

Timestamp 21/02/2024 09:48:17 AM
Step Count 110 Switch Count 0
Page Faults 0
Page Reclaims 27
Page Swaps 0
Voluntary Context Switches 0
Involuntary Context Switches 0
Block Input Operations 0
Block Output Operations 0

706 OPTIONS NOTES STIMER SOURCE SYNTAXCHECK;
707

Results: code.sas

The CONTENTS Procedure

Data Set Name	WORK.GP	Observations	5300
Member Type	DATA	Variables	18
Engine	V9	Indexes	0
Created	21/02/2024 20:48:10	Observation Length	152
Last Modified	21/02/2024 20:48:10	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information

Data Set Page Size	131072
Number of Data Set Pages	7
First Data Page	1
Max Obs per Page	861
Obs in First Data Page	831
Number of Data Set Repairs	0
Filename	/saswork/SAS_work5A680001DAF4_odaws02-apse1-2.oda.sas.com/SAS_workC01E0001DAF4_odaws02-apse1-2.oda.sas.com/gp.sas7bdat
Release Created	9,0401M7
Host Created	Linux
Node Number	525832
Access Permission	rw-r--r--
Owner Name	u62298616
File Size	1MB
File Size (bytes)	1048576

Variables in Creation Order

#	Variable	Type	Len	Format	Label
1	ID	Num	8		Unique patientID
2	GP_last	Num	8	DDMMYY10.	Date of most recent GP visit
3	age	Num	8		Age at the most recent GP visit
4	sex	Num	8	SEXF.	Sex of patient
5	cob	Num	8	COBF.	Country of birth
6	healthcare_card	Num	8	YNF.	Have a health care card
7	drinks_day	Num	8		Number of alcohol drinks per day
8	height	Num	8		Body height (m)
9	weight	Num	8		Body weight (kg)
10	adverse_reaction	Num	8	YNF.	Had any reaction to aby medication
11	syst_bp	Num	8		Systolic blood pressure (mmHg)
12	diast_bp	Num	8		Diastolic blood pressure (mmHg)
13	reason	Char	16		Reason for the most recent GP visit
14	Smoke_current_GP	Num	8	YNF.	Being a current smoker
15	Risky_alcohol_GP	Num	8	YNF.	Have two or more alcohol drinks per day
16	BMI_GP	Num	8	YNF.	BMI score
17	Obese_GP	Num	8	YNF.	Being obese (BMI>=30)
18	HighBP_GP	Num	8	YNF.	Have high blood pressure (>=135/85mmHg)

Obs	ID	GP_last	age	sex	cob	healthcare_card	drinks_day	height	weight	adverse_reaction	syst_bp	diast_bp	reason	Smoke_current_GP	Risky_alcohol_GP	BMI_GP	Obese_GP	f
1	1	27/02/2014	59	Female	Overseas	Yes	2	1.73	61.8	No	131	89	HEADACHE	No	No	21	No	
2	2	24/07/2014	20	Male	Overseas	No	1	1.83	100.2	No	122	75	HEADACHE	No	No	30	No	
3	3	11/04/2014	65	Male	Australia	No	0	1.86	65.0	No	132	88	ITCHING	No	No	19	No	
4	4	09/04/2014	33	Male	Overseas	Yes	1	1.75	74.9	No	121	77	HEADACHE	No	No	24	No	
5	5	27/02/2014	57	Female	Australia	No	0	1.69	71.8	No	116	74	HEADACHE	No	No	25	No	
6	7	01/09/2014	52	Male	Australia	No	0	1.51	107.5	No	115	66	VOMITING	No	No	47	Yes	
7	8	26/07/2014	55	Female	Overseas	No	0	1.72	53.1	No	115	68	HEADACHE	No	No	18	No	
8	9	23/10/2014	68	Female	Australia	No	0	1.71	84.8	No	126	76	SKIN RASH	No	No	29	No	
9	10	29/07/2014	41	Male	Australia	No	0	1.88	94.1	No	129	82	HEADACHE	No	No	27	No	

Obs	ID	GP_last	age	sex	cob	healthcare_card	drinks_day	height	weight	adverse_reaction	syst_bp	diast_bp	reason	Smoke_current_GP	Risky_alcohol_GP	BMI_GP	Obese_GP	f
10	11	19/06/2014	32	Female	Overseas	No	1	1.74	66.8	No	102	56	HEADACHE	No	No	22	No	f

