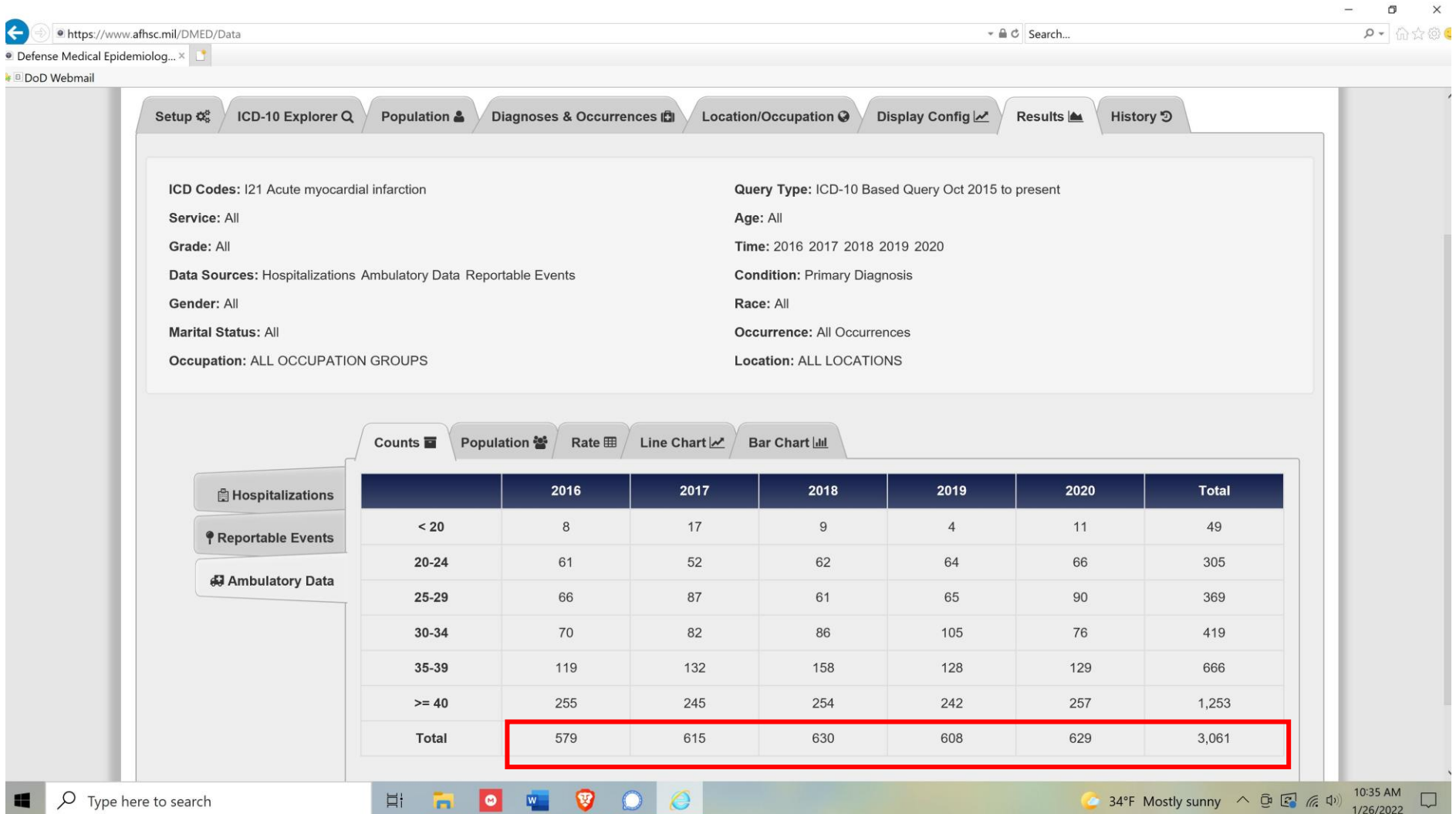
905% Increase (9x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	192	196	215	176	144	173	165	180	222	199	134	0	1,996
20-24	1,066	1,009	1,268	1,162	1,025	1,071	1,065	1,282	1,204	1,236	935	0	12,323
25-29	810	746	863	820	772	855	706	1,045	1,018	966	774	0	9,375
30-34	597	561	654	676	625	590	583	787	788	783	563	0	7,207
35-39	515	507	698	633	545	572	559	637	692	698	548	0	6,604
>= 40	584	617	757	776	694	604	609	700	739	788	617	0	7,485
Total	3,764	3,636	4,455	4,243	3,805	3,865	3,687	4,631	4,663	4,670	3,571	0	44,990

Acute MI; 2016-2020

Annual average (2016-2020) – **612**



https://www.afhsc.mil/DMED/Data

Search...

Defense Medical Epidemiolog...

DoD Webmail

Setup | ICD-10 Explorer | Population | Diagnoses & Occurrences | Location/Occupation | Display Config | Results | History

ICD Codes: I21 Acute myocardial infarction

Service: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Query Type: ICD-10 Based Query Oct 2015 to present

Age: All

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Counts | Population | Rate | Line Chart | Bar Chart

Hospitalizations

Reportable Events

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	8	17	9	4	11	49
20-24	61	52	62	64	66	305
25-29	66	87	61	65	90	369
30-34	70	82	86	105	76	419
35-39	119	132	158	128	129	666
>= 40	255	245	254	242	257	1,253
Total	579	615	630	608	629	3,061

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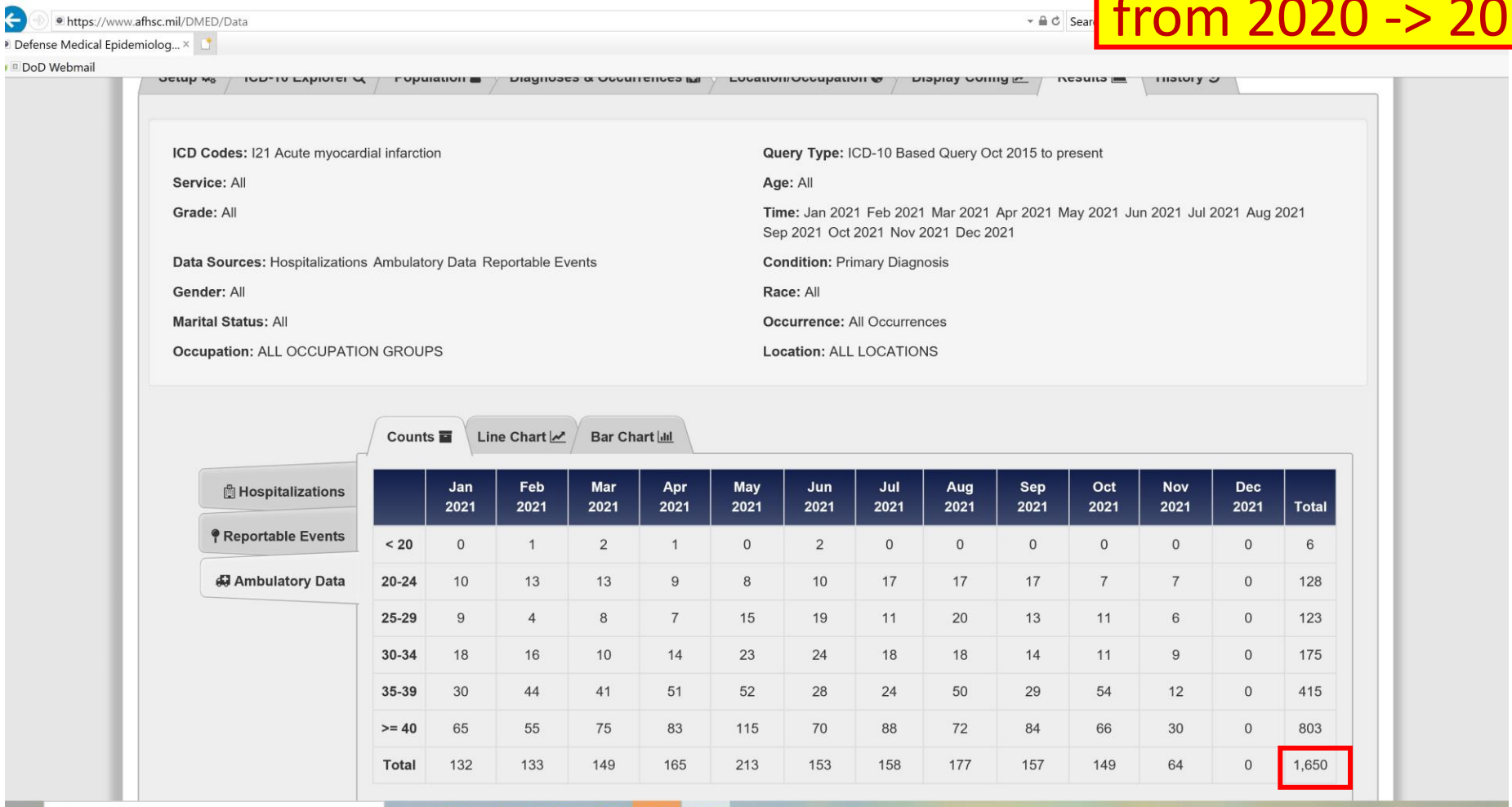
Acute MI; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **6,801**

YTD total (Jan-Nov 2021) – **1,650**

269% Increase (2.69x)
from 2020 -> 2021



ICD Codes: I21 Acute myocardial infarction

Service: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Query Type: ICD-10 Based Query Oct 2015 to present

Age: All

Time: Jan 2021 Feb 2021 Mar 2021 Apr 2021 May 2021 Jun 2021 Jul 2021 Aug 2021 Sep 2021 Oct 2021 Nov 2021 Dec 2021

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

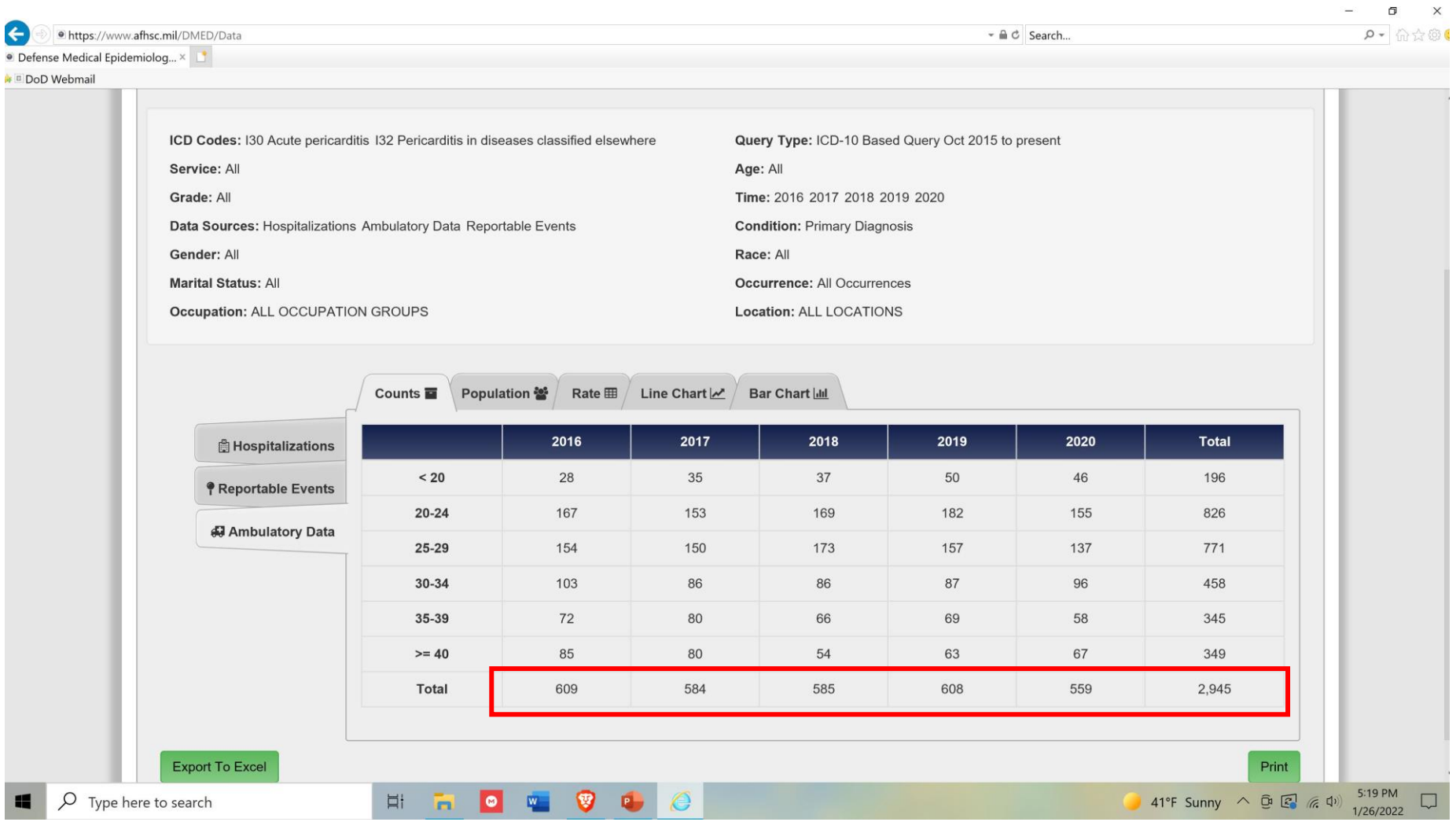
Counts | Line Chart | Bar Chart

Hospitalizations
Reportable Events
Ambulatory Data

	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	0	1	2	1	0	2	0	0	0	0	0	0	6
20-24	10	13	13	9	8	10	17	17	17	7	7	0	128
25-29	9	4	8	7	15	19	11	20	13	11	6	0	123
30-34	18	16	10	14	23	24	18	18	14	11	9	0	175
35-39	30	44	41	51	52	28	24	50	29	54	12	0	415
>= 40	65	55	75	83	115	70	88	72	84	66	30	0	803
Total	132	133	149	165	213	153	158	177	157	149	64	0	1,650

Acute Pericarditis; 2016-2020

Annual average (2016-2020) – **589**



https://www.afhsc.mil/DMED/Data

Search...

Defense Medical Epidemiolog...

DoD Webmail

ICD Codes: I30 Acute pericarditis I32 Pericarditis in diseases classified elsewhere

Query Type: ICD-10 Based Query Oct 2015 to present

Service: All

Age: All

Grade: All

Time: 2016 2017 2018 2019 2020

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Condition: Primary Diagnosis

Gender: All

Race: All

Marital Status: All

Occurrence: All Occurrences

Occupation: ALL OCCUPATION GROUPS

Location: ALL LOCATIONS

Counts | Population | Rate | Line Chart | Bar Chart

Hospitalizations

Reportable Events

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	28	35	37	50	46	196
20-24	167	153	169	182	155	826
25-29	154	150	173	157	137	771
30-34	103	86	86	87	96	458
35-39	72	80	66	69	58	345
>= 40	85	80	54	63	67	349
Total	609	584	585	608	559	2,945

Export To Excel

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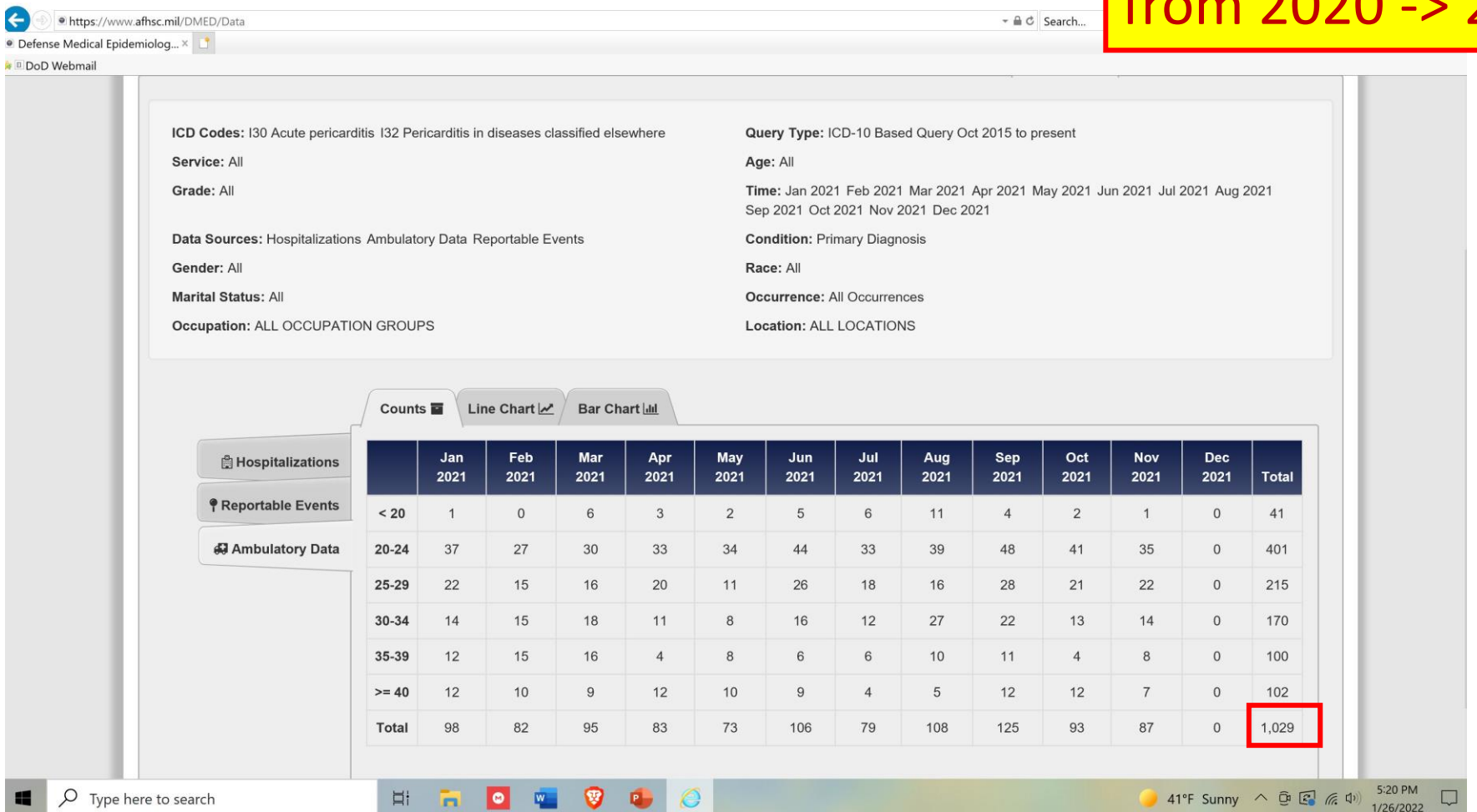
Acute Pericarditis; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **93**

YTD total (Jan-Nov 2021) – **1,029**

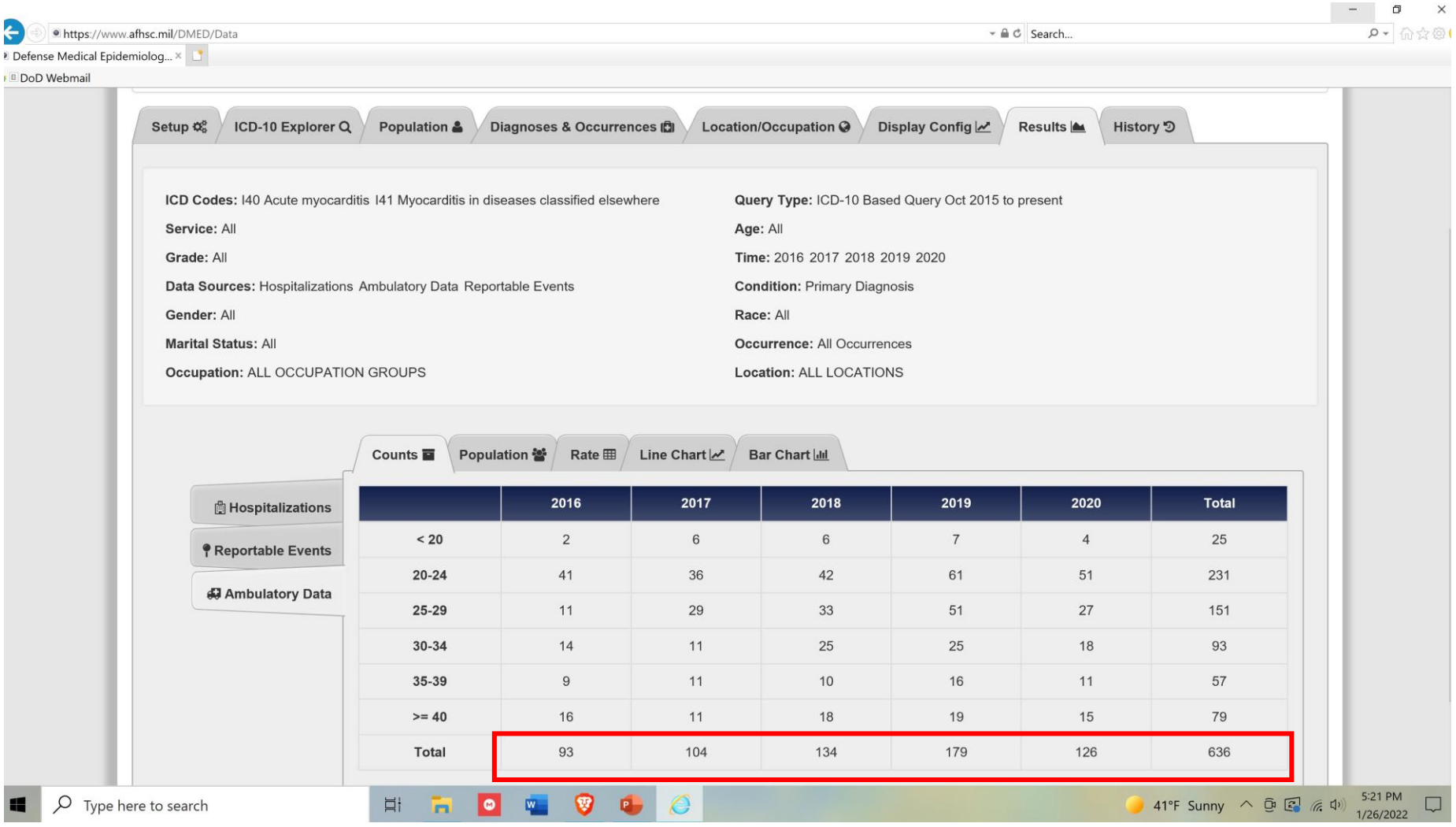
175% Increase (1.75x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	1	0	6	3	2	5	6	11	4	2	1	0	41
20-24	37	27	30	33	34	44	33	39	48	41	35	0	401
25-29	22	15	16	20	11	26	18	16	28	21	22	0	215
30-34	14	15	18	11	8	16	12	27	22	13	14	0	170
35-39	12	15	16	4	8	6	6	10	11	4	8	0	100
>= 40	12	10	9	12	10	9	4	5	12	12	7	0	102
Total	98	82	95	83	73	106	79	108	125	93	87	0	1,029