The MEANS Procedure

Variable	Label	Mean	Median	Mode	Std Dev	Variance	Minimum	Maximum	N Miss
ID	Unique patientID	2901.06	2902.50	.	1671.62	2794318.84	1.00	5794.00	0
GP_last	Date of most recent GP visit	19872.20	19870.50	19780.00	85.55	7318.27	19724.00	20023.00	0
age	Age at the most recent GP visit	46.96	46.00	46.00	14.14	199.98	18.00	98.00	0
drinks_day	Number of alcohol drinks per day	1.17	1.00	0.00	1.55	2.39	0.00	18.00	294
height	Body height (m)	1.72	1.73	1.73	0.08	0.01	1.45	1.89	60
weight	Body weight (kg)	78.84	75.20	104.10	20.26	410.87	44.60	140.50	44
syst_bp	Systolic blood pressure (mmHg)	120.89	120.00	140.00	15.21	231.46	88.00	181.00	0
diast_bp	Diastolic blood pressure (mmHg)	77.63	78.00	92.00	13.30	177.00	51.00	132.00	0
BMI_GP	BMI score	26.90	25.21	33.00	7.52	56.61	14.27	66.25	91

The FREQ Procedure

Sex of patient		
sex	Frequency	Percent
Male	2364	44.69
Female	2926	55.31
Frequency Missing = 10		

Country of birth		
cob	Frequency	Percent
Australia	2233	42.64
Overseas	3004	57.36
Frequency Missing = 63		

Have a health care card		
healthcare_card	Frequency	Percent
No	3604	68.10
Yes	1688	31.90
Frequency Missing = 8		

Had any reaction to aby medication		
adverse_reaction	Frequency	Percent
No	5097	96.17
Yes	203	3.83

Being a current smoker		
Smoke_current_GP	Frequency	Percent
No	4495	85.59
Yes	757	14.41
Frequency Missing = 48		

Have two or more alcohol drinks per day		
Risky_alcohol_GP	Frequency	Percent
No	4083	81.56
Yes	923	18.44
Frequency Missing = 294		

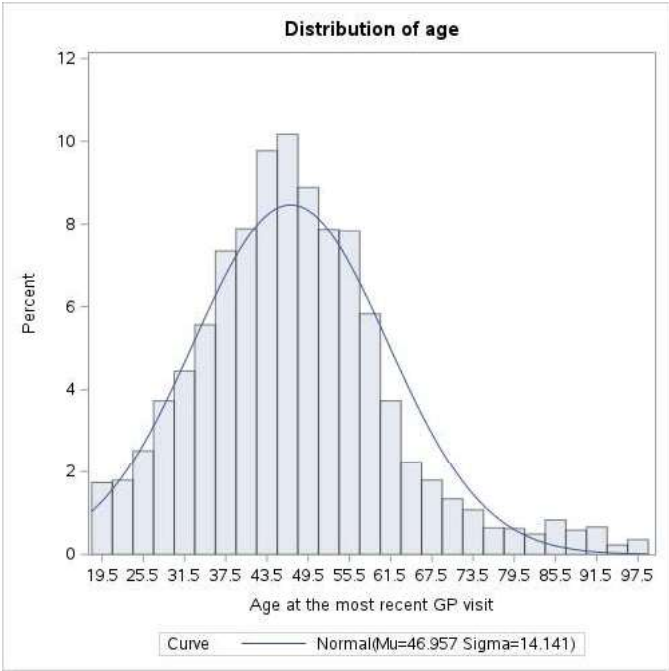
Being obese (BMI>=30)		
Obese_GP	Frequency	Percent
No	3607	69.25
Yes	1602	30.75
Frequency Missing = 91		

Have high blood pressure (>=135/85mmHg)		
HighBP_GP	Frequency	Percent
No	3650	68.87
Yes	1650	31.13

Reason for the most recent GP visit		
reason	Frequency	Percent
ABDOMINAL PAIN	241	4.55
DIZZINESS	275	5.19
HALLUCINATIONS	245	4.62
HEADACHE	2637	49.75
ITCHING	273	5.15
NAUSEA	594	11.21
PALPITATIONS	243	4.58
SKIN RASH	270	5.09

Reason for the most recent GP visit		
reason	Frequency	Percent
TINNITUS	275	5,19
VOMITING	247	4,66

The UNIVARIATE Procedure



The UNIVARIATE Procedure

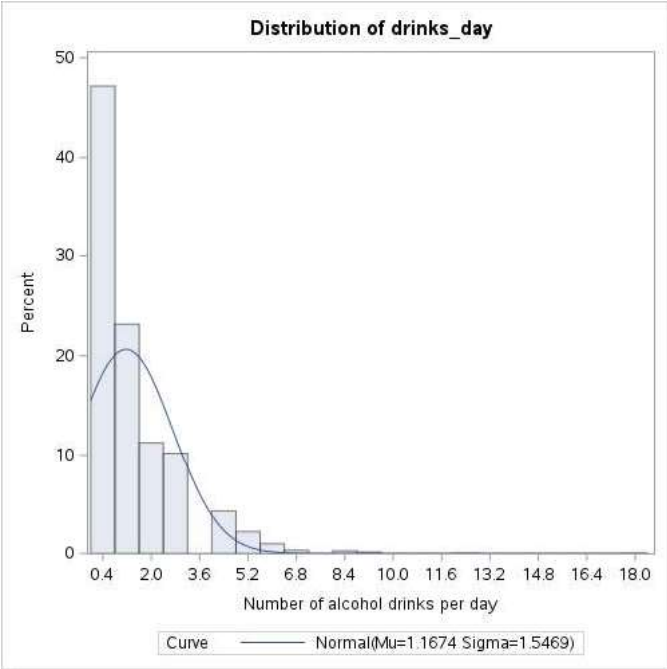
Fitted Normal Distribution for age (Age at the most recent GP visit)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	46.95717
Std Dev	Sigma	14.14148