Acute Myocarditis; 2016-2020

Annual average (2016-2020) – **127**



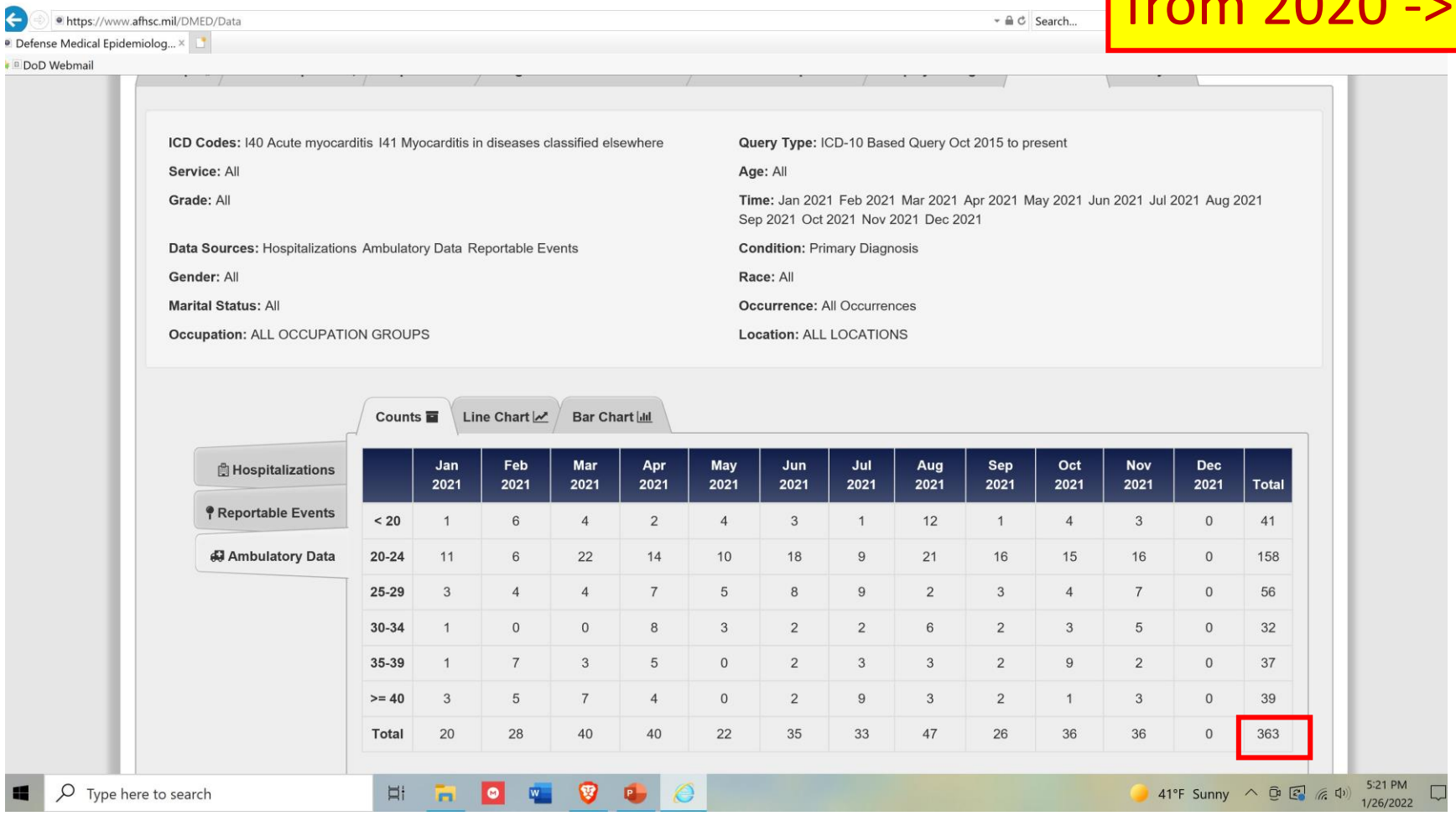
	2016	2017	2018	2019	2020	Total
< 20	2	6	6	7	4	25
20-24	41	36	42	61	51	231
25-29	11	29	33	51	27	151
30-34	14	11	25	25	18	93
35-39	9	11	10	16	11	57
>= 40	16	11	18	19	15	79
Total	93	104	134	179	126	636

Acute Myocarditis; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **33**

YTD total (Jan-Nov 2021) – **363**

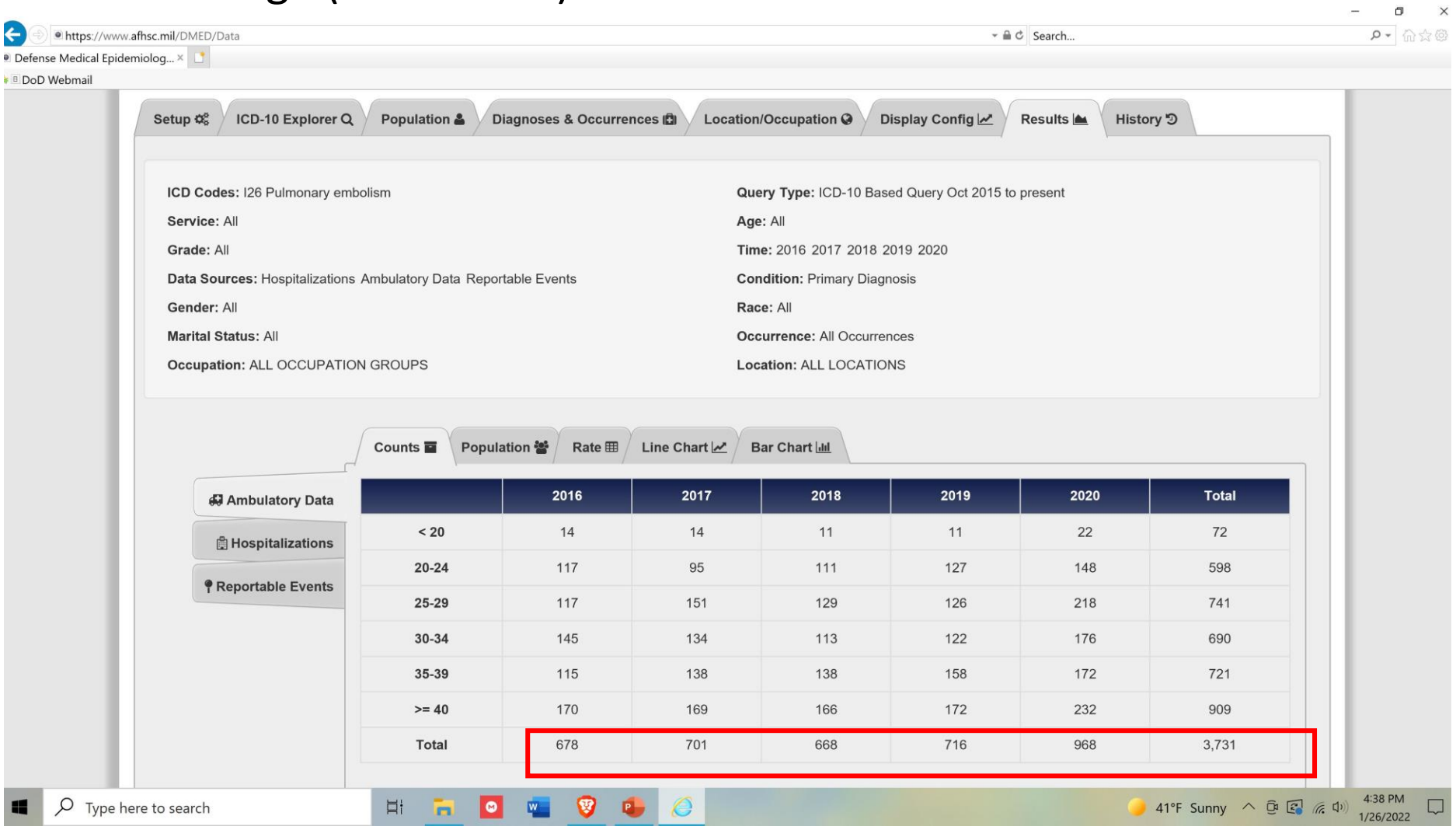
285% Increase (2.85x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	1	6	4	2	4	3	1	12	1	4	3	0	41
20-24	11	6	22	14	10	18	9	21	16	15	16	0	158
25-29	3	4	4	7	5	8	9	2	3	4	7	0	56
30-34	1	0	0	8	3	2	2	6	2	3	5	0	32
35-39	1	7	3	5	0	2	3	3	2	9	2	0	37
>= 40	3	5	7	4	0	2	9	3	2	1	3	0	39
Total	20	28	40	40	22	35	33	47	26	36	36	0	363

Pulmonary Embolism; 2016-2020

Annual average (2016-2020) – **746**

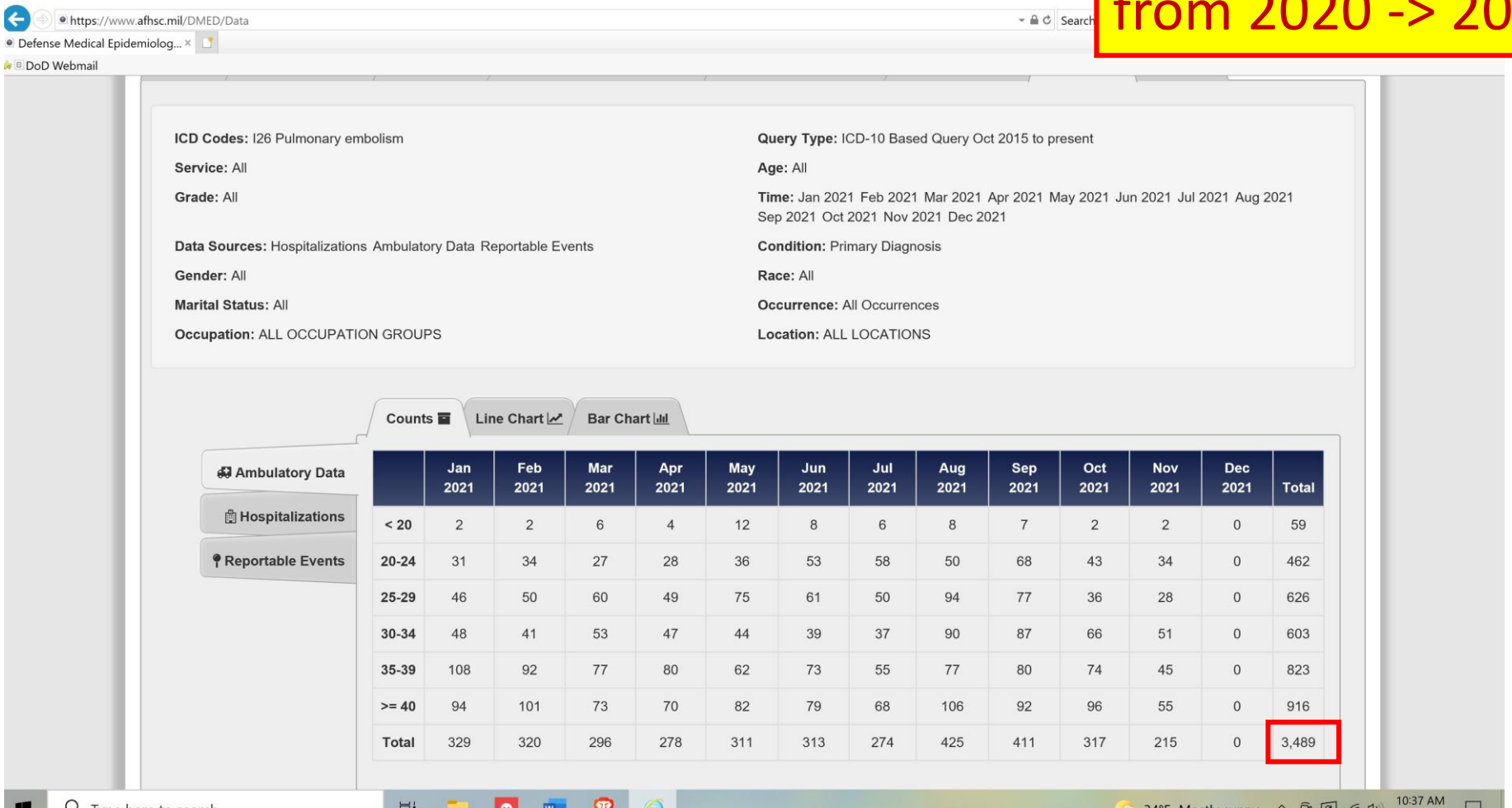


Pulmonary Embolism; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **317**

YTD total (Jan-Nov 2021) – **3,489**

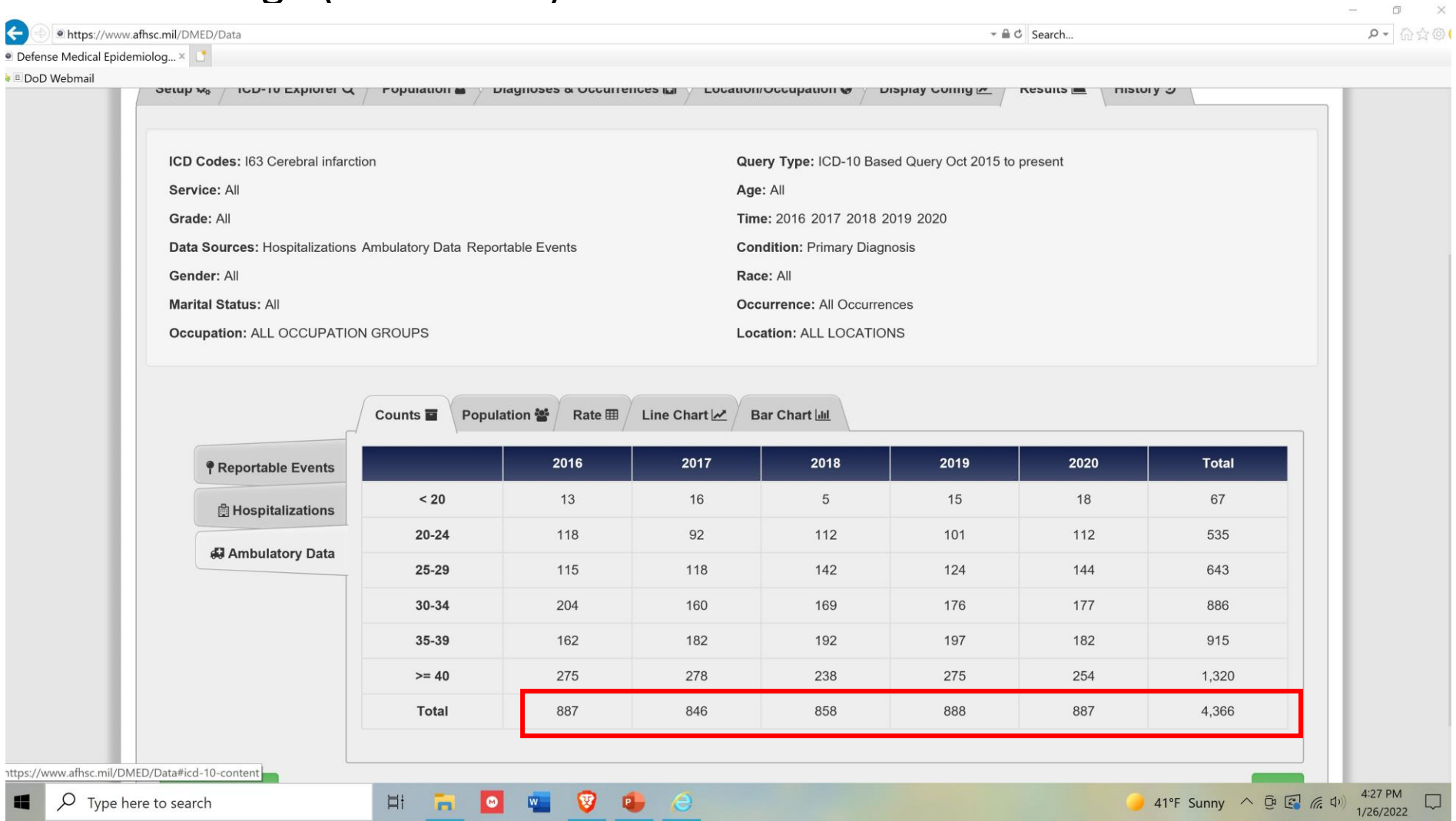
467% Increase (4.67x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	2	2	6	4	12	8	6	8	7	2	2	0	59
20-24	31	34	27	28	36	53	58	50	68	43	34	0	462
25-29	46	50	60	49	75	61	50	94	77	36	28	0	626
30-34	48	41	53	47	44	39	37	90	87	66	51	0	603
35-39	108	92	77	80	62	73	55	77	80	74	45	0	823
>= 40	94	101	73	70	82	79	68	106	92	96	55	0	916
Total	329	320	296	278	311	313	274	425	411	317	215	0	3,489

Cerebral Infarction; 2016-2020

Annual average (2016-2020) – **873**



https://www.afhsc.mil/DMED/Data

Search...

Defense Medical Epidemiolog...

DoD Webmail

Setup | ICD-10 Explorer | Population | Diagnoses & Occurrences | Location/Occupation | Display Config | Results | History

ICD Codes: I63 Cerebral infarction

Service: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Query Type: ICD-10 Based Query Oct 2015 to present

Age: All

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Counts | Population | Rate | Line Chart | Bar Chart

Reportable Events

Hospitalizations

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	13	16	5	15	18	67
20-24	118	92	112	101	112	535
25-29	115	118	142	124	144	643
30-34	204	160	169	176	177	886
35-39	162	182	192	197	182	915
>= 40	275	278	238	275	254	1,320
Total	887	846	858	888	887	4,366

https://www.afhsc.mil/DMED/Data#icd-10-content

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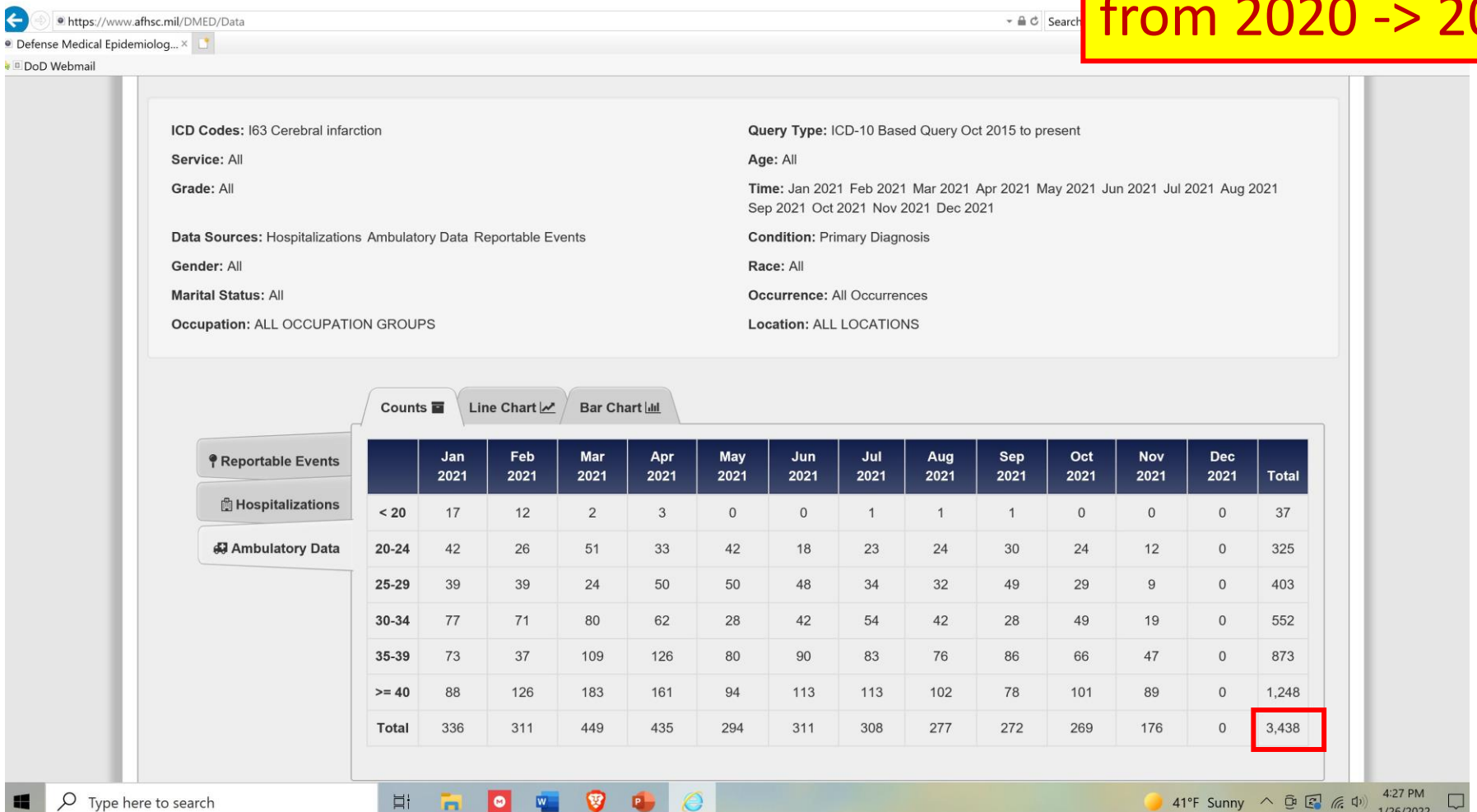
Cerebral Infarction; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **312**

YTD total (Jan-Nov 2021) – **3,438**

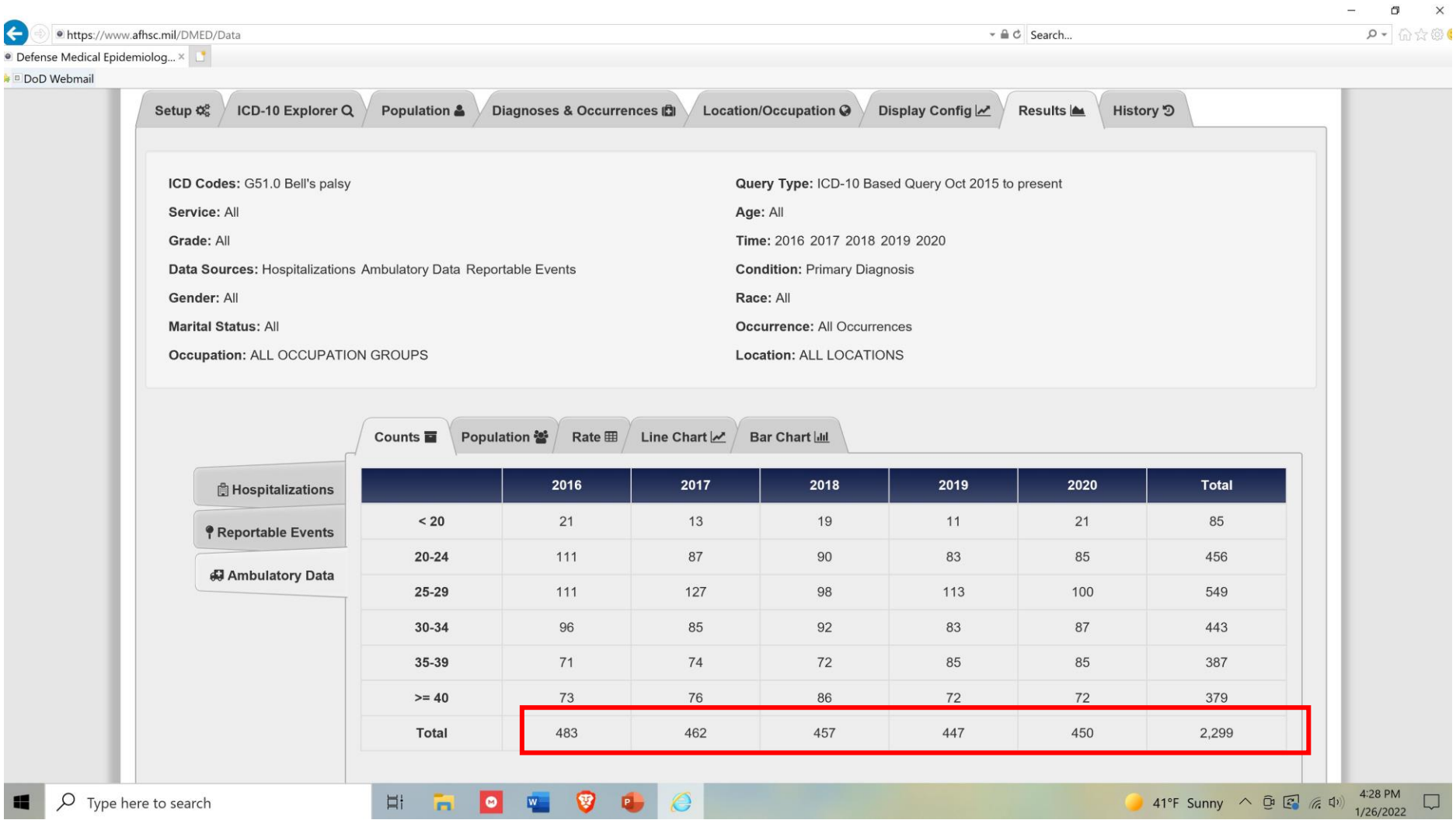
393% Increase (3.93x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	17	12	2	3	0	0	1	1	1	0	0	0	37
20-24	42	26	51	33	42	18	23	24	30	24	12	0	325
25-29	39	39	24	50	50	48	34	32	49	29	9	0	403
30-34	77	71	80	62	28	42	54	42	28	49	19	0	552
35-39	73	37	109	126	80	90	83	76	86	66	47	0	873
>= 40	88	126	183	161	94	113	113	102	78	101	89	0	1,248
Total	336	311	449	435	294	311	308	277	272	269	176	0	3,438