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0569240	Pr > D	<0.010
Cramer-von Mises	W-Sq	3.9389774	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	29.4844122	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1,0	19,0000	14,0592
5,0	25,0000	23,6965
10,0	30,0000	28,8341
25,0	38,0000	37,4189
50,0	46,0000	46,9572
75,0	55,0000	56,4955
90,0	64,0000	65,0802
95,0	73,0000	70,2178
99,0	90,5000	79,8552

The UNIVARIATE Procedure

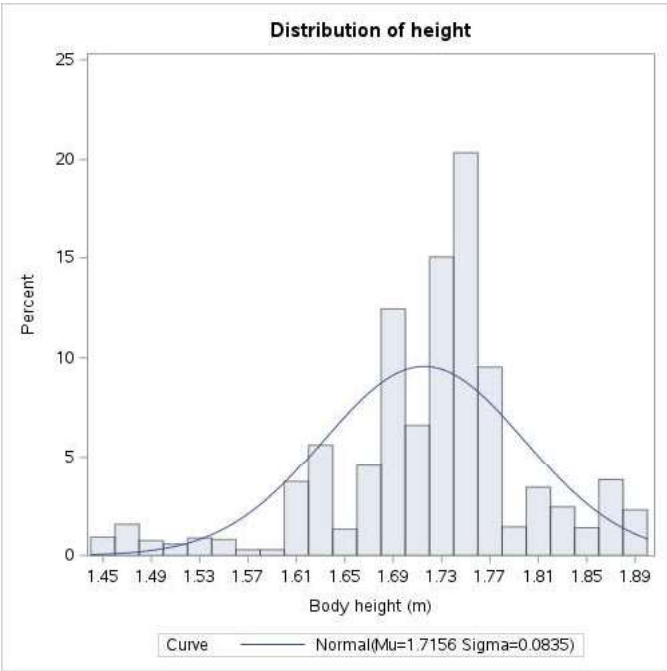


The UNIVARIATE Procedure
Fitted Normal Distribution for drinks_day (Number of alcohol drinks per day)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.167399
Std Dev	Sigma	1.546852

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.246418	Pr > D <0.010
Cramer-von Mises	W-Sq	72.035569	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	404.704217	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-2.43112
5.0	0.00000	-1.37695
10.0	0.00000	-0.81497
25.0	0.00000	0.12406
50.0	1.00000	1.16740
75.0	2.00000	2.21073
90.0	3.00000	3.14977
95.0	4.00000	3.71174
99.0	6.00000	4.76592

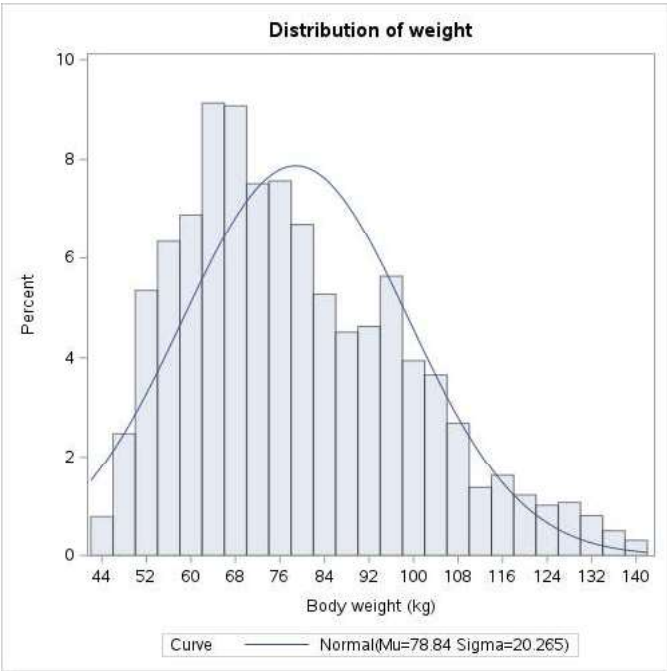


The UNIVARIATE Procedure
Fitted Normal Distribution for height (Body height (m))

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.715552
Std Dev	Sigma	0.083477

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.124895	Pr > D <0.010
Cramer-von Mises	W-Sq	21.123556	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	115.435519	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.46000	1.52136
5.0	1.54000	1.57824
10.0	1.62000	1.60857
25.0	1.68000	1.65925
50.0	1.73000	1.71555
75.0	1.75000	1.77186
90.0	1.81000	1.82253
95.0	1.86000	1.85286
99.0	1.88000	1.90975

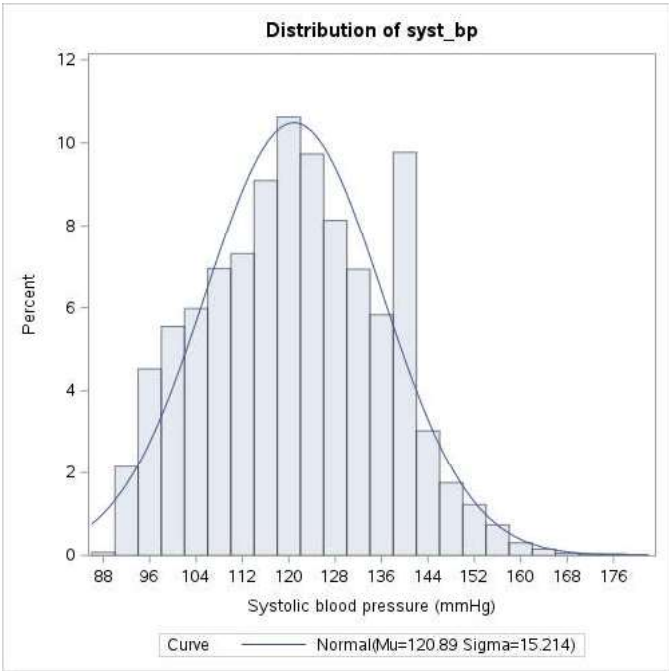


The UNIVARIATE Procedure
Fitted Normal Distribution for weight (Body weight (kg))

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	78.8399
Std Dev	Sigma	20.26496

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0736349	Pr > D	<0.010
Cramer-von Mises	W-Sq	9.2512600	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	56.6893041	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	46.4000	31.6966
5.0	51.8000	45.5070
10.0	54.8000	52.8693
25.0	63.3000	65.1714
50.0	75.2000	78.8399
75.0	92.9000	92.5084
90.0	106.5000	104.8105
95.0	117.6000	112.1728
99.0	133.0000	125.9832

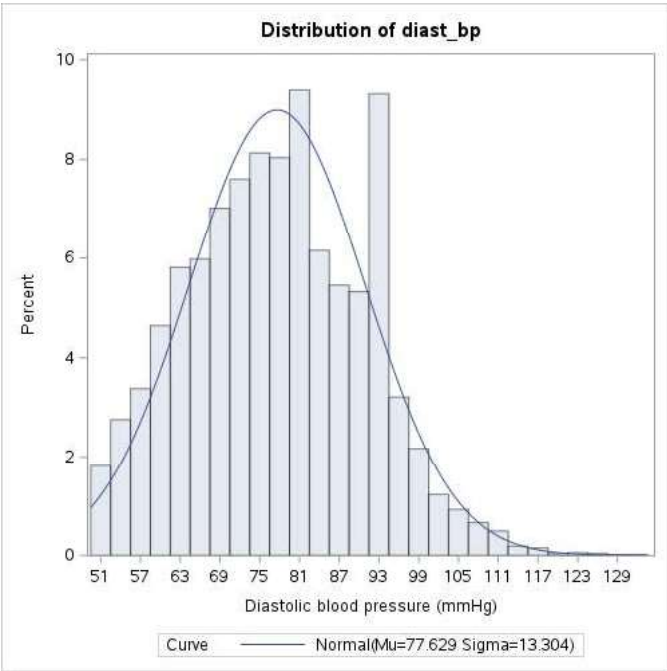


The UNIVARIATE Procedure
Fitted Normal Distribution for syst_bp (Systolic blood pressure (mmHg))

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	120.8864
Std Dev	Sigma	15.21383

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0438037	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.7870507	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	15.0513570	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	92.0000	85.4938
5.0	96.0000	95.8619
10.0	100.0000	101.3891
25.0	109.0000	110.6248
50.0	120.0000	120.8864
75.0	132.0000	131.1480
90.0	140.0000	140.3837
95.0	144.5000	145.9109
99.0	155.0000	156.2791