Bell's Palsy; 2016-2020

Annual average (2016-2020) – **460**



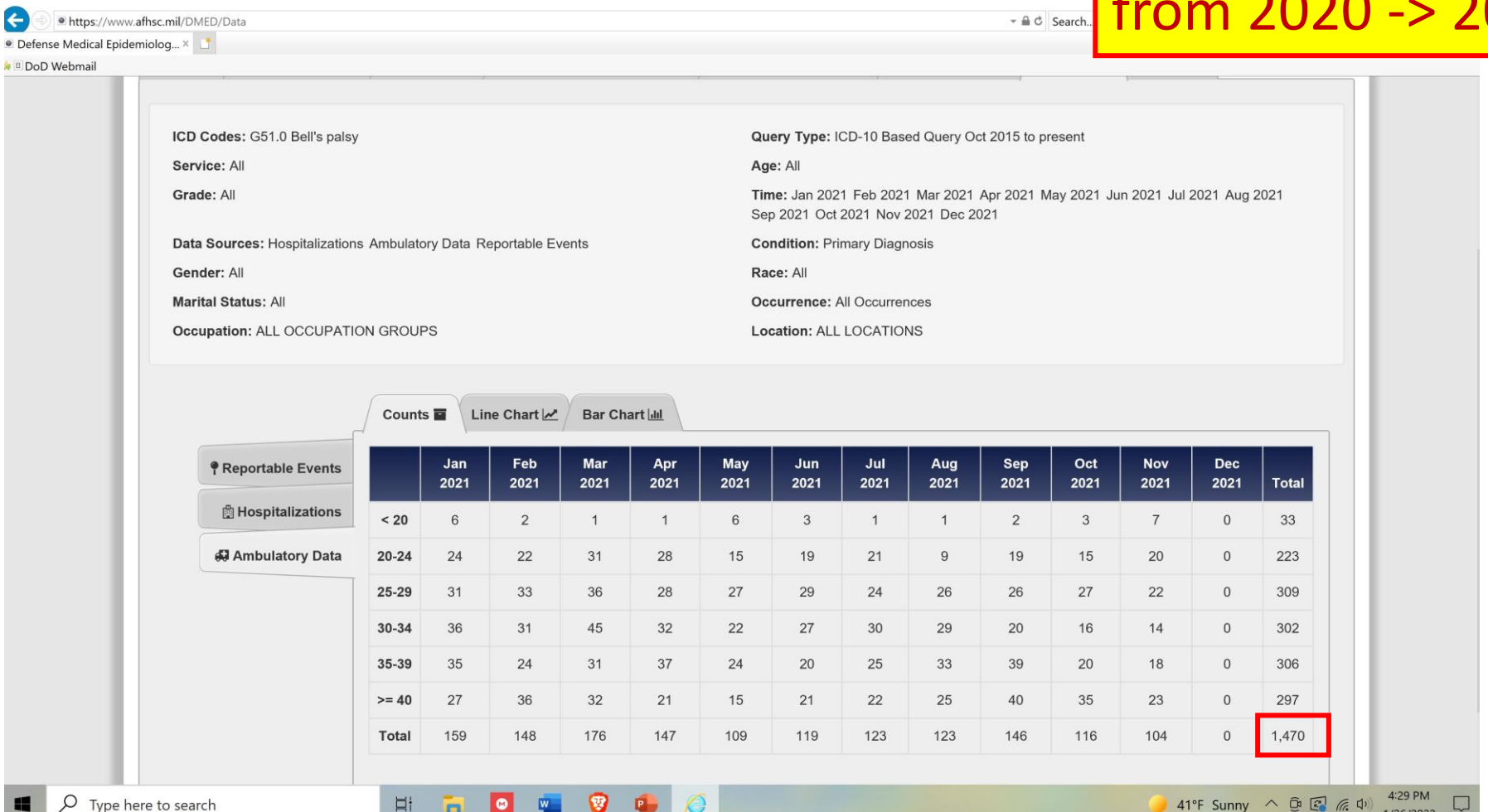
	2016	2017	2018	2019	2020	Total
< 20	21	13	19	11	21	85
20-24	111	87	90	83	85	456
25-29	111	127	98	113	100	549
30-34	96	85	92	83	87	443
35-39	71	74	72	85	85	387
>= 40	73	76	86	72	72	379
Total	483	462	457	447	450	2,299

Bell's Palsy; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **133**

YTD total (Jan-Nov 2021) – **1,470**

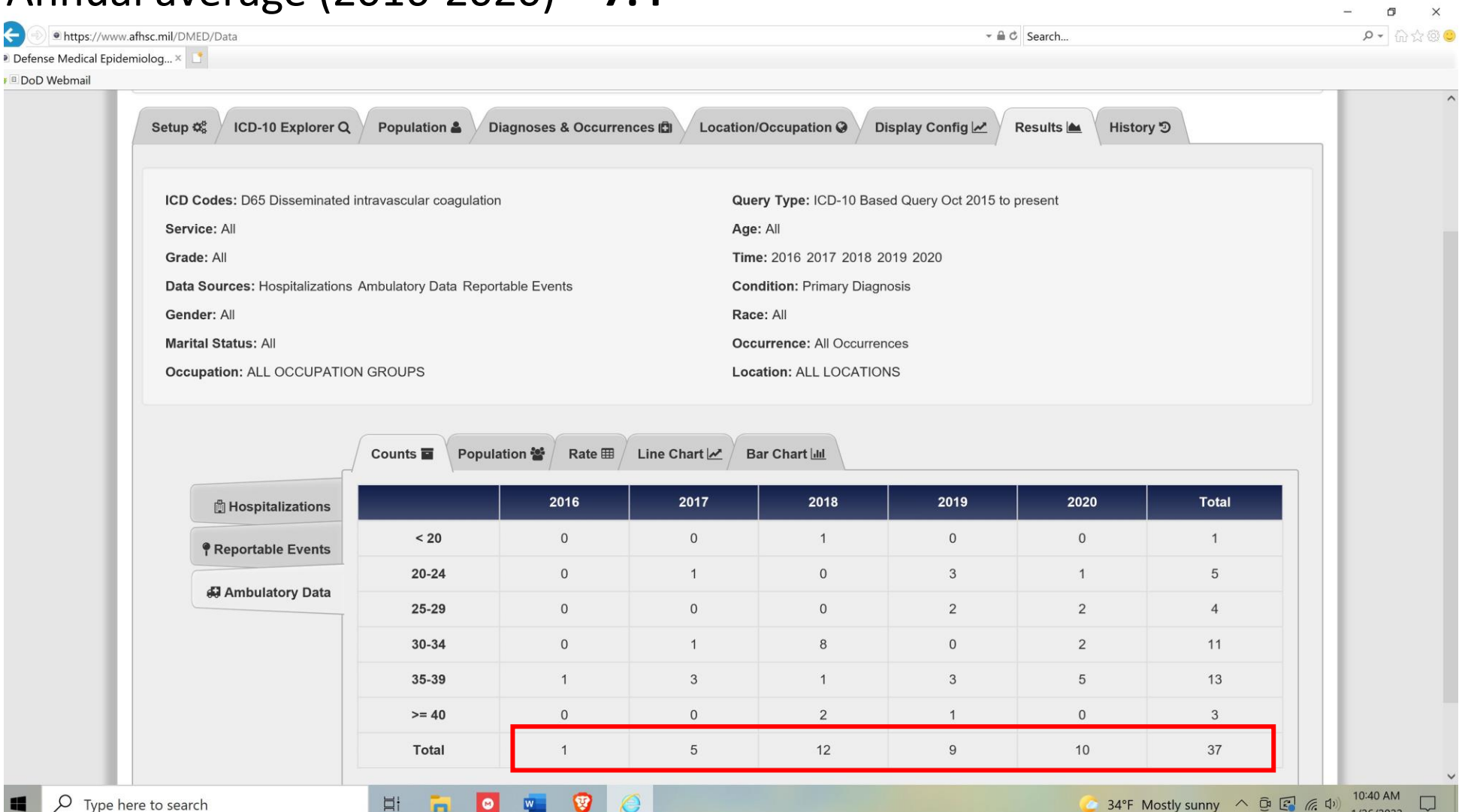
319% Increase (3.19x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	6	2	1	1	6	3	1	1	2	3	7	0	33
20-24	24	22	31	28	15	19	21	9	19	15	20	0	223
25-29	31	33	36	28	27	29	24	26	26	27	22	0	309
30-34	36	31	45	32	22	27	30	29	20	16	14	0	302
35-39	35	24	31	37	24	20	25	33	39	20	18	0	306
>= 40	27	36	32	21	15	21	22	25	40	35	23	0	297
Total	159	148	176	147	109	119	123	123	146	116	104	0	1,470

DIC; 2016-2020

Annual average (2016-2020) – **7.4**



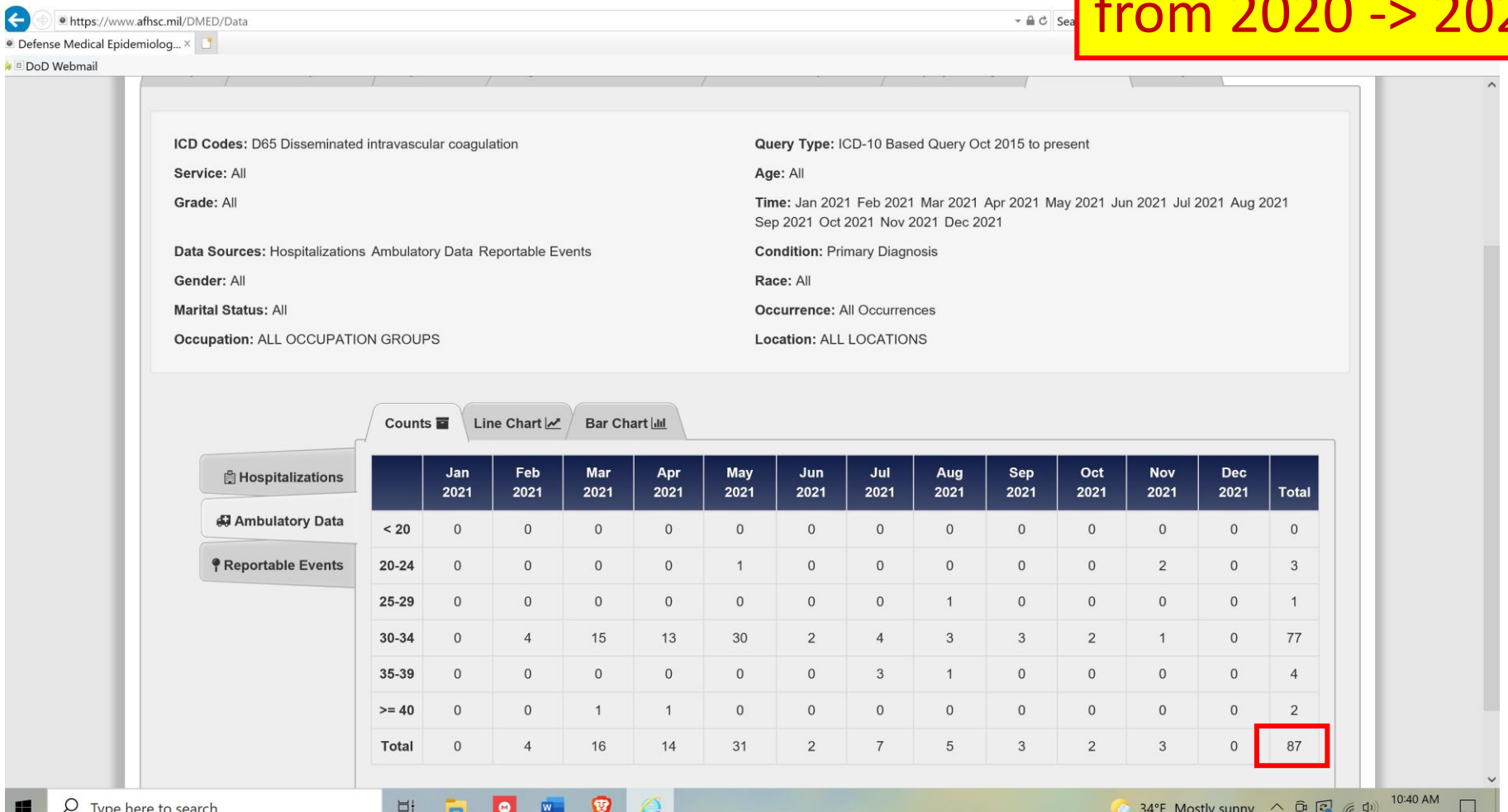
	2016	2017	2018	2019	2020	Total
< 20	0	0	1	0	0	1
20-24	0	1	0	3	1	5
25-29	0	0	0	2	2	4
30-34	0	1	8	0	2	11
35-39	1	3	1	3	5	13
>= 40	0	0	2	1	0	3
Total	1	5	12	9	10	37

DIC; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **7.9**

YTD total (Jan-Nov 2021) – **87**

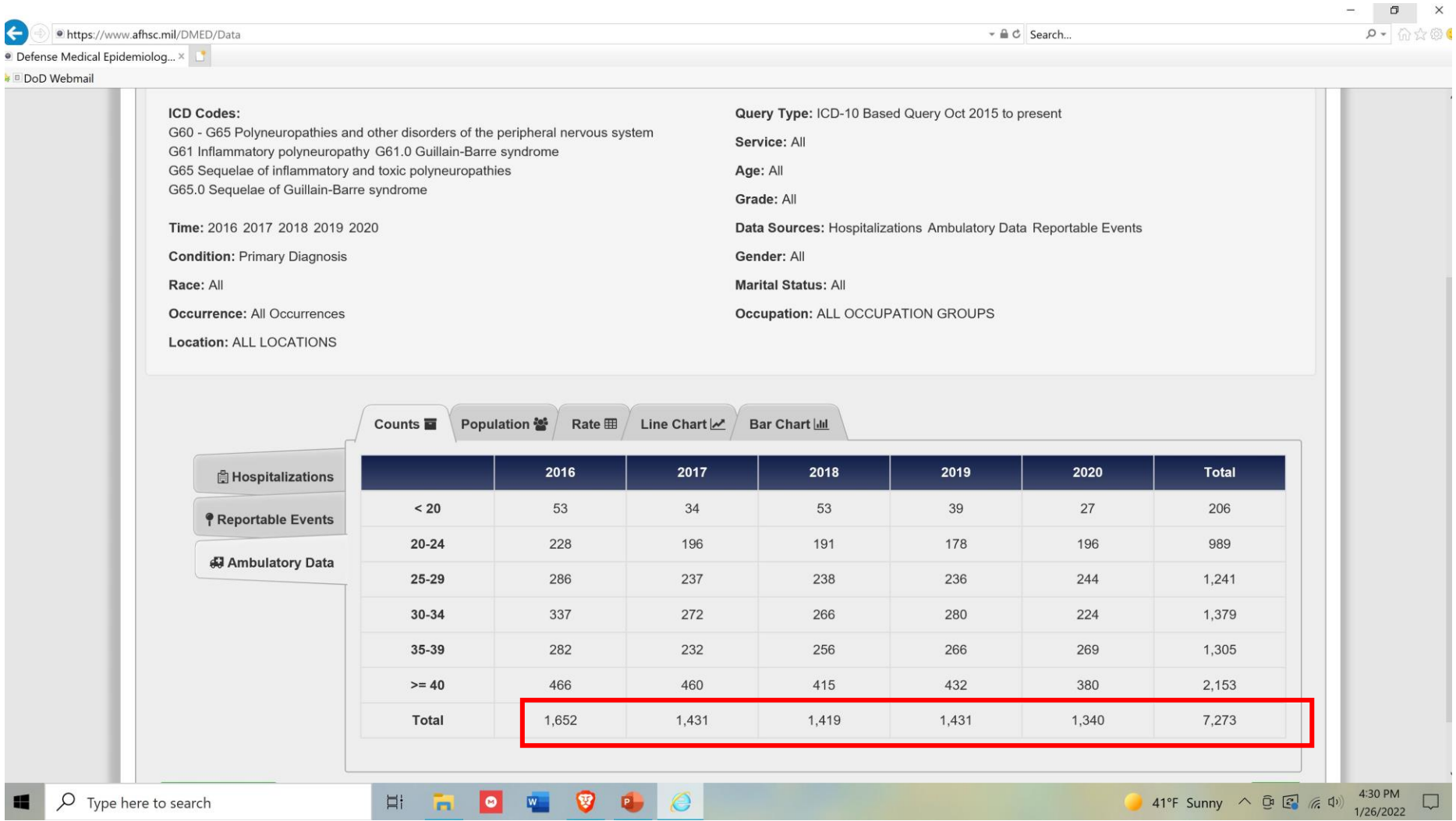
1,175% Increase (11.75x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	0	0	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	1	0	0	0	0	0	2	0	3
25-29	0	0	0	0	0	0	0	1	0	0	0	0	1
30-34	0	4	15	13	30	2	4	3	3	2	1	0	77
35-39	0	0	0	0	0	0	3	1	0	0	0	0	4
>= 40	0	0	1	1	0	0	0	0	0	0	0	0	2
Total	0	4	16	14	31	2	7	5	3	2	3	0	87

Guillain-Barre Sydrome; 2016-2020

Annual average (2016-2020) – **1,454**

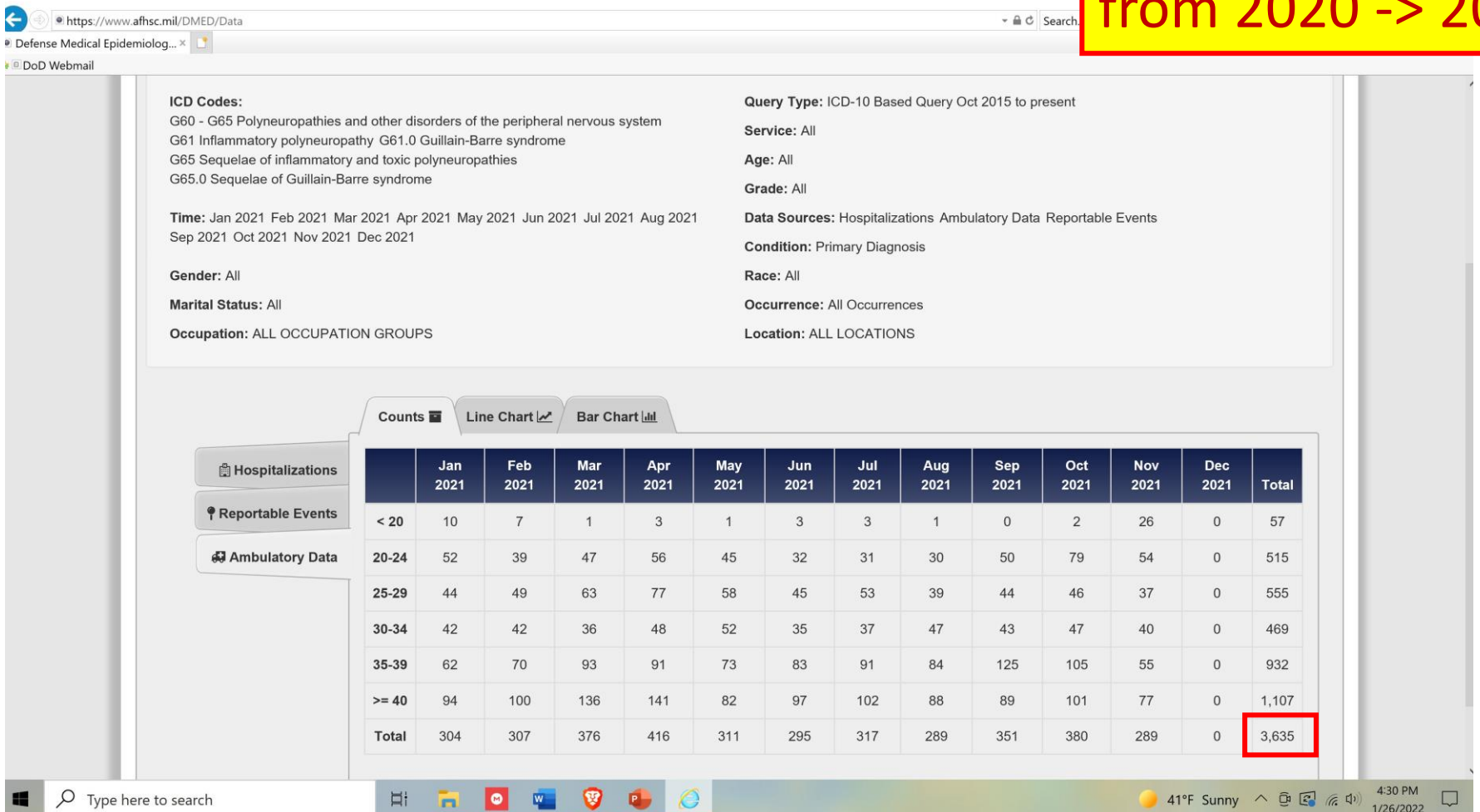


Guillain-Barre Syndrome; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **330**

YTD total (Jan-Nov 2021) – **3,635**

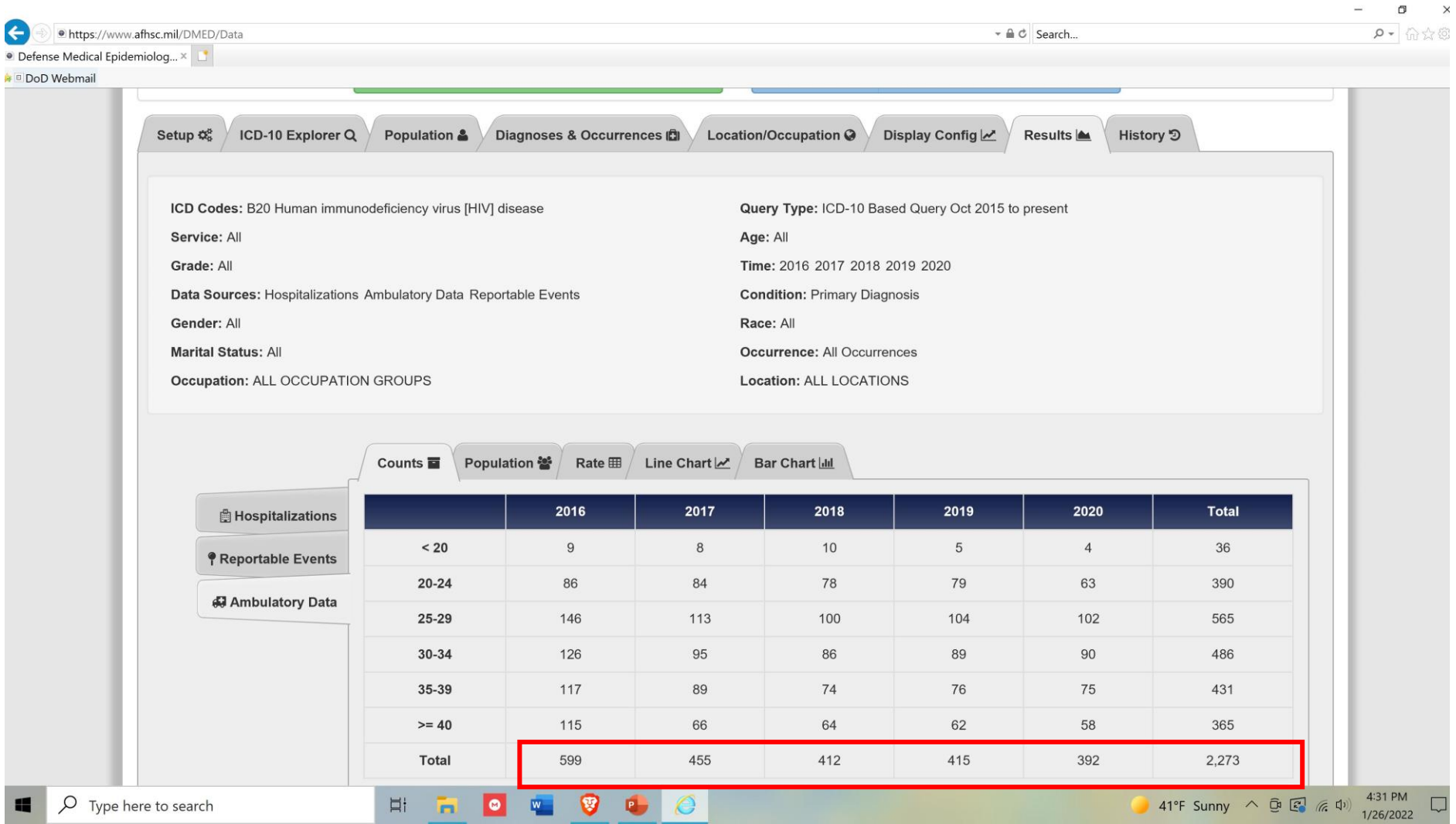
250% Increase (2.5x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	10	7	1	3	1	3	3	1	0	2	26	0	57
20-24	52	39	47	56	45	32	31	30	50	79	54	0	515
25-29	44	49	63	77	58	45	53	39	44	46	37	0	555
30-34	42	42	36	48	52	35	37	47	43	47	40	0	469
35-39	62	70	93	91	73	83	91	84	125	105	55	0	932
>= 40	94	100	136	141	82	97	102	88	89	101	77	0	1,107
Total	304	307	376	416	311	295	317	289	351	380	289	0	3,635