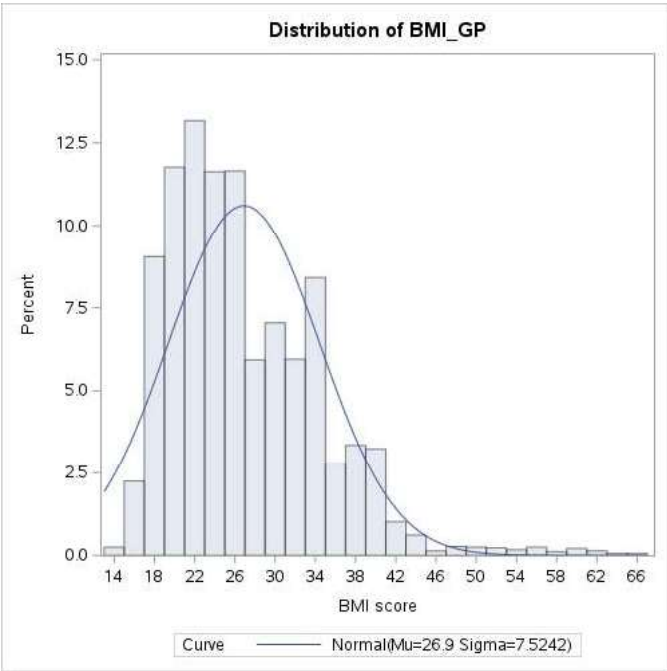


The UNIVARIATE Procedure
Fitted Normal Distribution for diast_bp (Diastolic blood pressure (mmHg))

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	77.62887
Std Dev	Sigma	13.30412

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0450681	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.5854582	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	11.6936332	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	51.0000	46.6789
5.0	56.0000	55.7455
10.0	60.0000	60.5790
25.0	68.0000	68.6554
50.0	78.0000	77.6289
75.0	88.0000	86.6024
90.0	94.0000	94.6788
95.0	99.0000	99.5122
99.0	109.5000	108.5789

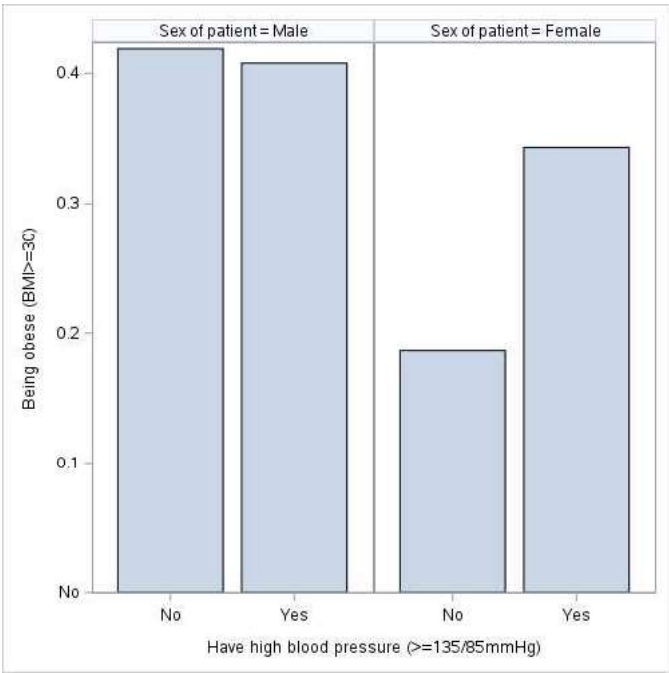


The UNIVARIATE Procedure
Fitted Normal Distribution for BMI_GP (BMI score)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	26.90041
Std Dev	Sigma	7.52424

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0936832	Pr > D	<0.010
Cramer-von Mises	W-Sq	13.8085810	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	84.2381722	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	15.6504	9.39641
5.0	17.9151	14.52414
10.0	18.7444	17.25771
25.0	21.2585	21.82539
50.0	25.2092	26.90041
75.0	31.8754	31.97543
90.0	37.1173	36.54311
95.0	39.9660	39.27668
99.0	52.3400	44.40441



The CONTENTS Procedure

Data Set Name	WORK.ED	Observations	30466
Member Type	DATA	Variables	15
Engine	V9	Indexes	0
Created	21/02/2024 20:48:10	Observation Length	96
Last Modified	21/02/2024 20:48:10	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	23
First Data Page	1
Max Obs per Page	1363
Obs in First Data Page	1319
Number of Data Set Repairs	0
Filename	/saswork/SAS_work5A680001DAF4_odaws02-apse1-2.oda.sas.com/SAS_workC01E0001DAF4_odaws02-apse1-2.oda.sas.com/ed.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	525845
Access Permission	rw-r--r--
Owner Name	u62298616
File Size	3MB
File Size (bytes)	3145728

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
1	ID	Num	8			Unique person ID
2	ed_admission	Num	8	DDMMYY10.		Date of ED attendance
3	ed_separation	Num	8	DDMMYY10.		Date of ED separation
4	age_ed	Num	8			Age of patient at ED attendance
5	sex_ed	Num	8	SEXF.		Sex of patient
6	cob_ed	Num	8	COBF.		Country of birth
7	interpreter	Num	8	YNF.		Interpreter required
8	health_insurance	Num	8	YNF.		Have private health insurance
9	triage_category	Num	8	TRIAGEF.		Urgency of presentation
10	dx1	Char	3	\$3.	\$3.	Principal presenting diagnosis (ICD-10-AM codes)
11	dx2	Char	3	\$3.	\$3.	Additional presenting diagnosis 1 (ICD-10-AM codes)
12	dx3	Char	3	\$3.	\$3.	Additional presenting diagnosis 2 (ICD-10-AM codes)
13	dx4	Char	3	\$3.	\$3.	Additional presenting diagnosis 3 (ICD-10-AM codes)
14	dx5	Char	3	\$3.	\$3.	Additional presenting diagnosis 4 (ICD-10-AM codes)
15	separation_mode	Num	8	SEPMODEF.		Status at separation from ED

Obs	ID	ed_admission	ed_separation	age_ed	sex_ed	cob_ed	interpreter	health_insurance	triage_category	dx1	dx2	dx3	dx4	dx5	separation_mode
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Obs	ID	ed_admission	ed_separation	age_ed	sex_ed	cob_ed	interpreter	health_insurance	triage_category	dx1	dx2	dx3	dx4	dx5	separation_mode
1	1	16/06/2014	21/06/2014	59	Female	Overseas	No	Yes	Urgent	F10	Z50	Z50	H82	N93	Departed ED
2	5	19/04/2014	21/04/2014	57	Female	Australia	No	No	Non urgent	S69	Z03	N12	I31	R04	Departed ED
3	5	16/06/2014	21/06/2014	57	Female	Australia	No	No	Urgent	S05	B23	M53	Z49	Z49	Departed ED
4	5	02/07/2014	03/07/2014	57	Female	Australia	No	No	Urgent	R33	Z48	Z46	Z48	O60	Departed ED
5	5	17/07/2014	18/07/2014	57	Female	Australia	No	No	Non urgent	R60	K40	Z39	J38	N44	Departed ED
6	5	30/07/2014	31/07/2014	57	Female	Australia	No	No	Semi urgent	Z48	Z40	M02	S09	Z39	Admitted to hospital
7	6	11/10/2014	12/10/2014	56	Female	Australia	No	No	Urgent	H27	S74	R93	Z40	Z11	Departed ED
8	6	23/10/2014	24/10/2014	56	Female	Australia	No	No	Urgent	Z39	R93	S66	O74	J94	Departed ED
9	6	30/10/2014	30/10/2014	56	Female	Australia	No	No	Semi urgent	M02	I34	A40	Z50	R68	Admitted to hospital
10	6	15/12/2014	19/12/2014	56	Female	Australia	No	No	Urgent	K92	B96	M91	H13	P13	Admitted to hospital

The MEANS Procedure

Variable	Label	Mean	Median	Mode	Std Dev	Variance	Minimum	Maximum	N Miss
ID	Unique person ID	10659.18	12002.00	10760.00	4355.48	18970171.75	1.00	15588.00	0
age_ed	Age of patient at ED attendance	49.04	47.00	47.00	19.43	377.59	18.00	111.00	0
ed_admission	Date of ED attendance	19917.36	19922.00	19965.00	99.91	9981.10	19724.00	20088.00	0
ed_separation	Date of ED separation	19919.19	19924.00	19941.00	99.94	9987.24	19724.00	20088.00	0

The FREQ Procedure

Sex of patient		
sex_ed	Frequency	Percent
Male	15279	50.49
Female	14981	49.51
Frequency Missing = 206		

Country of birth		
cob_ed	Frequency	Percent
Australia	21223	72.19
Overseas	8176	27.81
Frequency Missing = 1067		

Interpreter required		
interpreter	Frequency	Percent
No	24365	80.69
Yes	5829	19.31
Frequency Missing = 272		

Have private health insurance		
health_insurance	Frequency	Percent
No	13440	45.50
Yes	16097	54.50
Frequency Missing = 929		

Urgency of presentation		
triage_category	Frequency	Percent
Resuscitation	607	1.99
Emergency	1083	3.55
Urgent	9064	29.75
Semi urgent	13328	43.75
Non urgent	6384	20.95