HIV; 2016-2020

Annual average (2016-2020) – **454**



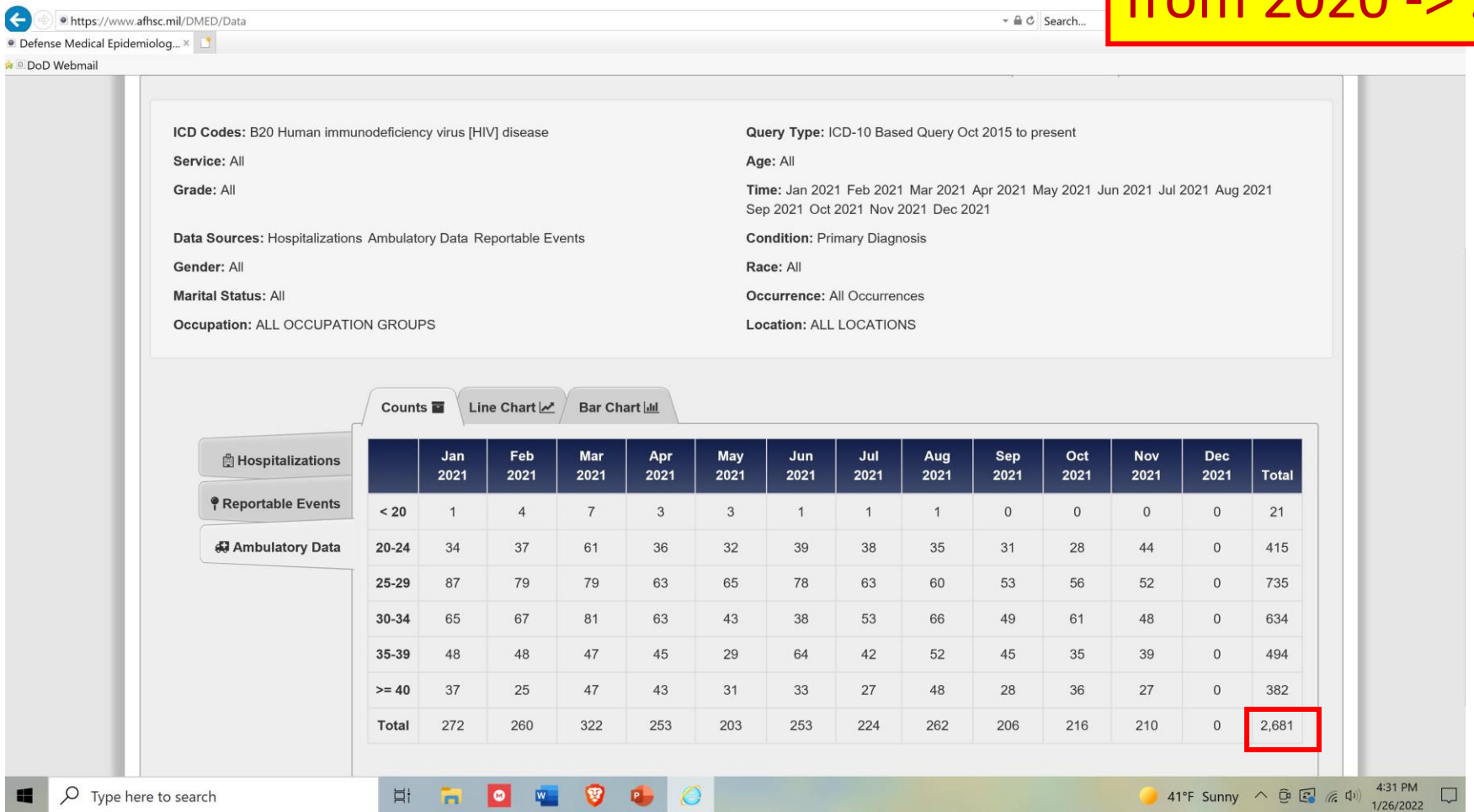
	2016	2017	2018	2019	2020	Total
< 20	9	8	10	5	4	36
20-24	86	84	78	79	63	390
25-29	146	113	100	104	102	565
30-34	126	95	86	89	90	486
35-39	117	89	74	76	75	431
>= 40	115	66	64	62	58	365
Total	599	455	412	415	392	2,273

HIV; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **244**

YTD total (Jan-Nov 2021) – **2,681**

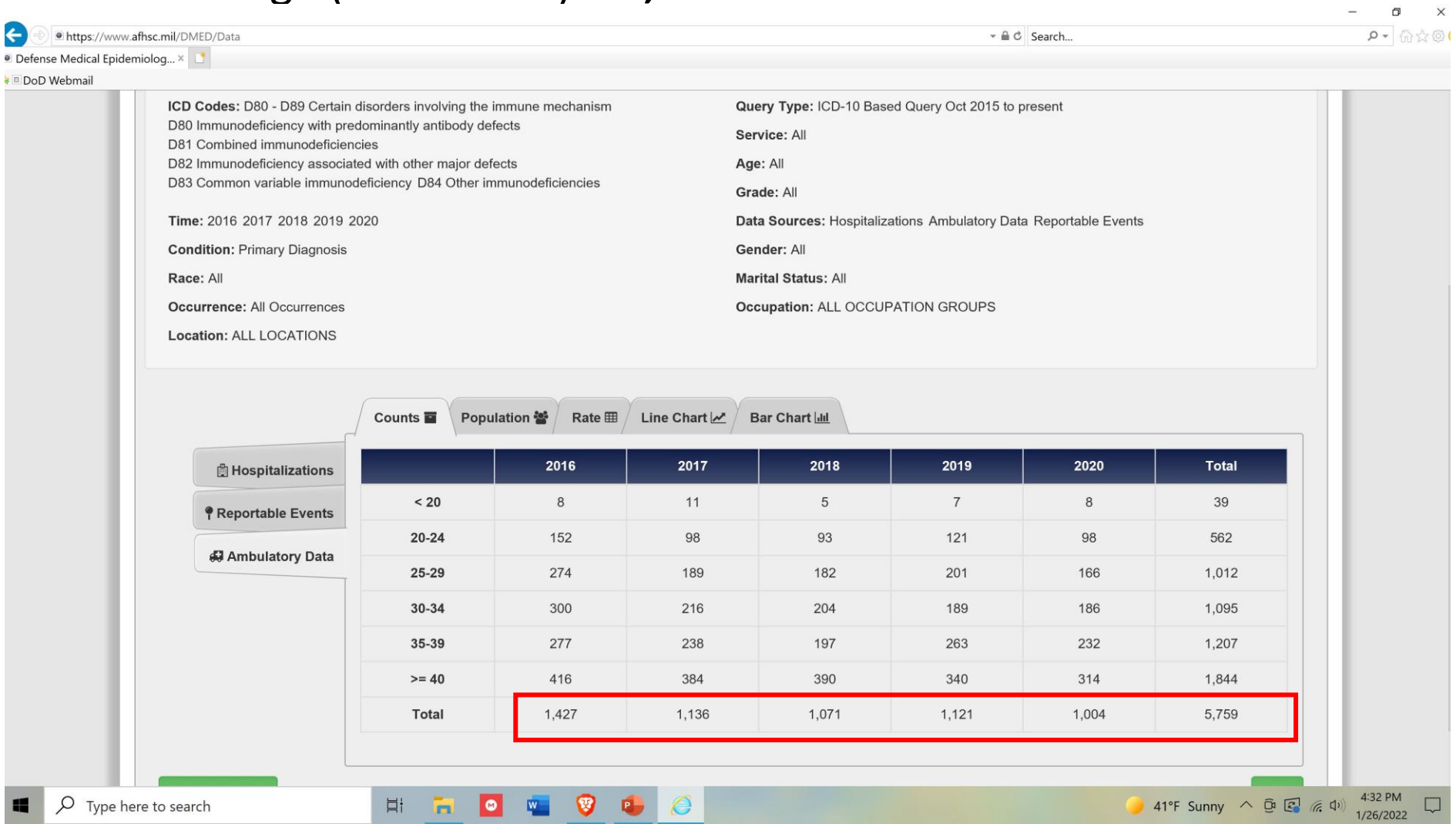
590% Increase (5.9x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	1	4	7	3	3	1	1	1	0	0	0	0	21
20-24	34	37	61	36	32	39	38	35	31	28	44	0	415
25-29	87	79	79	63	65	78	63	60	53	56	52	0	735
30-34	65	67	81	63	43	38	53	66	49	61	48	0	634
35-39	48	48	47	45	29	64	42	52	45	35	39	0	494
>= 40	37	25	47	43	31	33	27	48	28	36	27	0	382
Total	272	260	322	253	203	253	224	262	206	216	210	0	2,681

Immunodeficiencies; 2016-2020

Annual average (2016-2020) – **1,152**



https://www.afhsc.mil/DMED/Data

Defense Medical Epidemiolog...

DoD Webmail

ICD Codes: D80 - D89 Certain disorders involving the immune mechanism
D80 Immunodeficiency with predominantly antibody defects
D81 Combined immunodeficiencies
D82 Immunodeficiency associated with other major defects
D83 Common variable immunodeficiency D84 Other immunodeficiencies

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Query Type: ICD-10 Based Query Oct 2015 to present

Service: All

Age: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Counts | Population | Rate | Line Chart | Bar Chart

Hospitalizations
Reportable Events
Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	8	11	5	7	8	39
20-24	152	98	93	121	98	562
25-29	274	189	182	201	166	1,012
30-34	300	216	204	189	186	1,095
35-39	277	238	197	263	232	1,207
>= 40	416	384	390	340	314	1,844
Total	1,427	1,136	1,071	1,121	1,004	5,759

Type here to search

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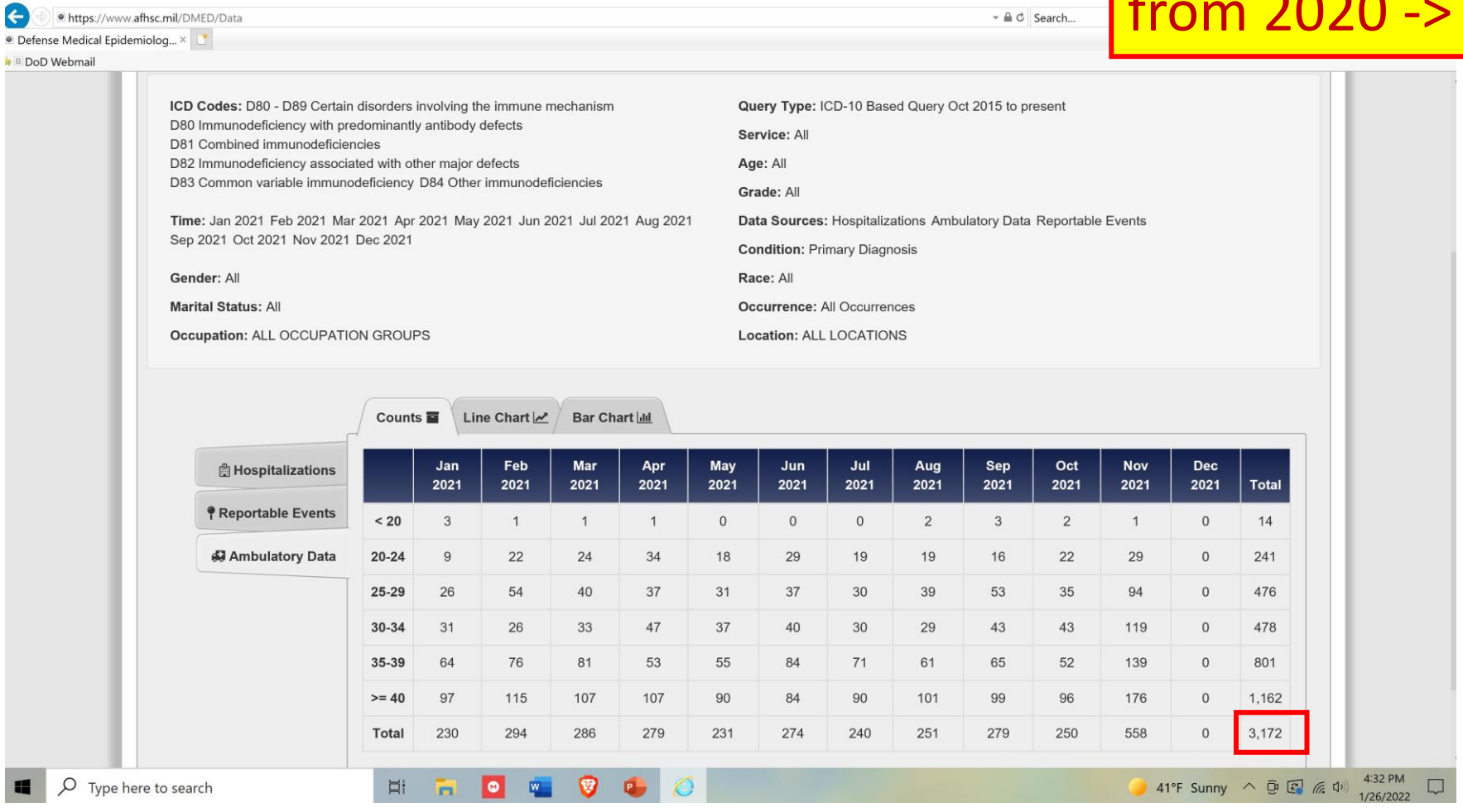
Immunodeficiencies; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **288**

YTD total (Jan-Nov 2021) – **3,172**

275% Increase (2.75x)
from 2020 -> 2021



https://www.afhsc.mil/DMED/Data

Defense Medical Epidemiolog...

DoD Webmail

ICD Codes: D80 - D89 Certain disorders involving the immune mechanism
D80 Immunodeficiency with predominantly antibody defects
D81 Combined immunodeficiencies
D82 Immunodeficiency associated with other major defects
D83 Common variable immunodeficiency D84 Other immunodeficiencies

Time: Jan 2021 Feb 2021 Mar 2021 Apr 2021 May 2021 Jun 2021 Jul 2021 Aug 2021 Sep 2021 Oct 2021 Nov 2021 Dec 2021

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Query Type: ICD-10 Based Query Oct 2015 to present

Service: All

Age: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Counts | Line Chart | Bar Chart

Hospitalizations
Reportable Events
Ambulatory Data

	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	3	1	1	1	0	0	0	2	3	2	1	0	14
20-24	9	22	24	34	18	29	19	19	16	22	29	0	241
25-29	26	54	40	37	31	37	30	39	53	35	94	0	476
30-34	31	26	33	47	37	40	30	29	43	43	119	0	478
35-39	64	76	81	53	55	84	71	61	65	52	139	0	801
>= 40	97	115	107	107	90	84	90	101	99	96	176	0	1,162
Total	230	294	286	279	231	274	240	251	279	250	558	0	3,172

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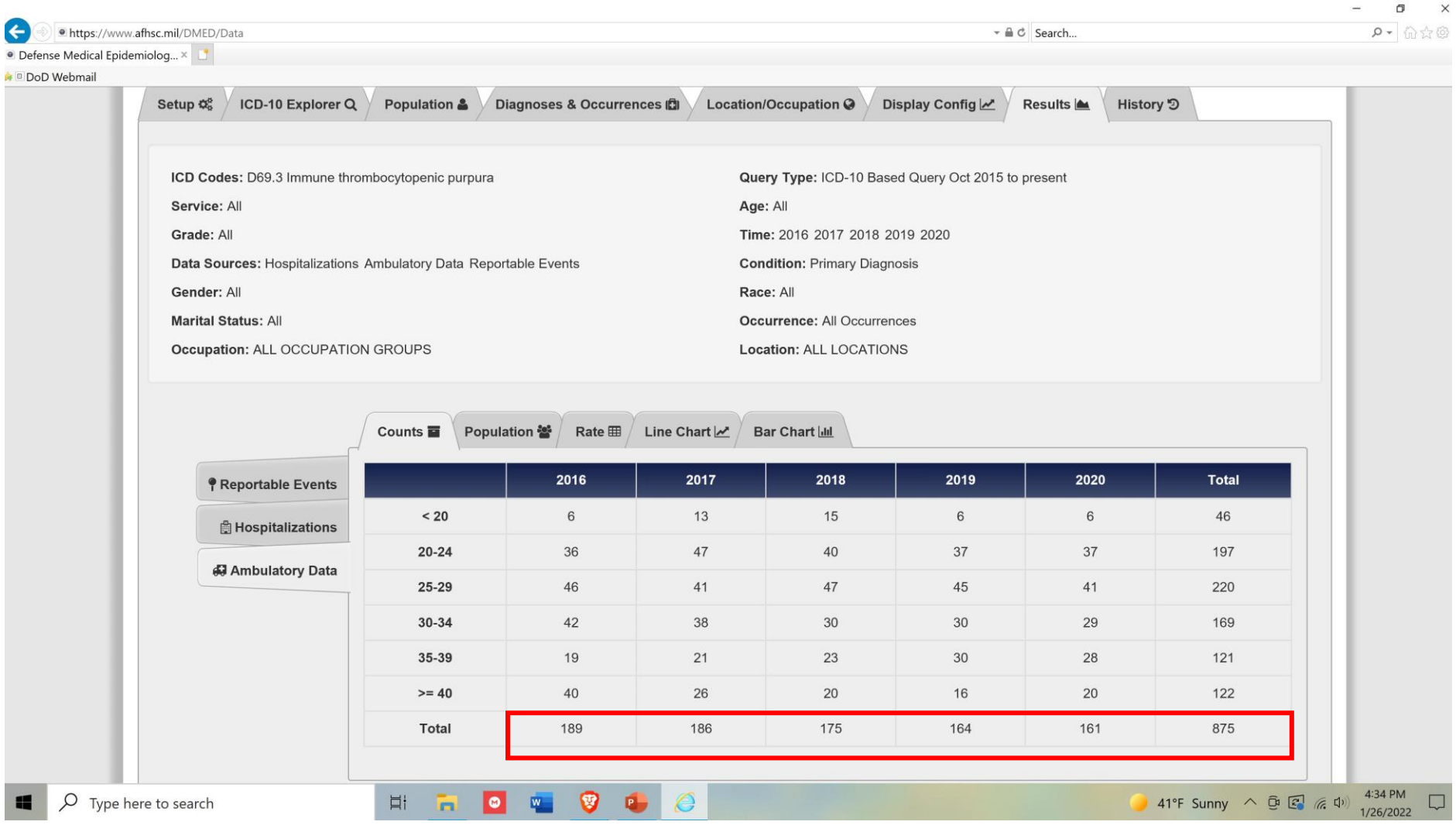
ITP; 2016-2020

Annual average (2016-2020) – **175**



https://www.afhsc.mil/DMED/Data

Search...

Defense Medical Epidemiolog...

DoD Webmail

Setup | ICD-10 Explorer | Population | Diagnoses & Occurrences | Location/Occupation | Display Config | Results | History

ICD Codes: D69.3 Immune thrombocytopenic purpura

Service: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Query Type: ICD-10 Based Query Oct 2015 to present

Age: All

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Counts | Population | Rate | Line Chart | Bar Chart

Reportable Events

Hospitalizations

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	6	13	15	6	6	46
20-24	36	47	40	37	37	197
25-29	46	41	47	45	41	220
30-34	42	38	30	30	29	169
35-39	19	21	23	30	28	121
>= 40	40	26	20	16	20	122
Total	189	186	175	164	161	875

Type here to search

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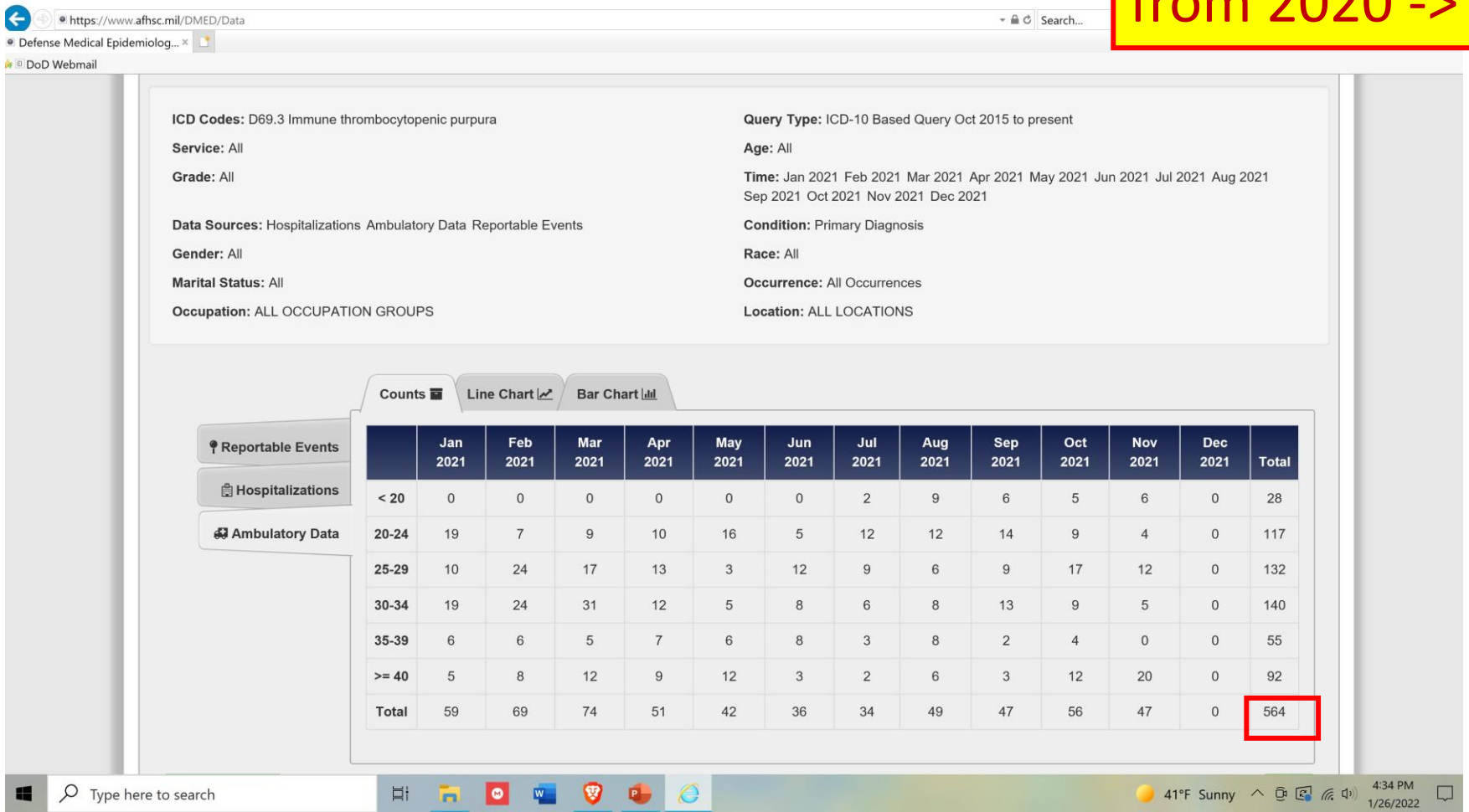
1/26/2022

ITP; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **51**

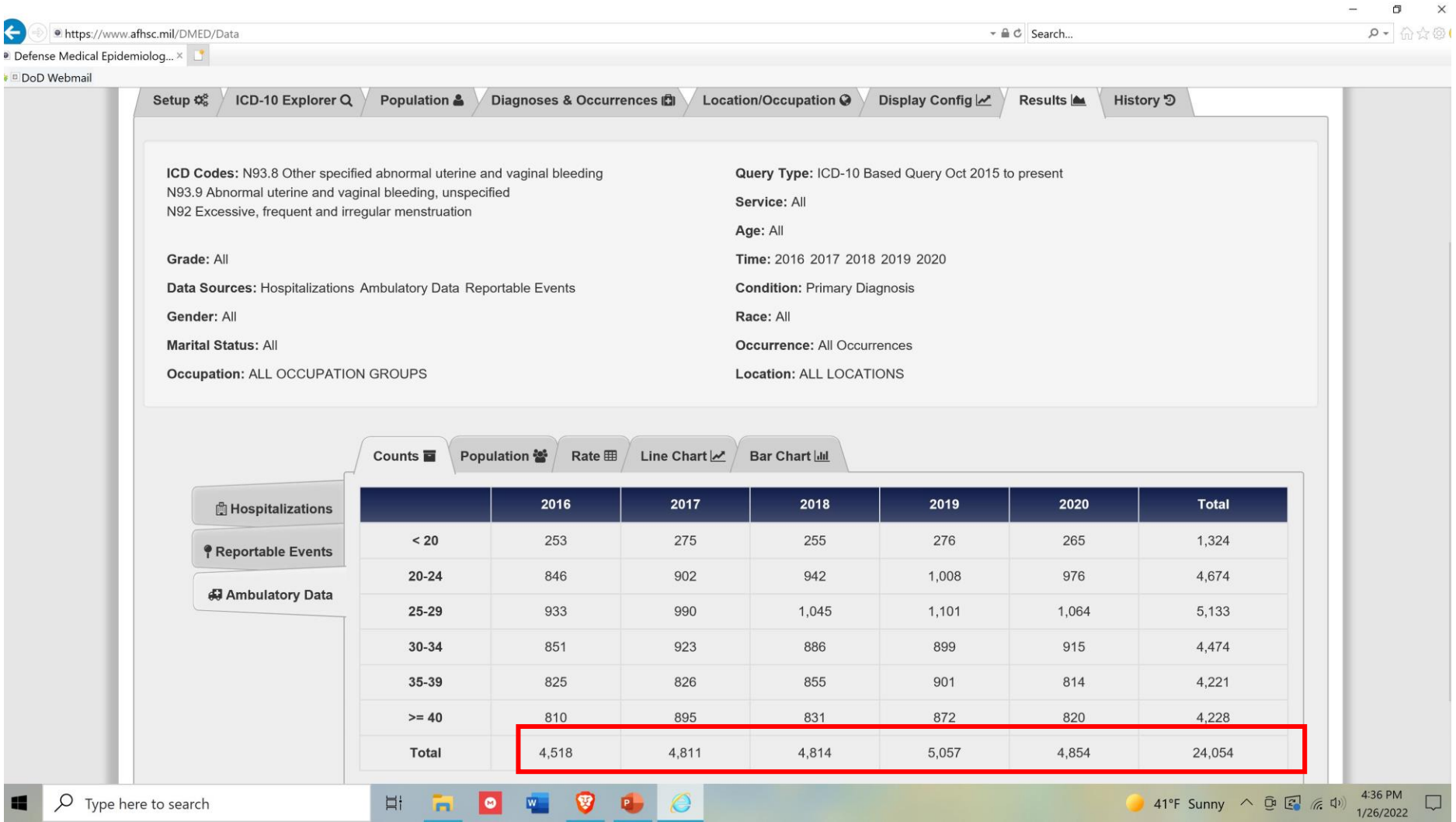
YTD total (Jan-Nov 2021) – **564**

322% Increase (3.22x)
from 2020 -> 2021



Menstrual Irregularity; 2016-2020

Annual average (2016-2020) – **4,810**



https://www.afhsc.mil/DMED/Data

Search...