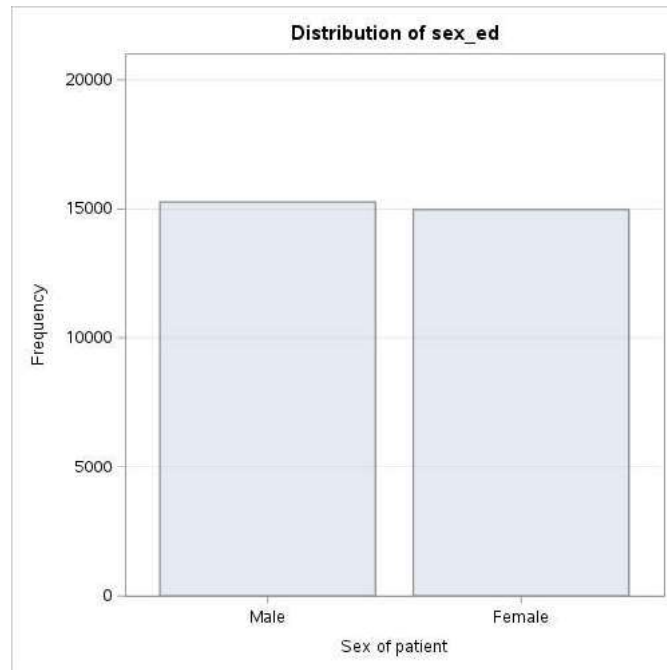
Status at separation from ED		
separation_mode	Frequency	Percent
Admitted to hospital	10907	35.80
Departed ED	19387	63.63
Died in ED	124	0.41
Dead on arrival	48	0.16

dx1	dx2	dx3	dx4	dx5
0	0	0	0	0

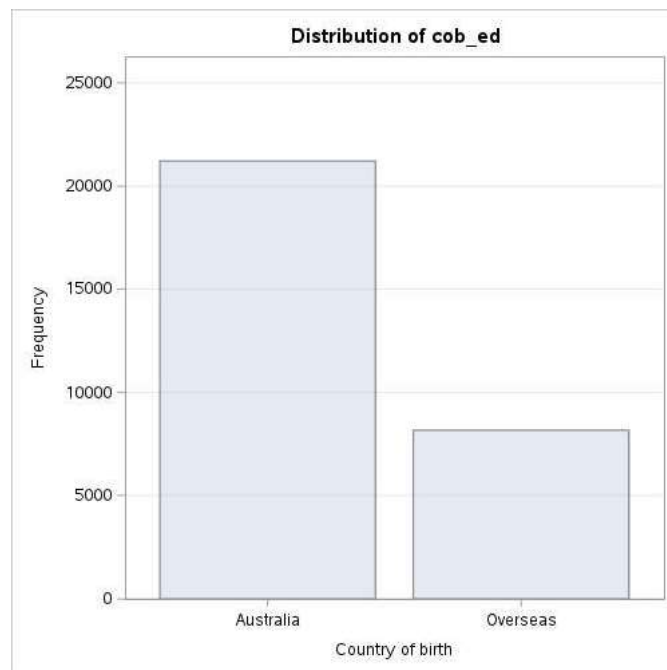
The FREQ Procedure

Sex of patient				
sex_ed	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Male	15279	50.49	15279	50.49
Frequency Missing = 206				

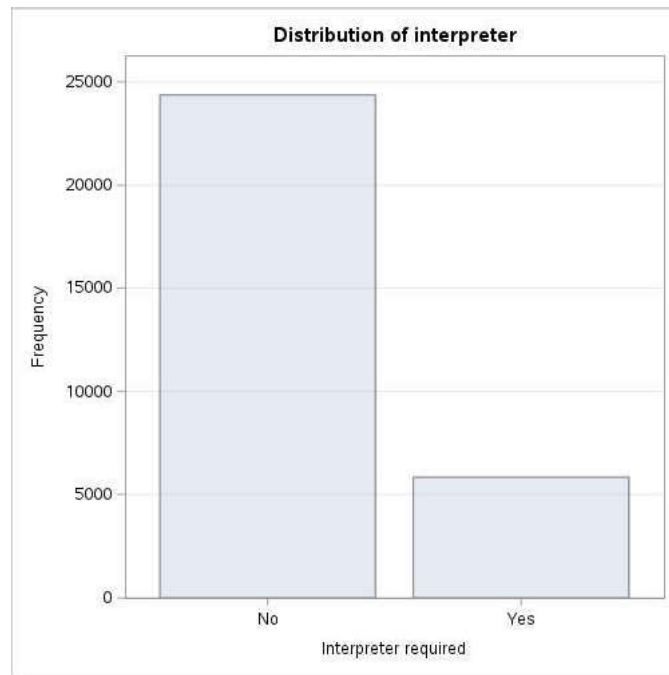
Sex of patient				
sex_ed	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Female	14981	49.51	30260	100.00
Frequency Missing = 206				