Defense Medical Epidemiolog...

DoD Webmail

Setup | ICD-10 Explorer | Population | Diagnoses & Occurrences | Location/Occupation | Display Config | Results | History

ICD Codes: N93.8 Other specified abnormal uterine and vaginal bleeding
N93.9 Abnormal uterine and vaginal bleeding, unspecified
N92 Excessive, frequent and irregular menstruation

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Query Type: ICD-10 Based Query Oct 2015 to present

Service: All

Age: All

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Counts | Population | Rate | Line Chart | Bar Chart

Hospitalizations

Reportable Events

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	253	275	255	276	265	1,324
20-24	846	902	942	1,008	976	4,674
25-29	933	990	1,045	1,101	1,064	5,133
30-34	851	923	886	899	915	4,474
35-39	825	826	855	901	814	4,221
>= 40	810	895	831	872	820	4,228
Total	4,518	4,811	4,814	5,057	4,854	24,054

Type here to search

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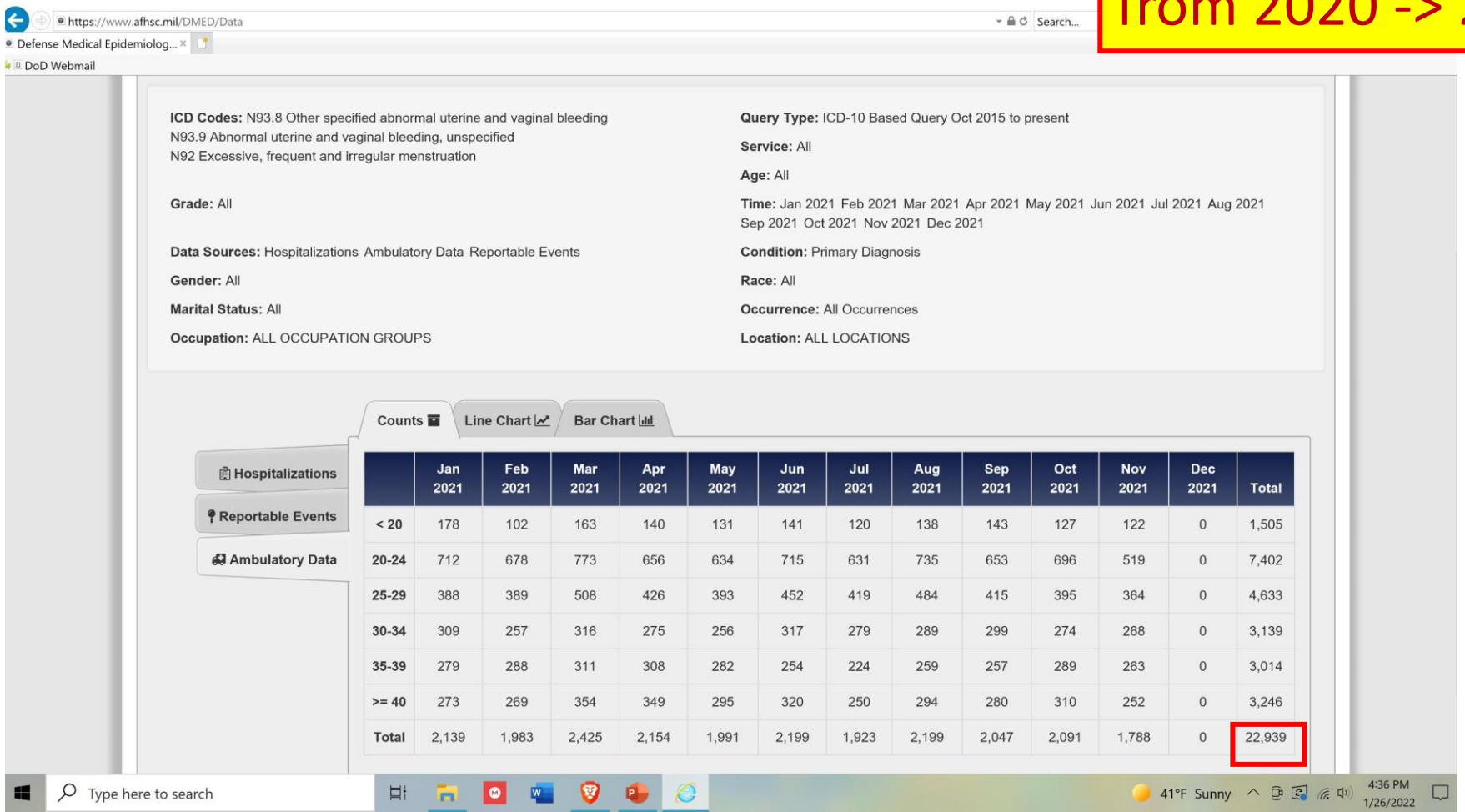
Menstrual Irregularity; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **2,085**

YTD total (Jan-Nov 2021) – **22,938**

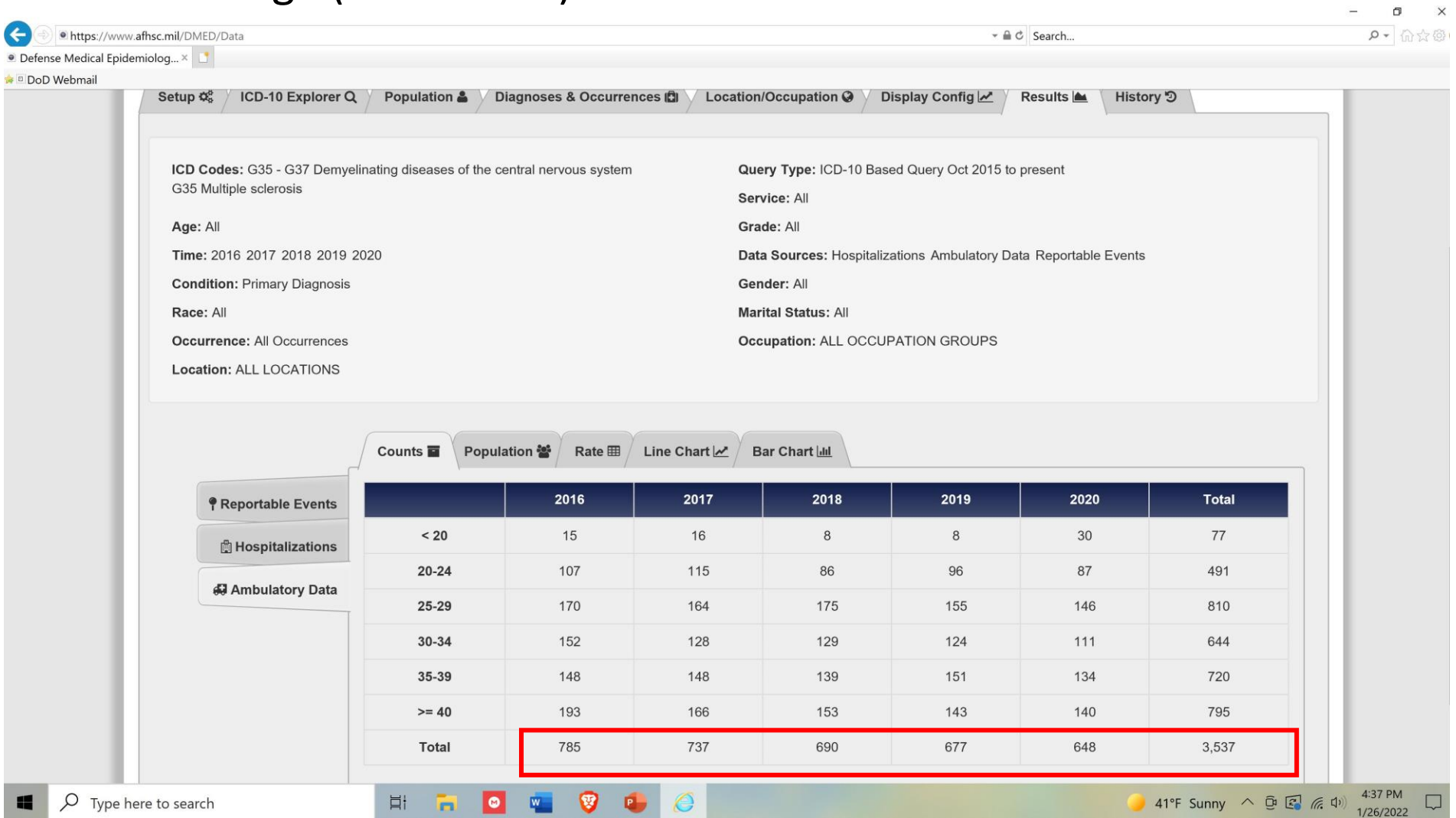
476% Increase (4.76x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	178	102	163	140	131	141	120	138	143	127	122	0	1,505
20-24	712	678	773	656	634	715	631	735	653	696	519	0	7,402
25-29	388	389	508	426	393	452	419	484	415	395	364	0	4,633
30-34	309	257	316	275	256	317	279	289	299	274	268	0	3,139
35-39	279	288	311	308	282	254	224	259	257	289	263	0	3,014
>= 40	273	269	354	349	295	320	250	294	280	310	252	0	3,246
Total	2,139	1,983	2,425	2,154	1,991	2,199	1,923	2,199	2,047	2,091	1,788	0	22,939

MS/Demyelinating Dz; 2016-2020

Annual average (2016-2020) – **707**



https://www.afhsc.mil/DMED/Data

Search...

Defense Medical Epidemiolog...

DoD Webmail

Setup | ICD-10 Explorer | Population | Diagnoses & Occurrences | Location/Occupation | Display Config | Results | History

ICD Codes: G35 - G37 Demyelinating diseases of the central nervous system
G35 Multiple sclerosis

Age: All

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Query Type: ICD-10 Based Query Oct 2015 to present

Service: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Counts | Population | Rate | Line Chart | Bar Chart

Reportable Events

Hospitalizations

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	15	16	8	8	30	77
20-24	107	115	86	96	87	491
25-29	170	164	175	155	146	810
30-34	152	128	129	124	111	644
35-39	148	148	139	151	134	720
>= 40	193	166	153	143	140	795
Total	785	737	690	677	648	3,537

Type here to search

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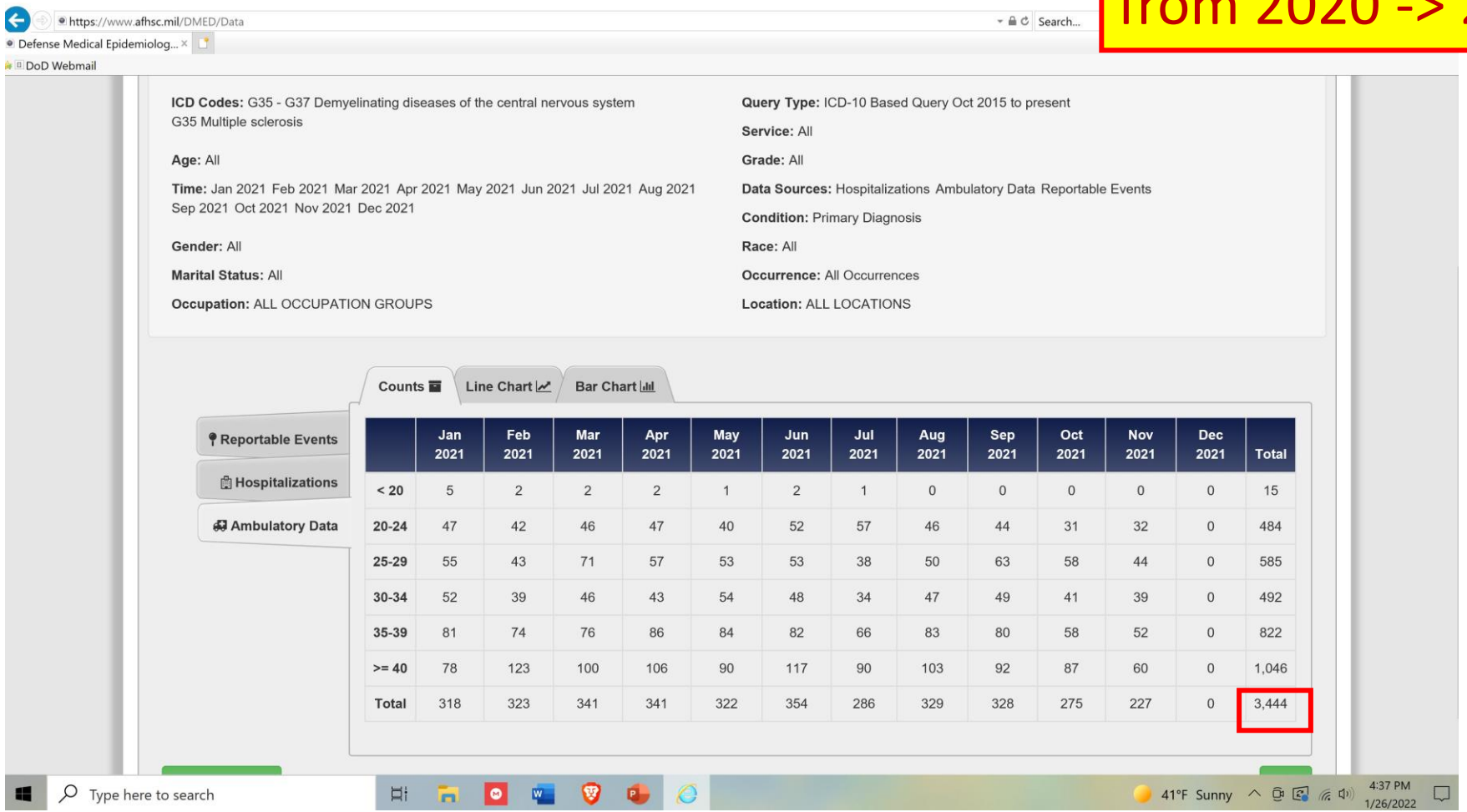
MS/Demyelinating Dz; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **313**

YTD total (Jan-Nov 2021) – **3,444**

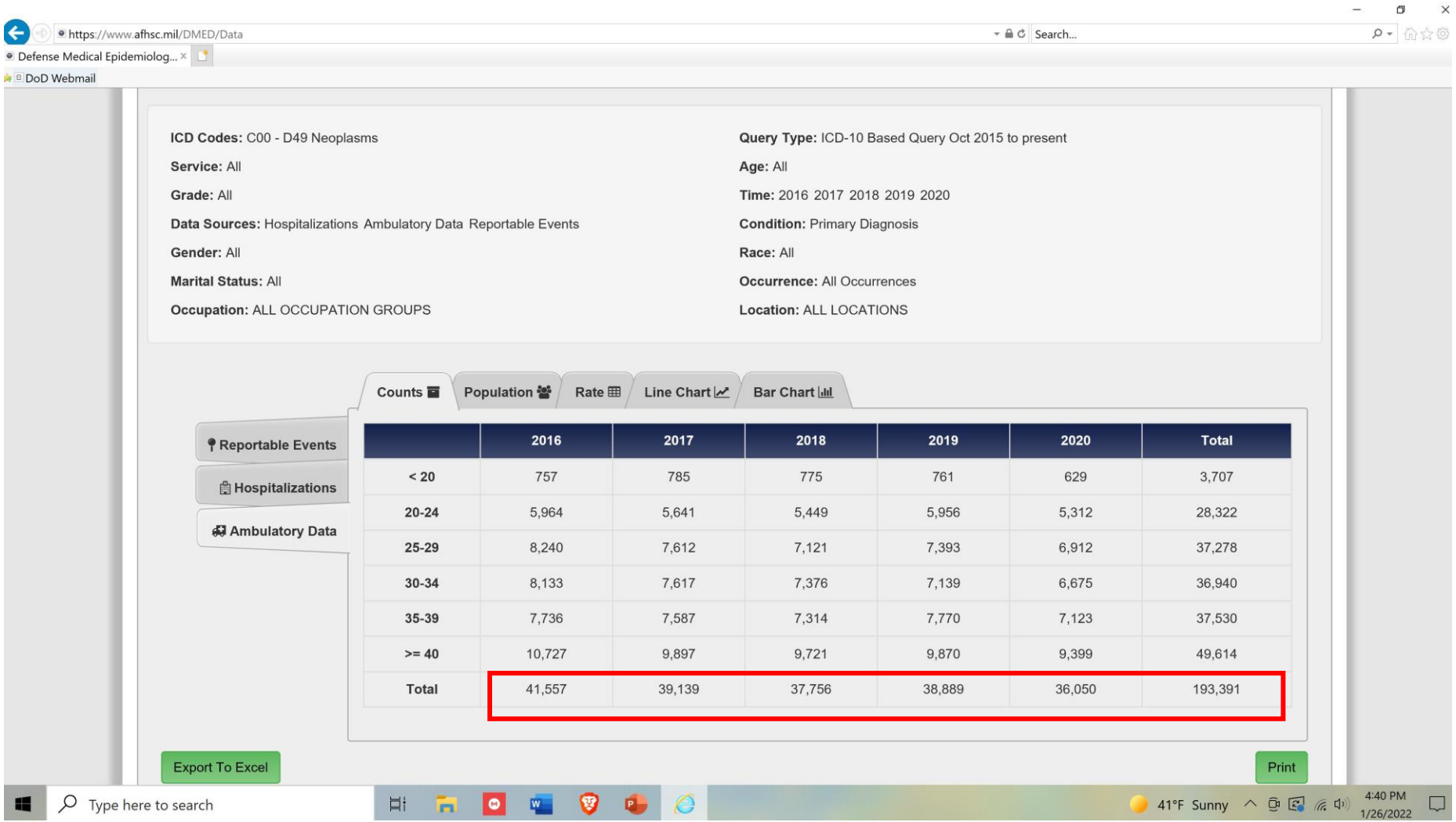
487% Increase (4.87x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	5	2	2	2	1	2	1	0	0	0	0	0	15
20-24	47	42	46	47	40	52	57	46	44	31	32	0	484
25-29	55	43	71	57	53	53	38	50	63	58	44	0	585
30-34	52	39	46	43	54	48	34	47	49	41	39	0	492
35-39	81	74	76	86	84	82	66	83	80	58	52	0	822
>= 40	78	123	100	106	90	117	90	103	92	87	60	0	1,046
Total	318	323	341	341	322	354	286	329	328	275	227	0	3,444

Neoplasms; 2016-2020

Annual average (2016-2020) – **38,678**



https://www.afhsc.mil/DMED/Data

Defense Medical Epidemiolog...

DoD Webmail

Search...

ICD Codes: C00 - D49 Neoplasms

Service: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Query Type: ICD-10 Based Query Oct 2015 to present

Age: All

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Counts | Population | Rate | Line Chart | Bar Chart

Reportable Events

Hospitalizations

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	757	785	775	761	629	3,707
20-24	5,964	5,641	5,449	5,956	5,312	28,322
25-29	8,240	7,612	7,121	7,393	6,912	37,278
30-34	8,133	7,617	7,376	7,139	6,675	36,940
35-39	7,736	7,587	7,314	7,770	7,123	37,530
>= 40	10,727	9,897	9,721	9,870	9,399	49,614
Total	41,557	39,139	37,756	38,889	36,050	193,391

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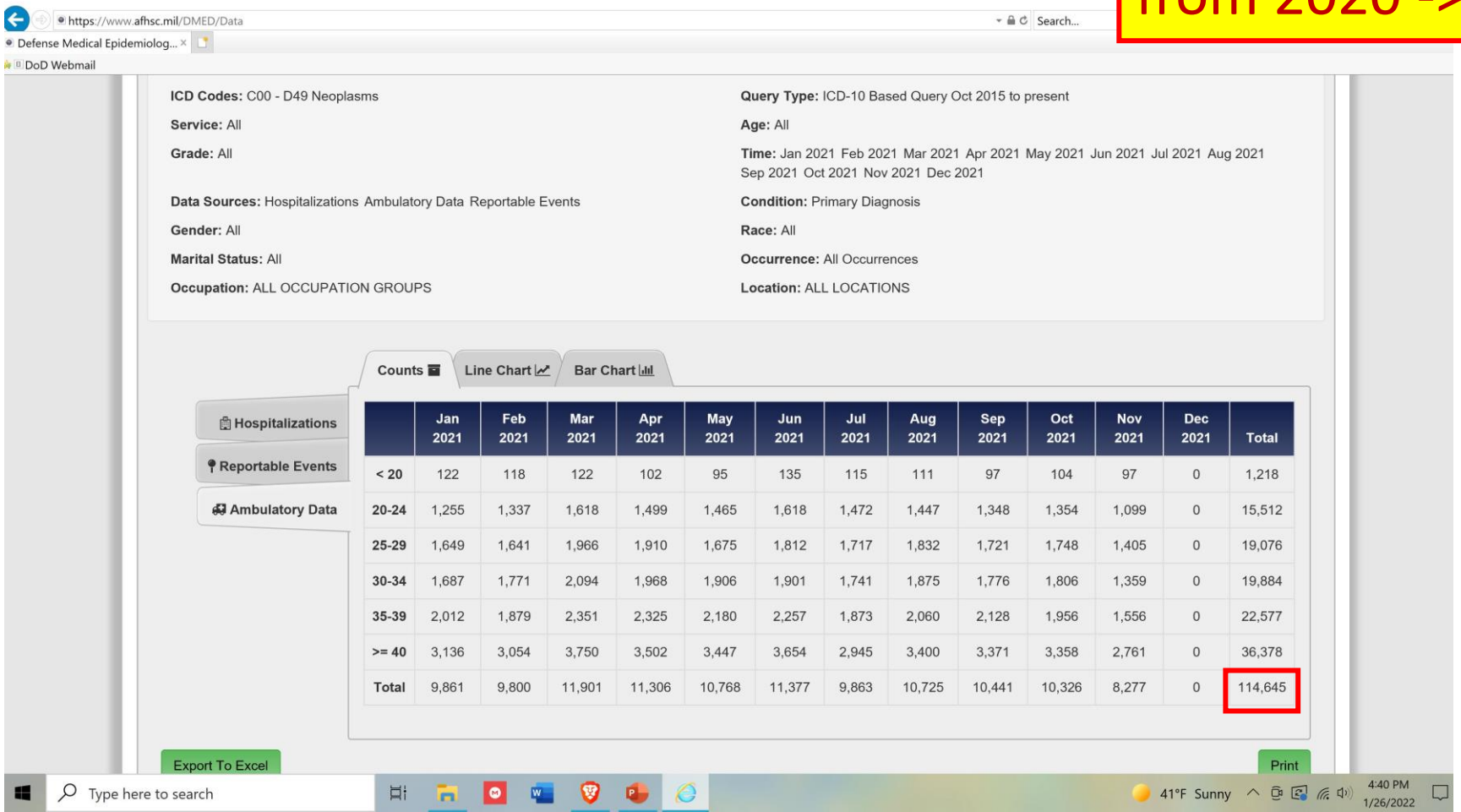
Neoplasms; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **10,422**

YTD total (Jan-Nov 2021) – **114,645**

296% Increase (2.96x)
from 2020 -> 2021



https://www.afhsc.mil/DMED/Data

Defense Medical Epidemiolog...

DoD Webmail

ICD Codes: C00 - D49 Neoplasms

Query Type: ICD-10 Based Query Oct 2015 to present

Service: All

Age: All

Grade: All

Time: Jan 2021 Feb 2021 Mar 2021 Apr 2021 May 2021 Jun 2021 Jul 2021 Aug 2021 Sep 2021 Oct 2021 Nov 2021 Dec 2021

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Condition: Primary Diagnosis

Gender: All

Race: All

Marital Status: All

Occurrence: All Occurrences

Occupation: ALL OCCUPATION GROUPS

Location: ALL LOCATIONS

Counts | Line Chart | Bar Chart

Hospitalizations

Reportable Events

Ambulatory Data

	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	122	118	122	102	95	135	115	111	97	104	97	0	1,218
20-24	1,255	1,337	1,618	1,499	1,465	1,618	1,472	1,447	1,348	1,354	1,099	0	15,512
25-29	1,649	1,641	1,966	1,910	1,675	1,812	1,717	1,832	1,721	1,748	1,405	0	19,076
30-34	1,687	1,771	2,094	1,968	1,906	1,901	1,741	1,875	1,776	1,806	1,359	0	19,884
35-39	2,012	1,879	2,351	2,325	2,180	2,257	1,873	2,060	2,128	1,956	1,556	0	22,577
>= 40	3,136	3,054	3,750	3,502	3,447	3,654	2,945	3,400	3,371	3,358	2,761	0	36,378
Total	9,861	9,800	11,901	11,306	10,768	11,377	9,863	10,725	10,441	10,326	8,277	0	114,645

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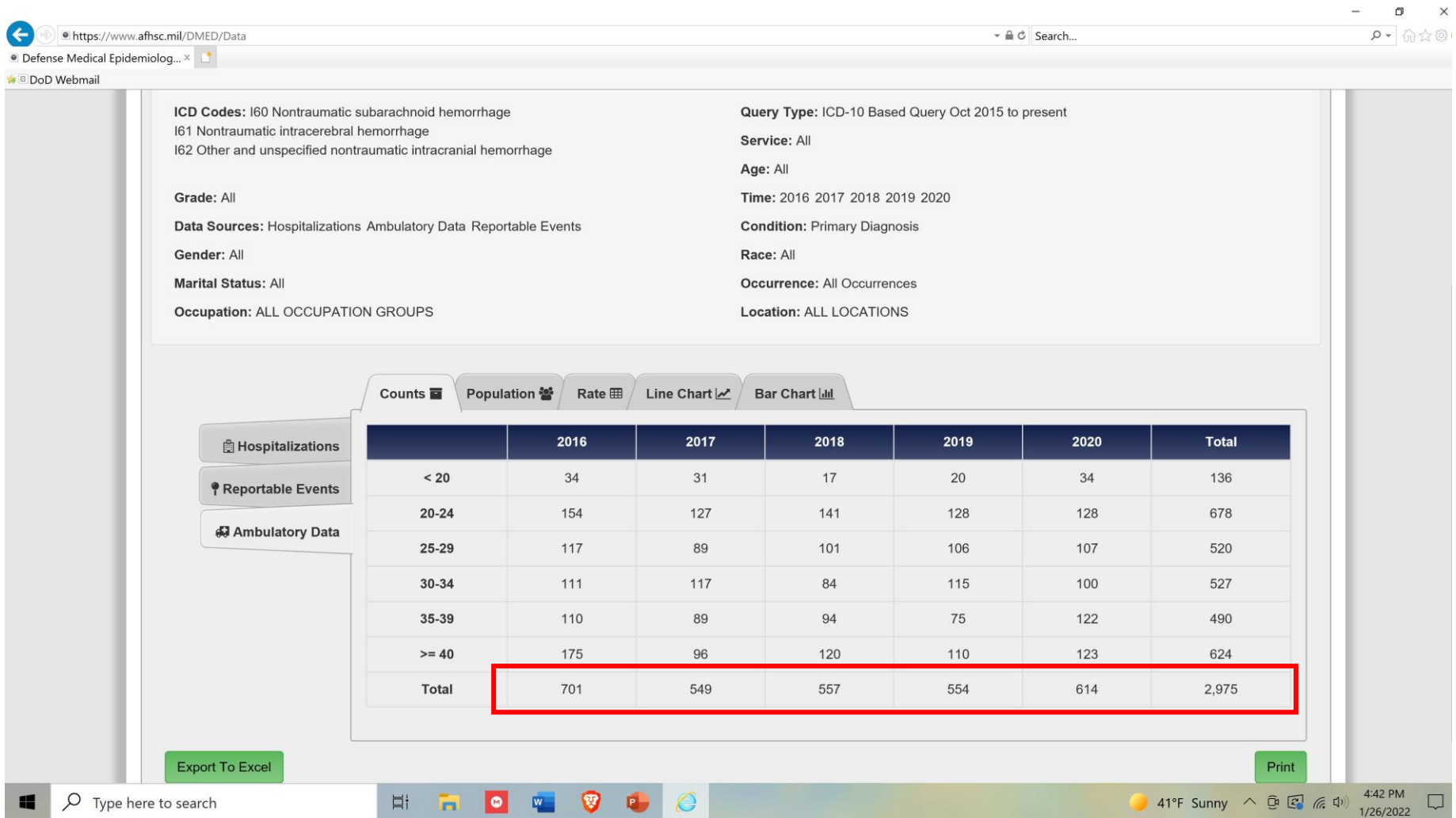
Nontraumatic SAH/ICH; 2016-2020

Annual average (2016-2020) – **595**



https://www.afhsc.mil/DMED/Data

Defense Medical Epidemiolog...

DoD Webmail

Search...

ICD Codes: I60 Nontraumatic subarachnoid hemorrhage
I61 Nontraumatic intracerebral hemorrhage
I62 Other and unspecified nontraumatic intracranial hemorrhage

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Query Type: ICD-10 Based Query Oct 2015 to present

Service: All

Age: All

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Counts | Population | Rate | Line Chart | Bar Chart

Hospitalizations

Reportable Events

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	34	31	17	20	34	136
20-24	154	127	141	128	128	678
25-29	117	89	101	106	107	520
30-34	111	117	84	115	100	527
35-39	110	89	94	75	122	490
>= 40	175	96	120	110	123	624
Total	701	549	557	554	614	2,975

Export To Excel

Print

Type here to search

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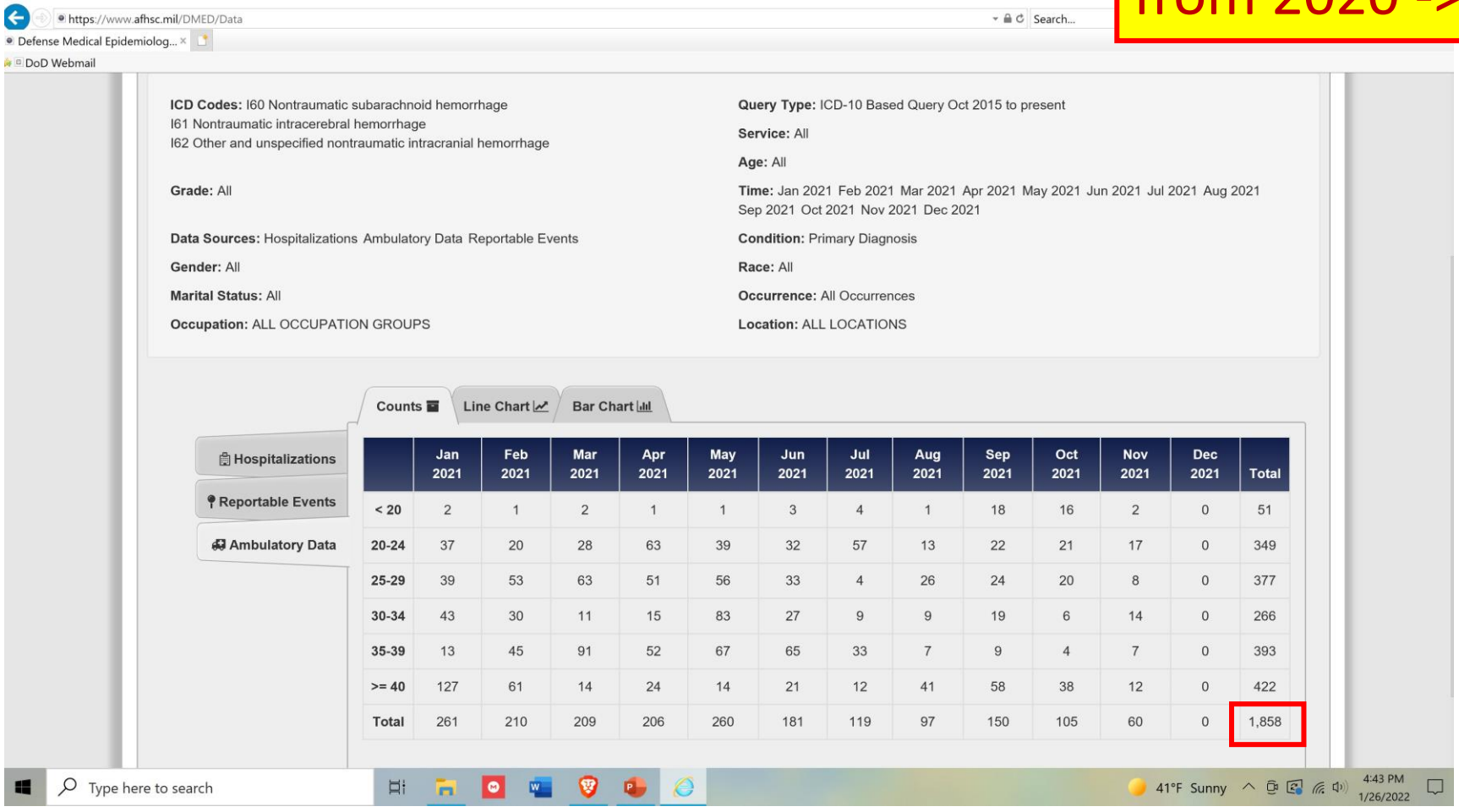
1/26/2022

Nontraumatic SAH/ICH; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **169**

YTD total (Jan-Nov 2021) – **1,858**

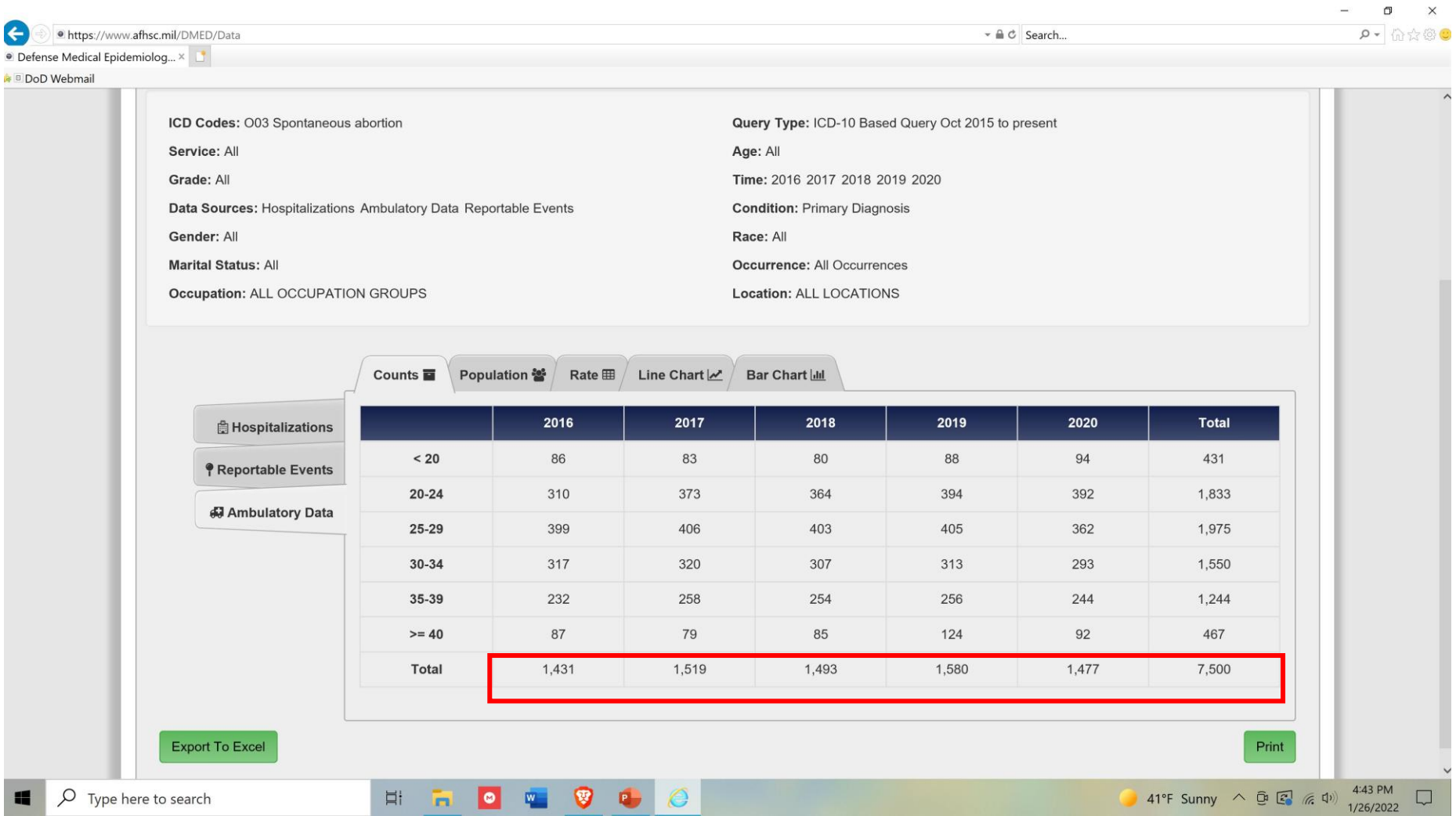
312% Increase (3.12x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	2	1	2	1	1	3	4	1	18	16	2	0	51
20-24	37	20	28	63	39	32	57	13	22	21	17	0	349
25-29	39	53	63	51	56	33	4	26	24	20	8	0	377
30-34	43	30	11	15	83	27	9	9	19	6	14	0	266
35-39	13	45	91	52	67	65	33	7	9	4	7	0	393
>= 40	127	61	14	24	14	21	12	41	58	38	12	0	422
Total	261	210	209	206	260	181	119	97	150	105	60	0	1,858

Spontaneous Abortion; 2016-2020

Annual average (2016-2020) – **1,500**



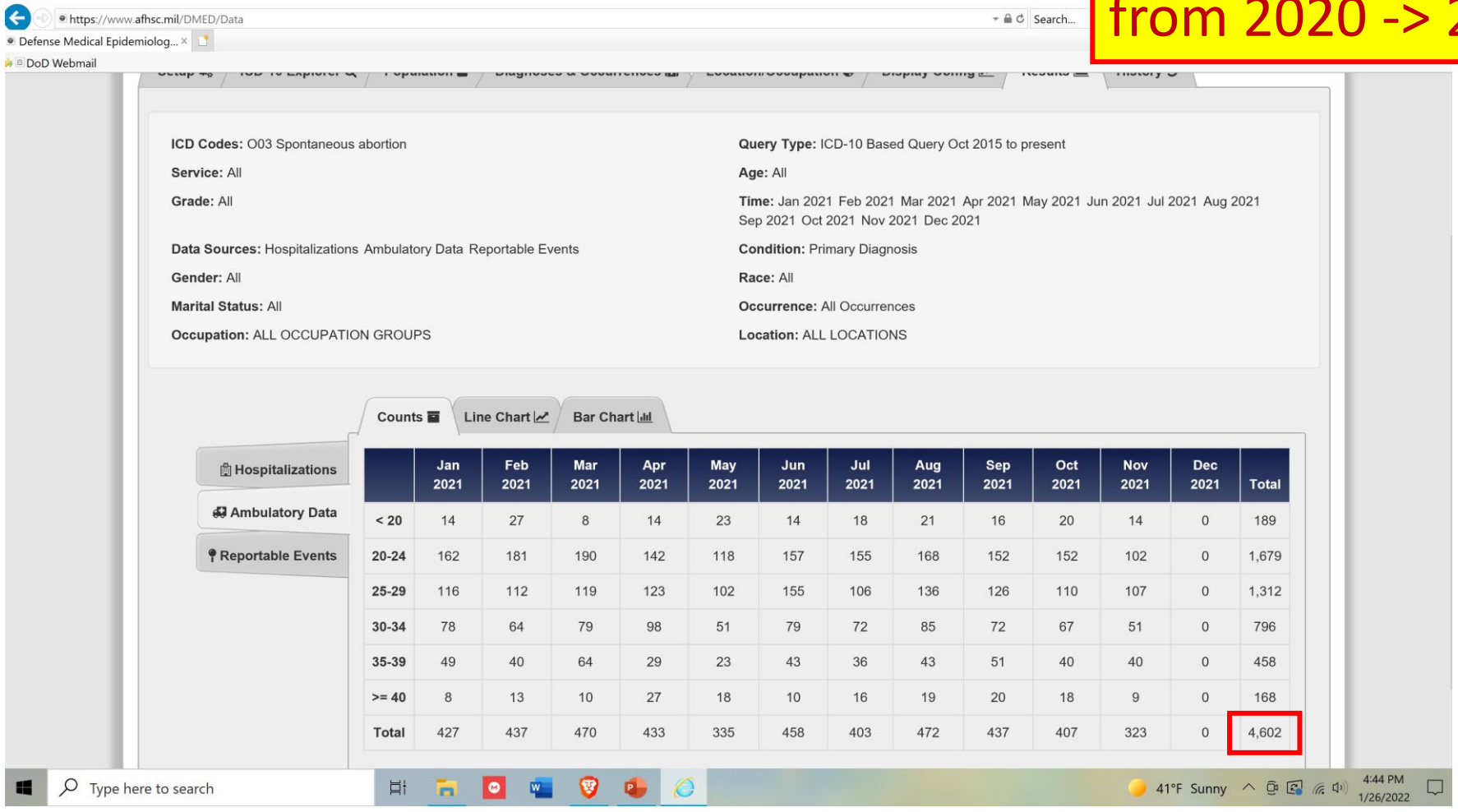
	2016	2017	2018	2019	2020	Total
< 20	86	83	80	88	94	431
20-24	310	373	364	394	392	1,833
25-29	399	406	403	405	362	1,975
30-34	317	320	307	313	293	1,550
35-39	232	258	254	256	244	1,244
>= 40	87	79	85	124	92	467
Total	1,431	1,519	1,493	1,580	1,477	7,500

Spontaneous Abortion; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **418**

YTD total (Jan-Nov 2021) – **4,602**

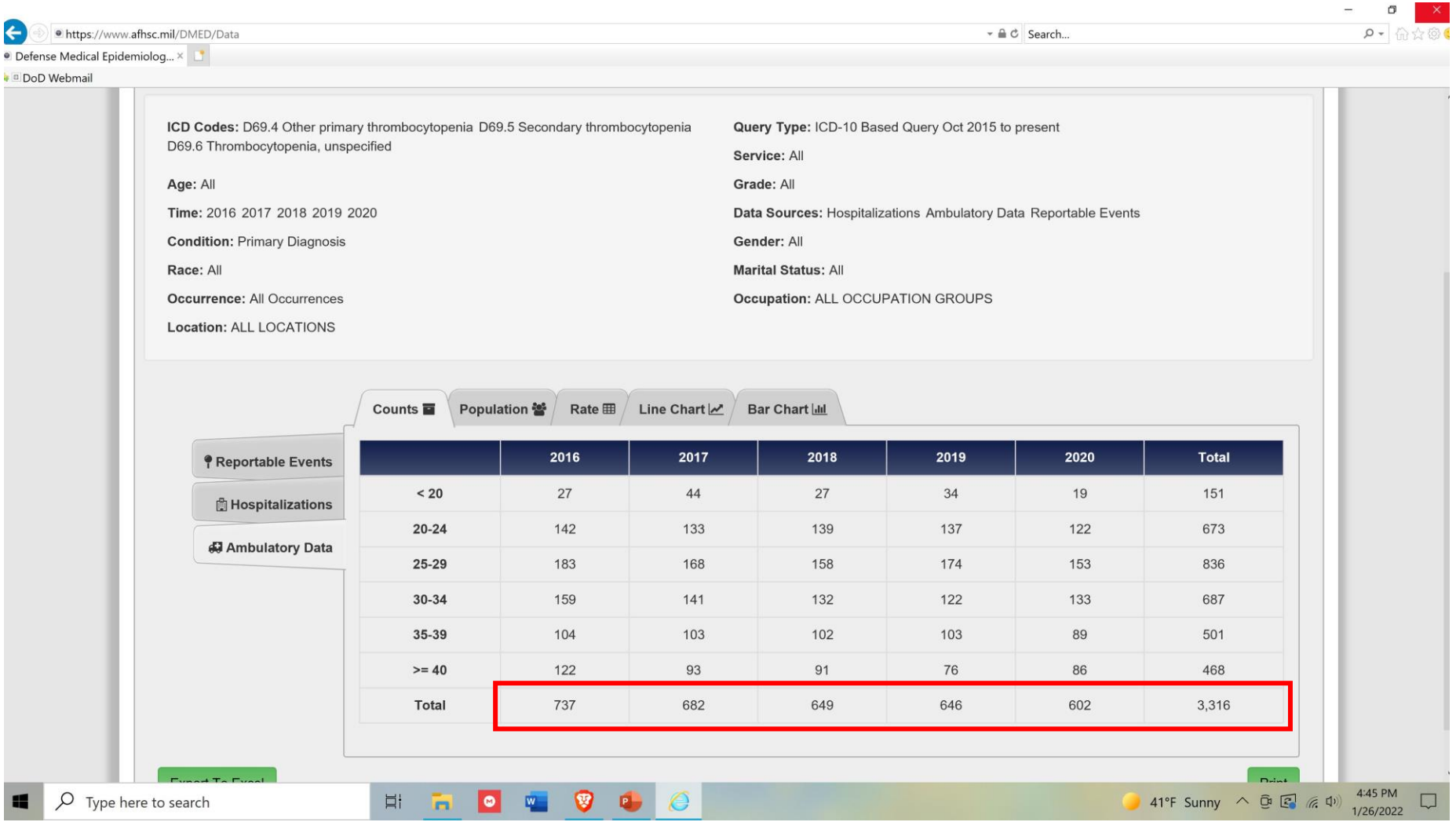
306% Increase (3.06x)
from 2020 -> 2021



	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	14	27	8	14	23	14	18	21	16	20	14	0	189
20-24	162	181	190	142	118	157	155	168	152	152	102	0	1,679
25-29	116	112	119	123	102	155	106	136	126	110	107	0	1,312
30-34	78	64	79	98	51	79	72	85	72	67	51	0	796
35-39	49	40	64	29	23	43	36	43	51	40	40	0	458
>= 40	8	13	10	27	18	10	16	19	20	18	9	0	168
Total	427	437	470	433	335	458	403	472	437	407	323	0	4,602

Thrombocytopenia; 2016-2020

Annual average (2016-2020) – **663**



https://www.afhsc.mil/DMED/Data

Search...

Defense Medical Epidemiolog...

DoD Webmail

ICD Codes: D69.4 Other primary thrombocytopenia D69.5 Secondary thrombocytopenia D69.6 Thrombocytopenia, unspecified

Age: All

Time: 2016 2017 2018 2019 2020

Condition: Primary Diagnosis

Race: All

Occurrence: All Occurrences

Location: ALL LOCATIONS

Query Type: ICD-10 Based Query Oct 2015 to present

Service: All

Grade: All

Data Sources: Hospitalizations Ambulatory Data Reportable Events

Gender: All

Marital Status: All

Occupation: ALL OCCUPATION GROUPS

Counts | Population | Rate | Line Chart | Bar Chart

Reportable Events

Hospitalizations

Ambulatory Data

	2016	2017	2018	2019	2020	Total
< 20	27	44	27	34	19	151
20-24	142	133	139	137	122	673
25-29	183	168	158	174	153	836
30-34	159	141	132	122	133	687
35-39	104	103	102	103	89	501
>= 40	122	93	91	76	86	468
Total	737	682	649	646	602	3,316

Export To Excel

Print

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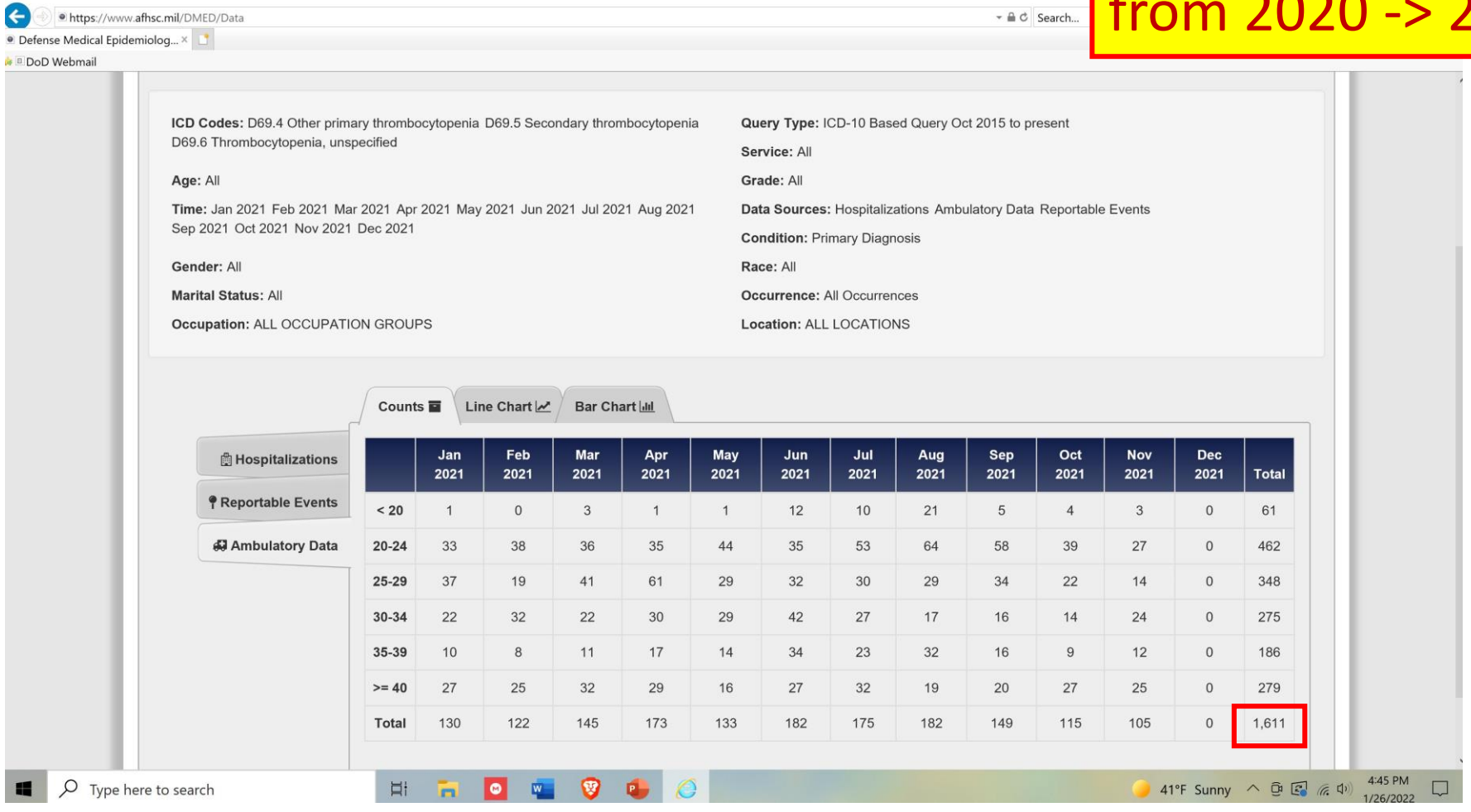
1/26/2022

Thrombocytopenia; Jan-Nov 2021

MONTHLY average (Jan-Nov 2021) – **146**

YTD total (Jan-Nov 2021) – **1,611**

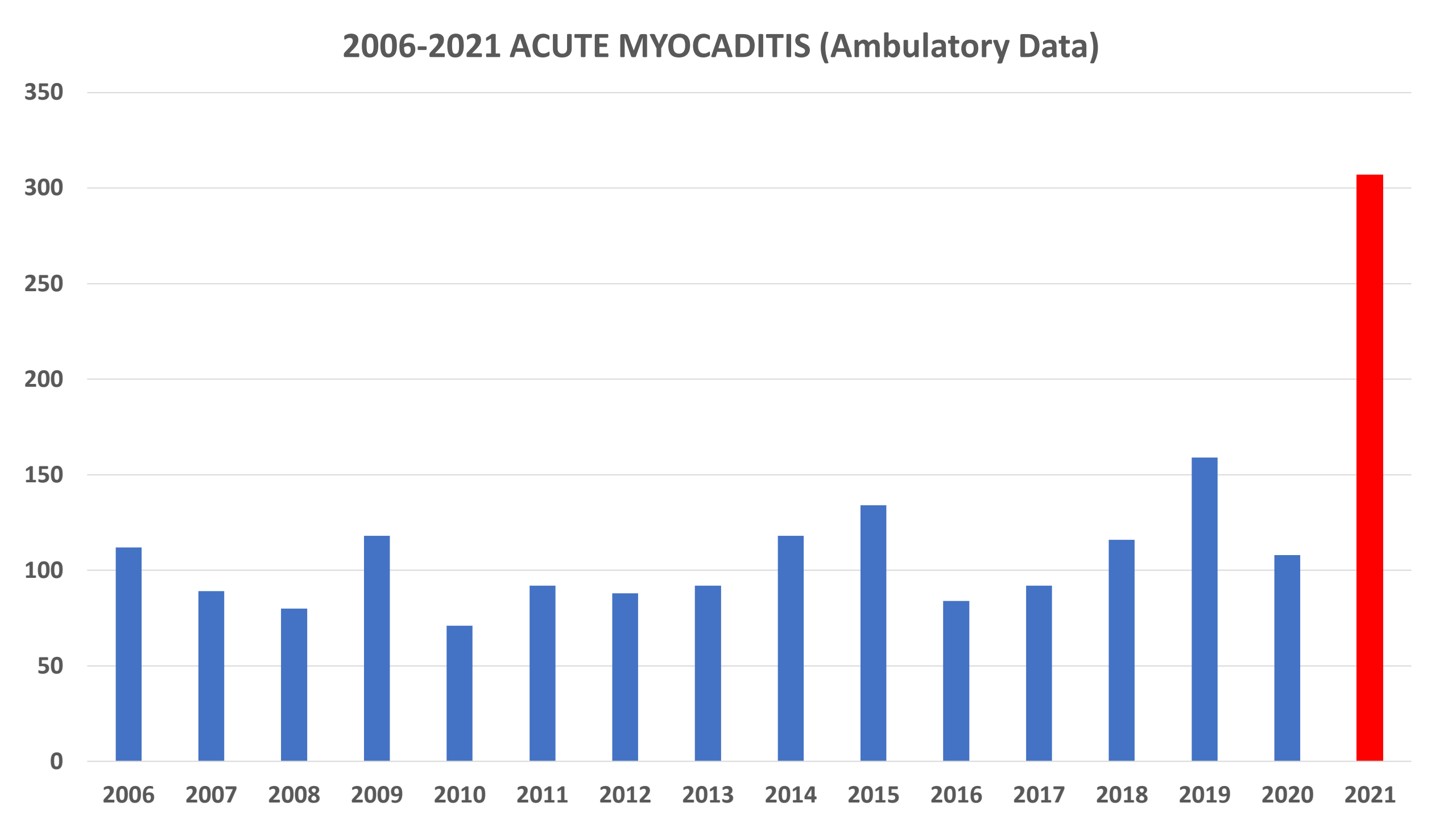
242% Increase (2.42x)
from 2020 -> 2021

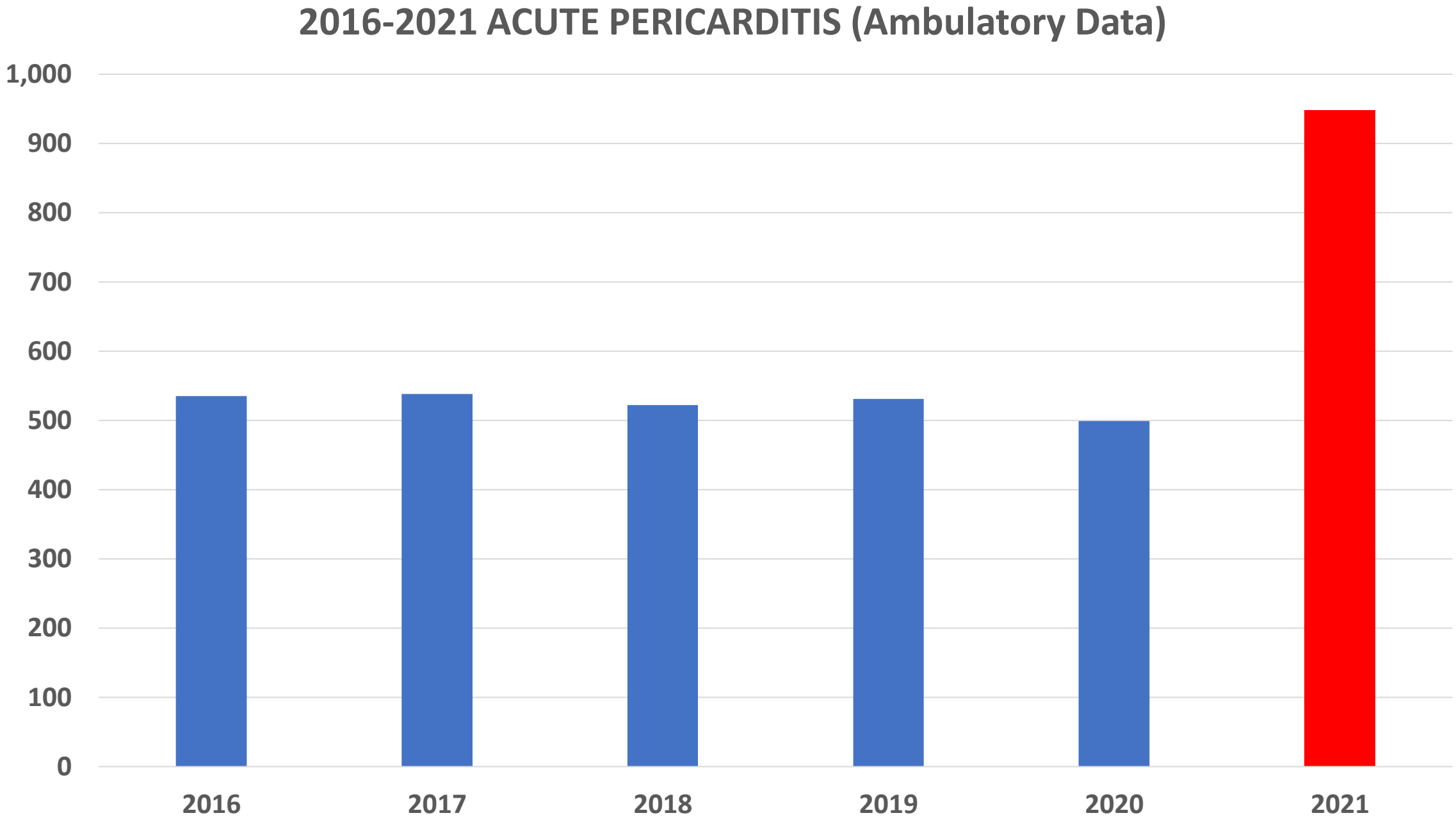


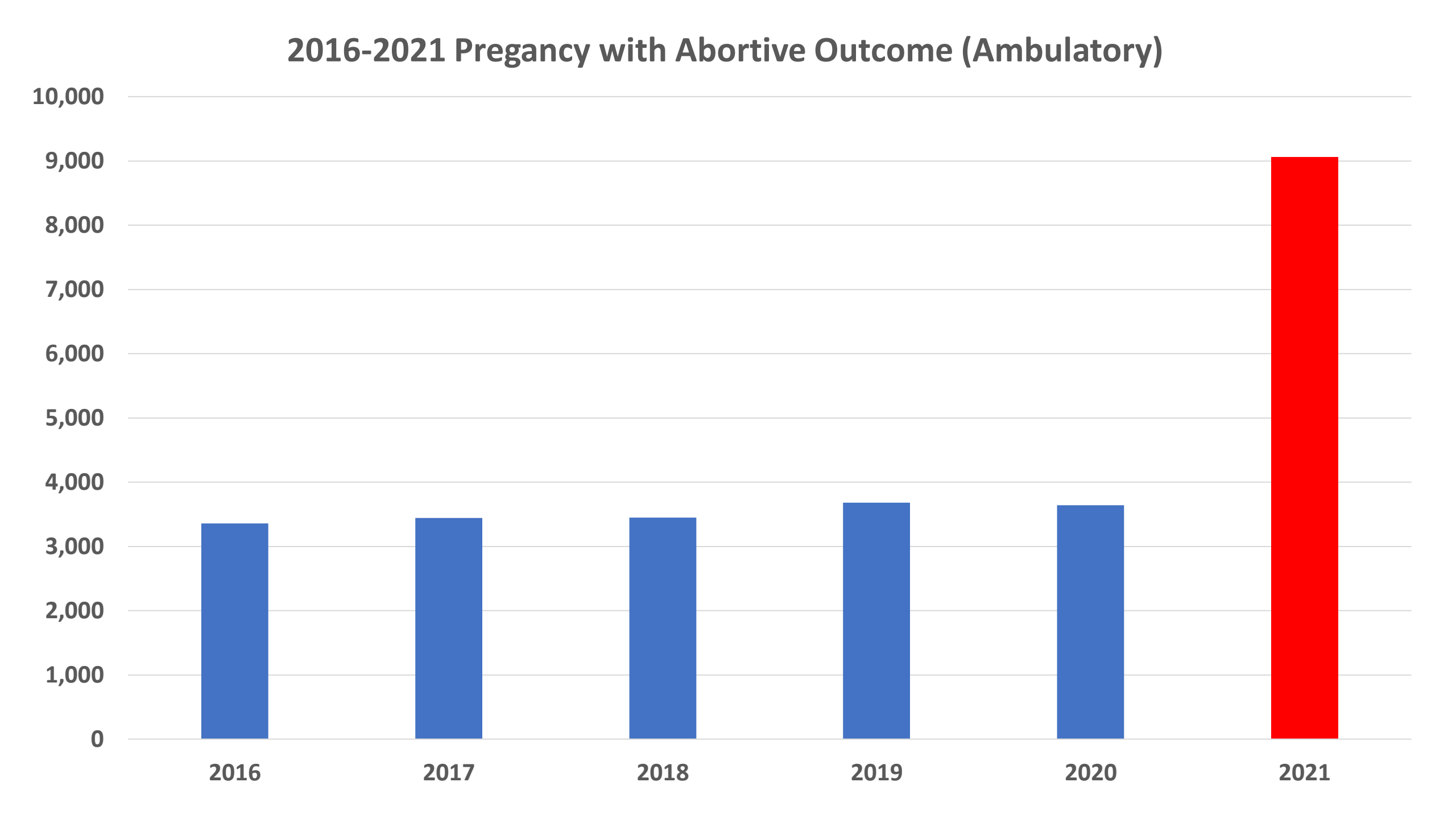
	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Total
< 20	1	0	3	1	1	12	10	21	5	4	3	0	61
20-24	33	38	36	35	44	35	53	64	58	39	27	0	462
25-29	37	19	41	61	29	32	30	29	34	22	14	0	348
30-34	22	32	22	30	29	42	27	17	16	14	24	0	275
35-39	10	8	11	17	14	34	23	32	16	9	12	0	186
>= 40	27	25	32	29	16	27	32	19	20	27	25	0	279
Total	130	122	145	173	133	182	175	182	149	115	105	0	1,611

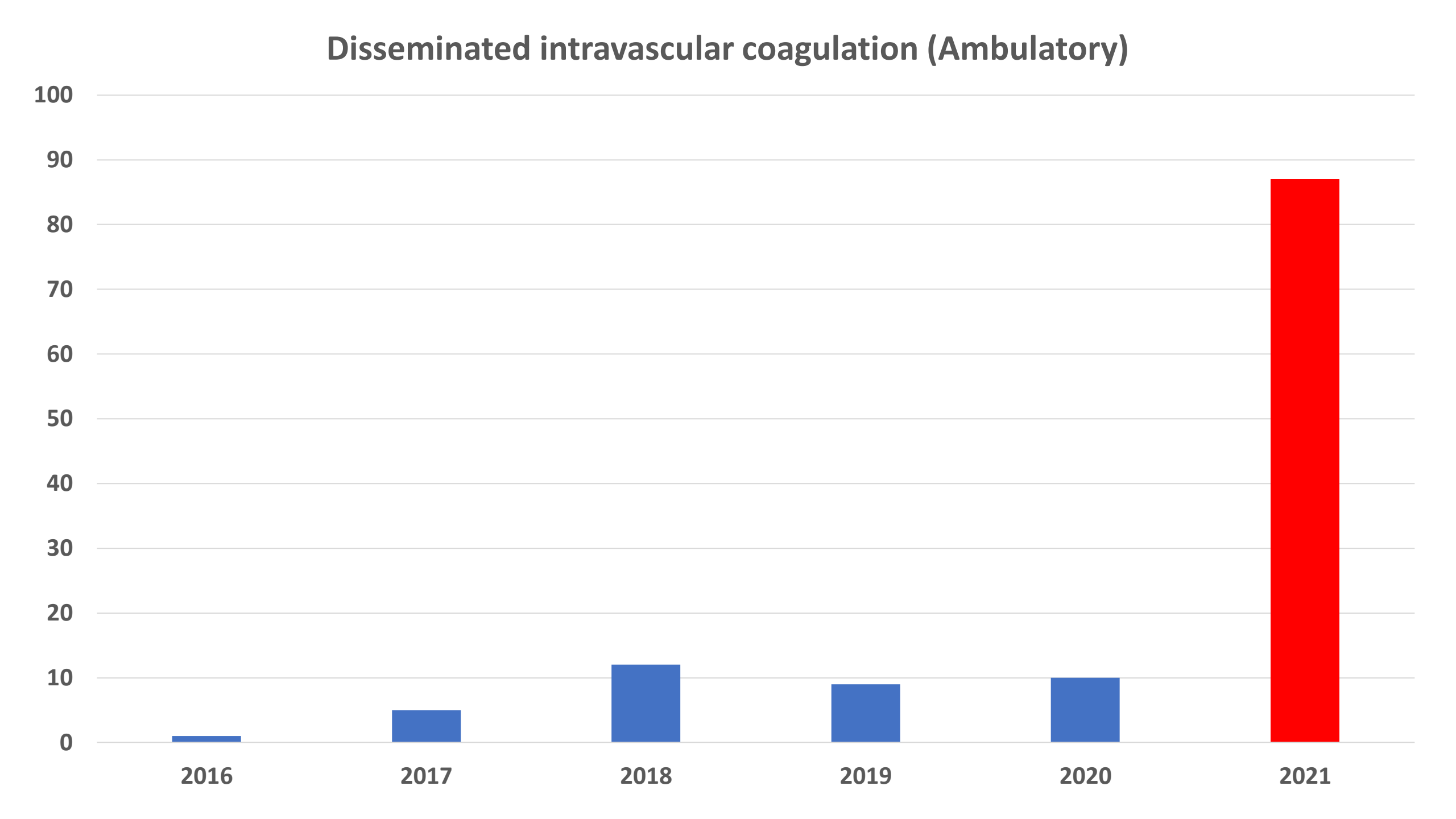
DHA's Defense Medical Epidimiology Database (DMED)

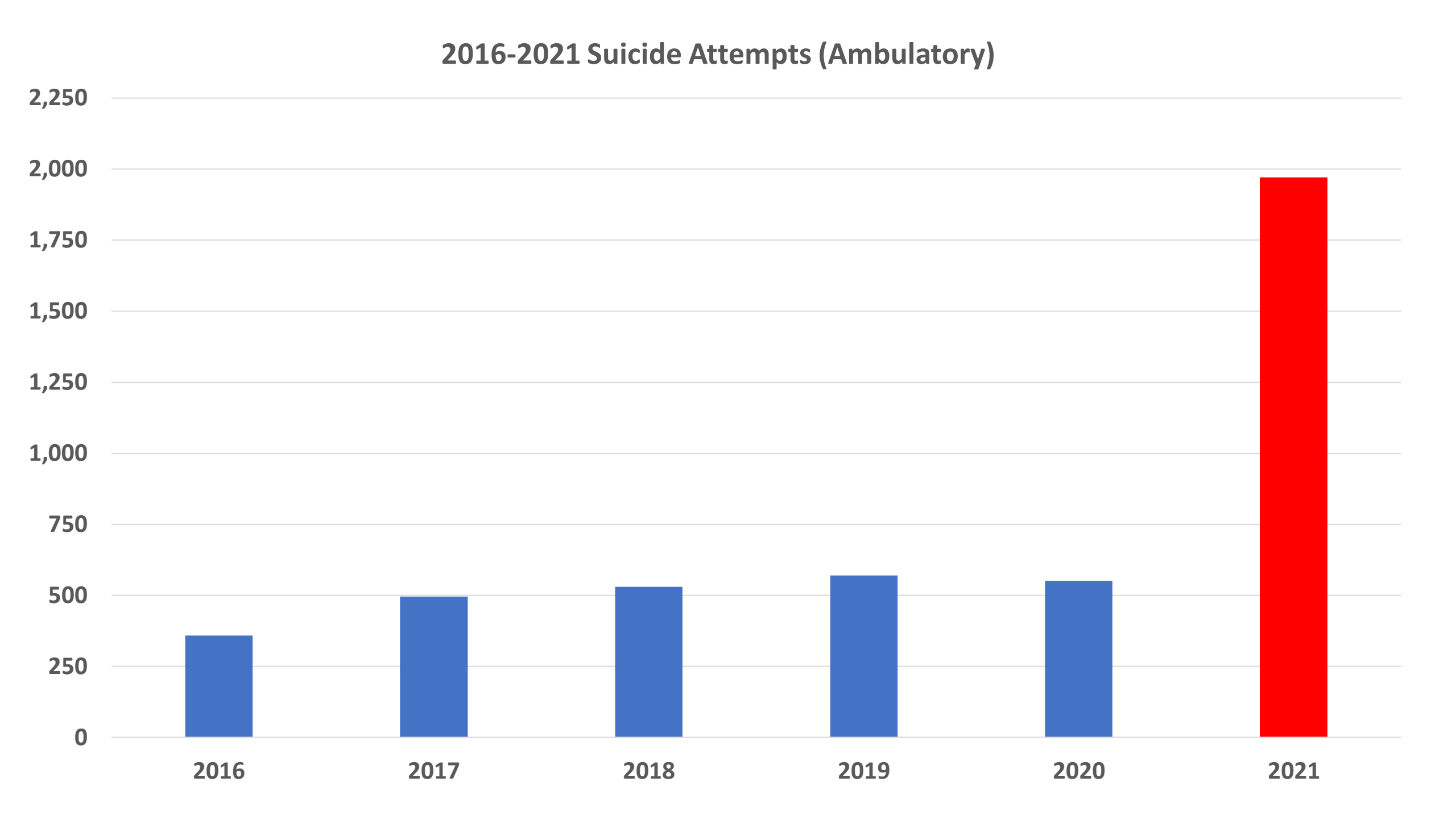
Alarming Increases 2021

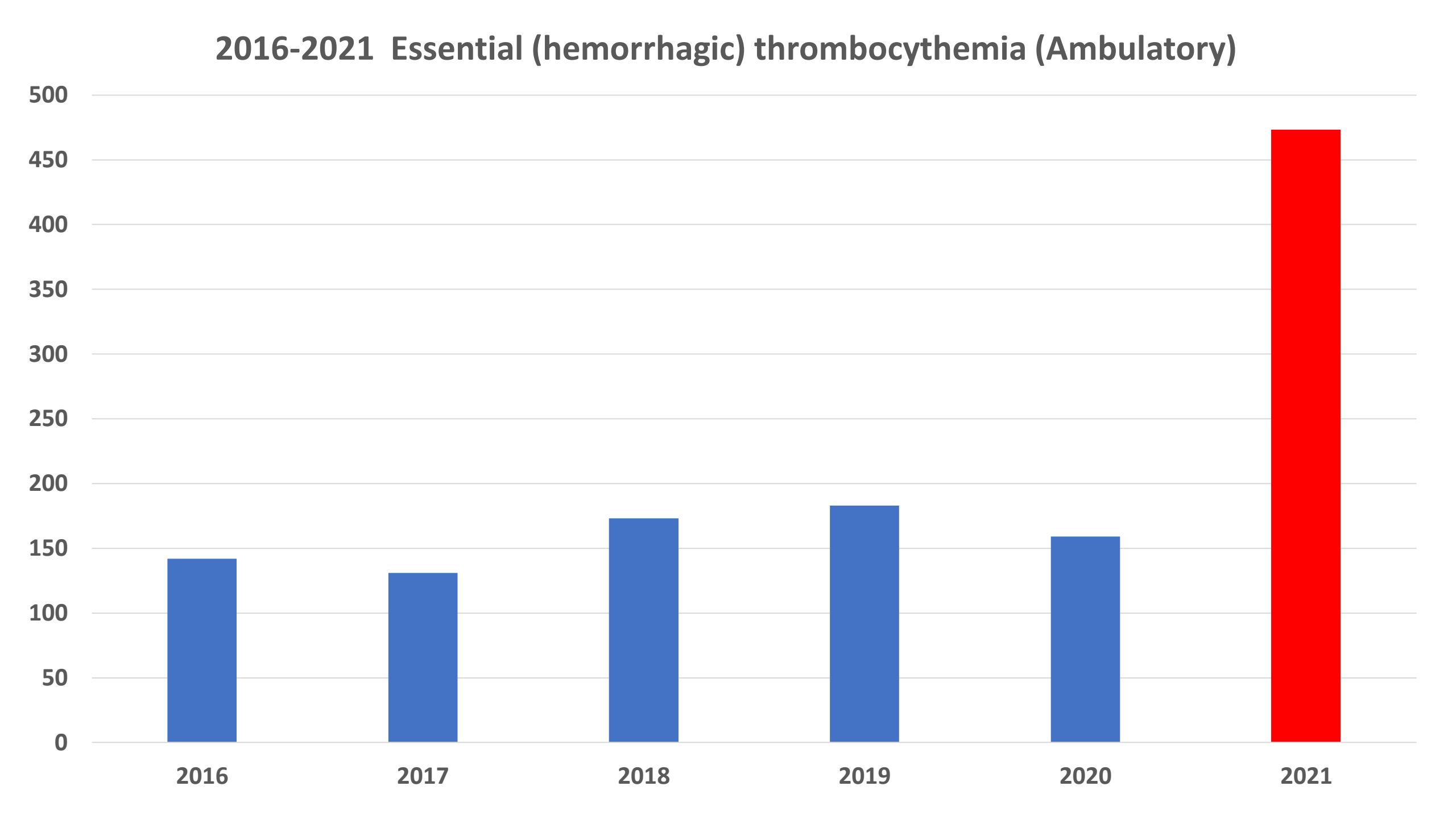

2006-2021 ACUTE MYOCADITIS (Ambulatory Data)
350
300
250
200
150
100
50
0
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021

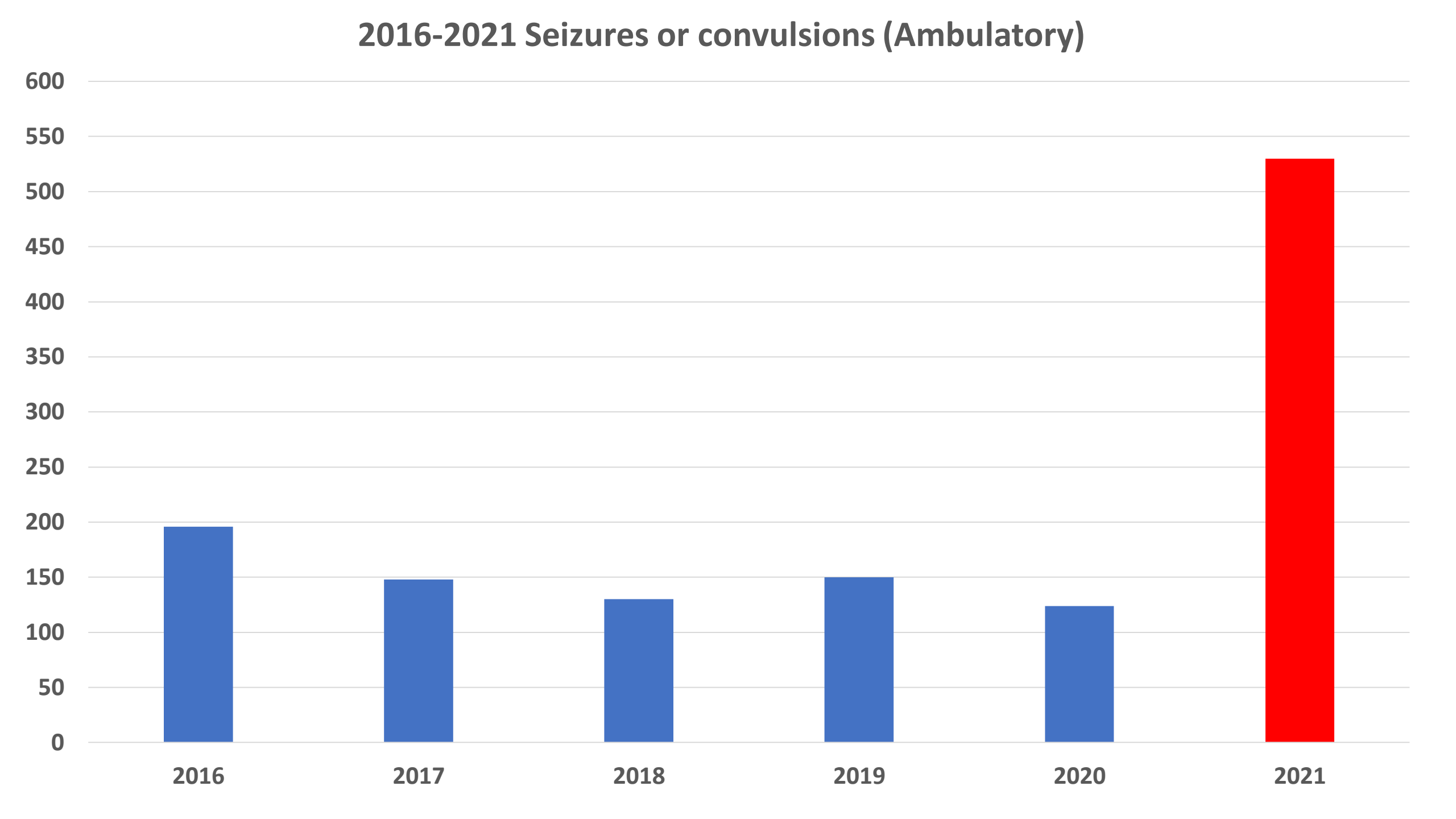

2016-2021 ACUTE PERICARDITIS (Ambulatory Data)
1,000
900
800
700
600
500
400
300
200
100
0
2016
2017
2018
2019
2020
2021

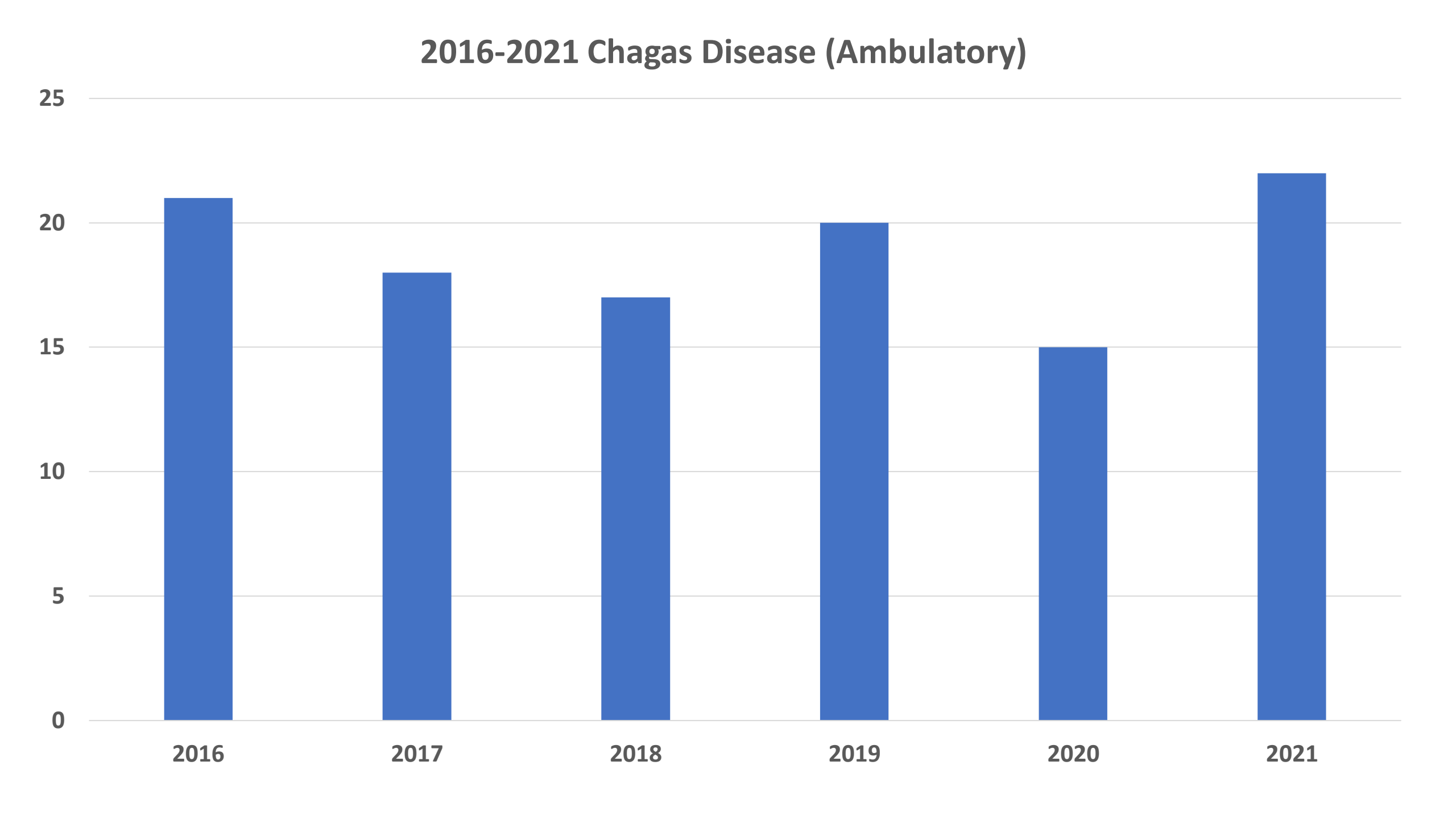

2016-2021 Pregancy with Abortive Outcome (Ambulatory)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
2016
2017
2018
2019
2020
2021

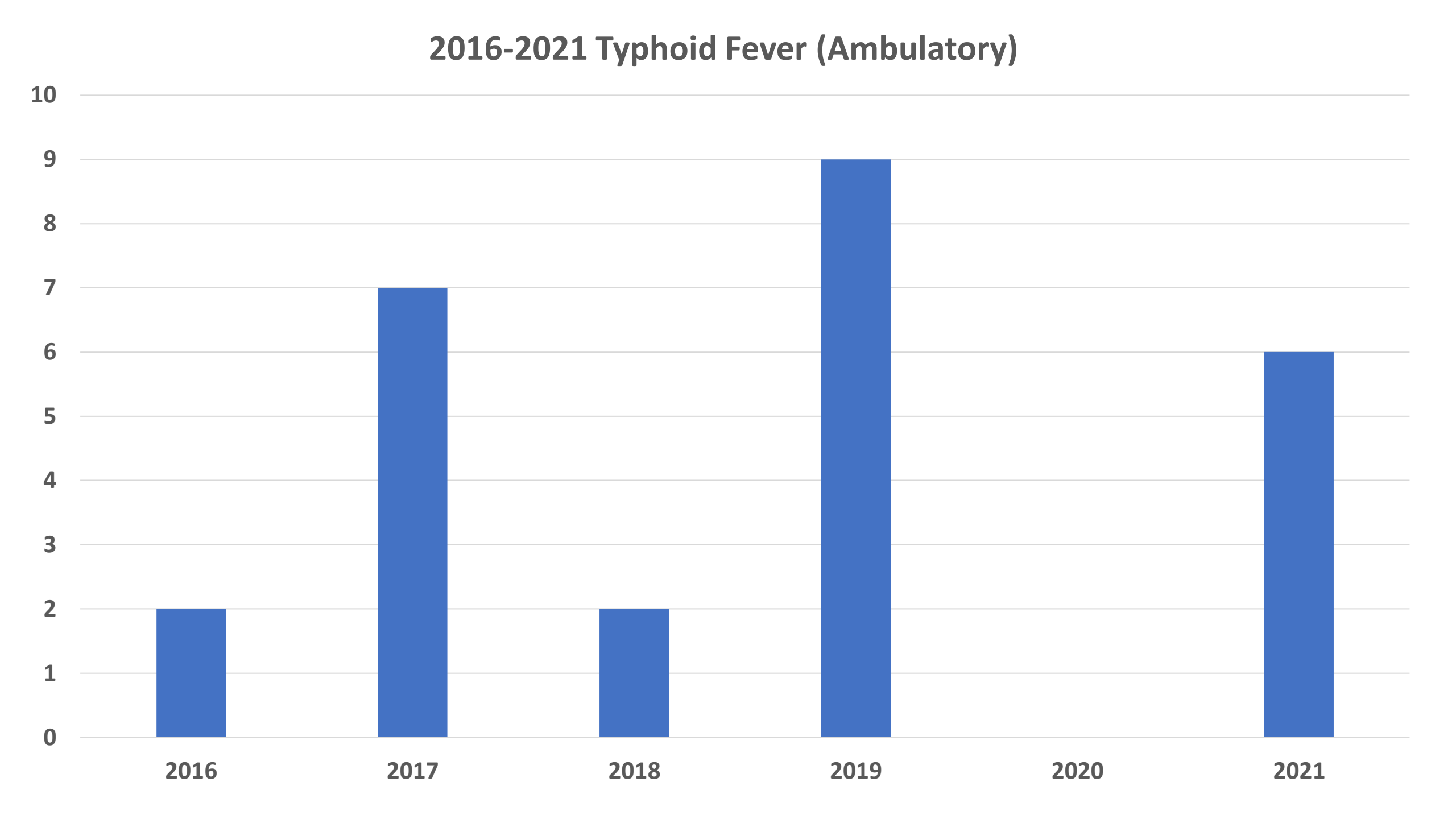

Disseminated intravascular coagulation (Ambulatory)
100
90
80
70
60
50
40
30
20
10
0
2016
2017
2018
2019
2020
2021

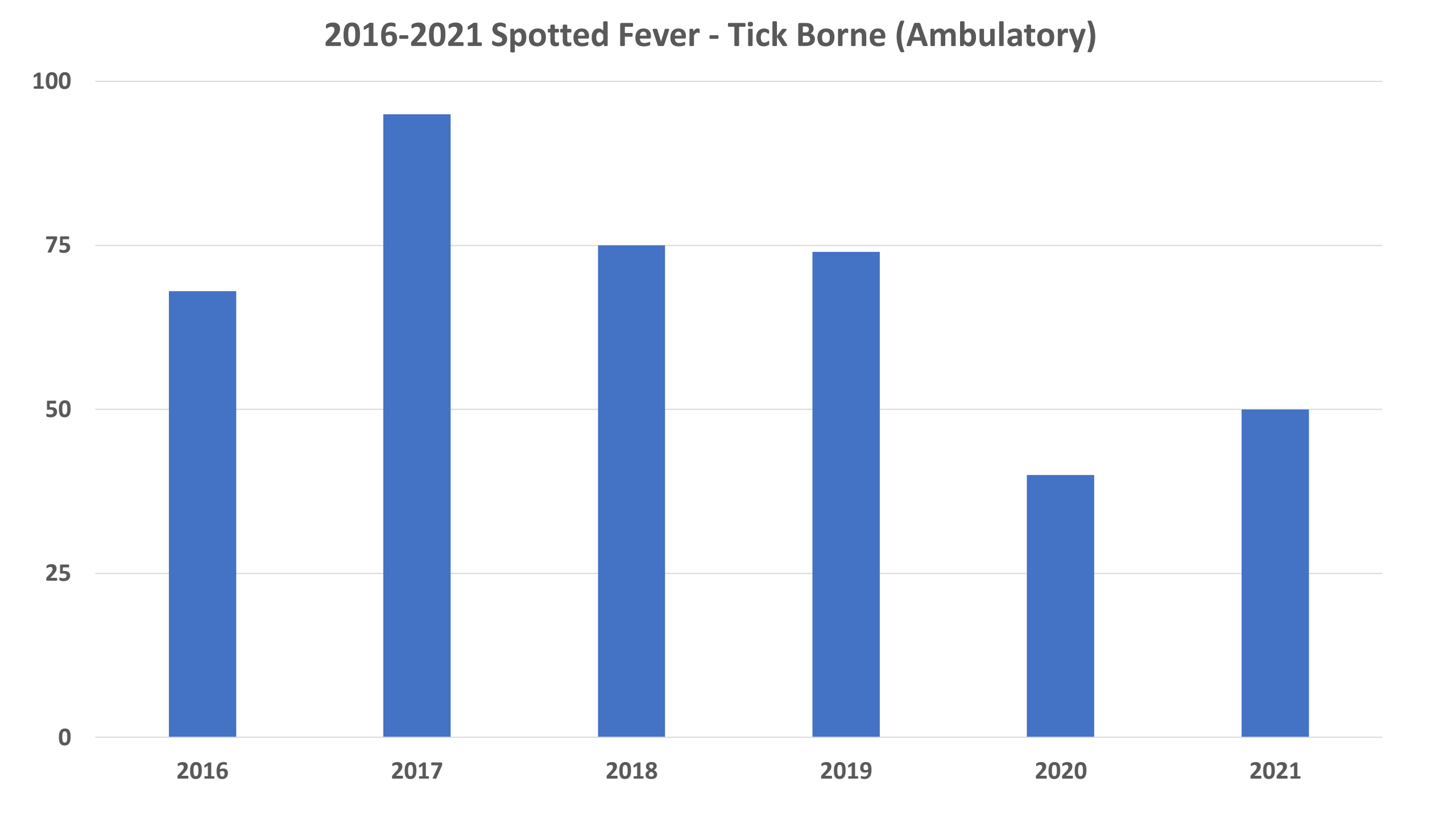

2016-2021 Suicide Attempts (Ambulatory)
2,250
2,000
1,750
1,500
1,250
1,000
750
500
250
0
2016
2017
2018
2019
2020
2021

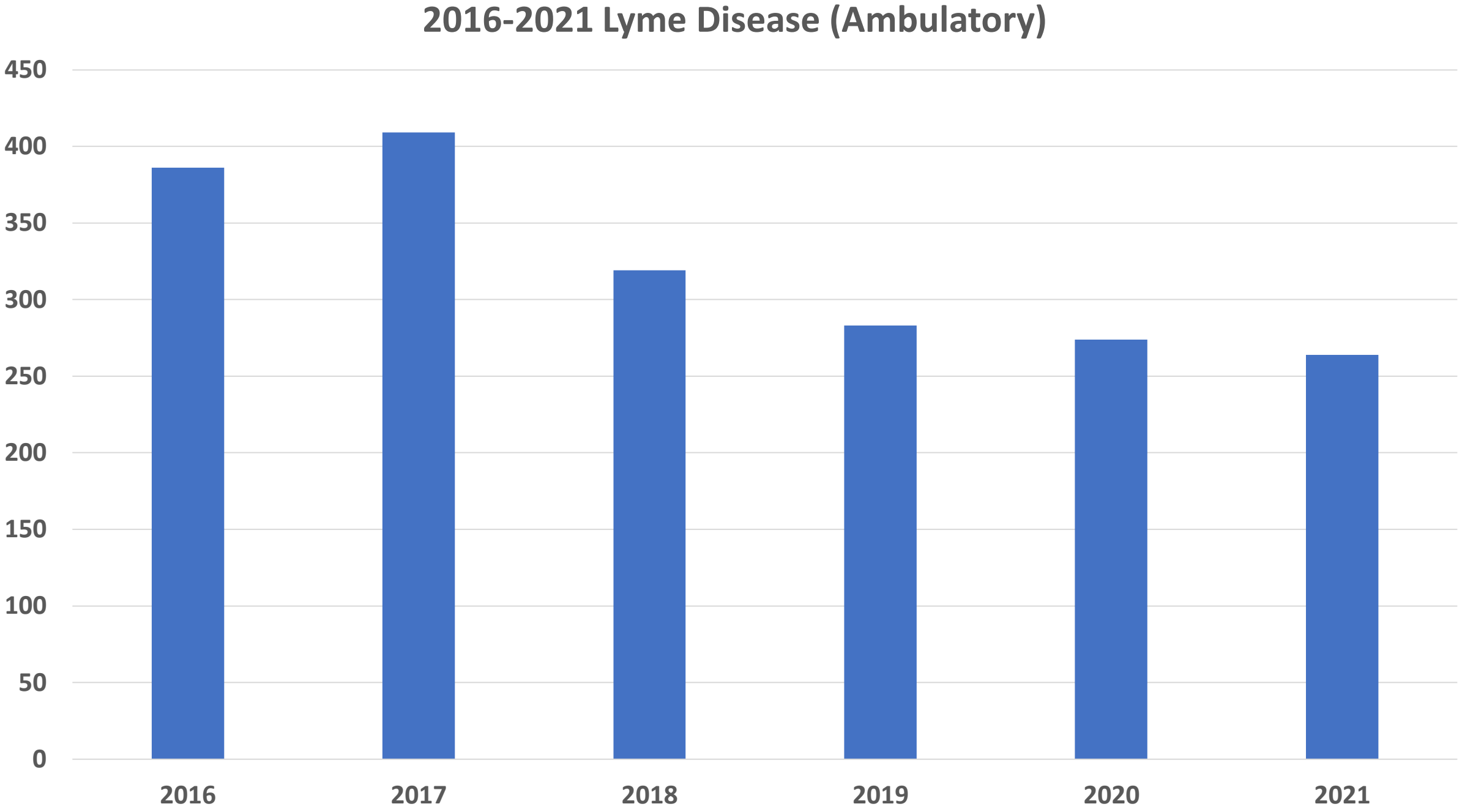

2016-2021 Essential (hemorrhagic) thrombocythemia (Ambulatory)
500
450
400
350
300
250
200
150
100
50
0
2016
2017
2018
2019
2020
2021


2016-2021 Seizures or convulsions (Ambulatory)
600
550
500
450
400
350
300
250
200
150
100
50
0
2016
2017
2018
2019
2020
2021


2016-2021 Chagas Disease (Ambulatory)
25
20
15
10
5
0
2016
2017
2018
2019
2020
2021


2016-2021 Typhoid Fever (Ambulatory)
10
9
8
7
6
5
4
3
2
1
0
2016
2017
2018
2019
2020
2021


2016-2021 Spotted Fever - Tick Borne (Ambulatory)
100
75
50
25
0
2016
2017
2018
2019
2020
2021


2016-2021 Lyme Disease (Ambulatory)
450
400
350
300
250
200
150
100
50
0
2016
2017
2018
2019
2020
2021