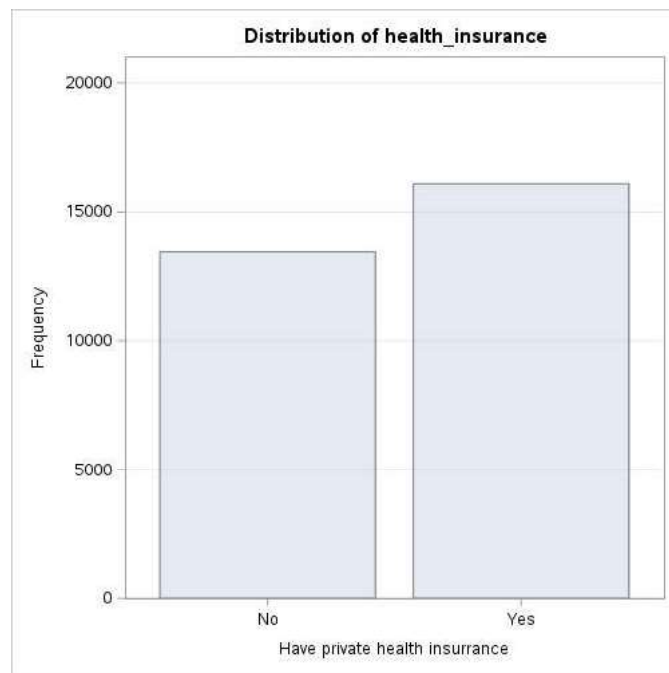
Country of birth				
cob_ed	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Australia	21223	72.19	21223	72.19
Overseas	8176	27.81	29399	100.00
Frequency Missing = 1067				



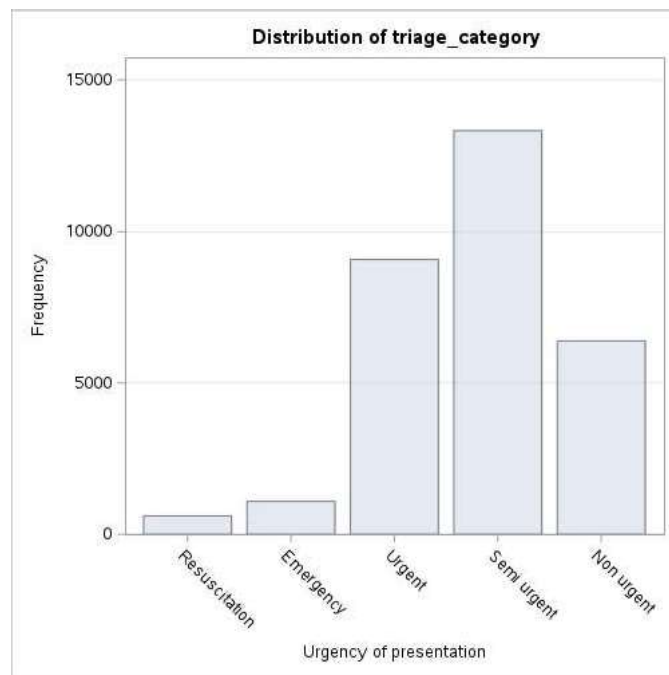
Interpreter required				
interpreter	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	24365	80.69	24365	80.69
Yes	5829	19.31	30194	100.00
Frequency Missing = 272				



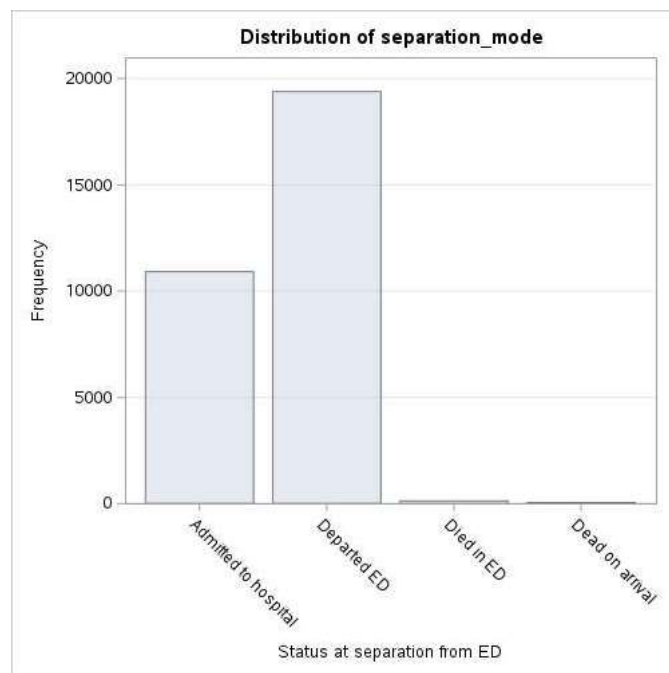
Have private health insurance				
health_insurance	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	13440	45.50	13440	45.50
Yes	16097	54.50	29537	100.00
Frequency Missing = 929				

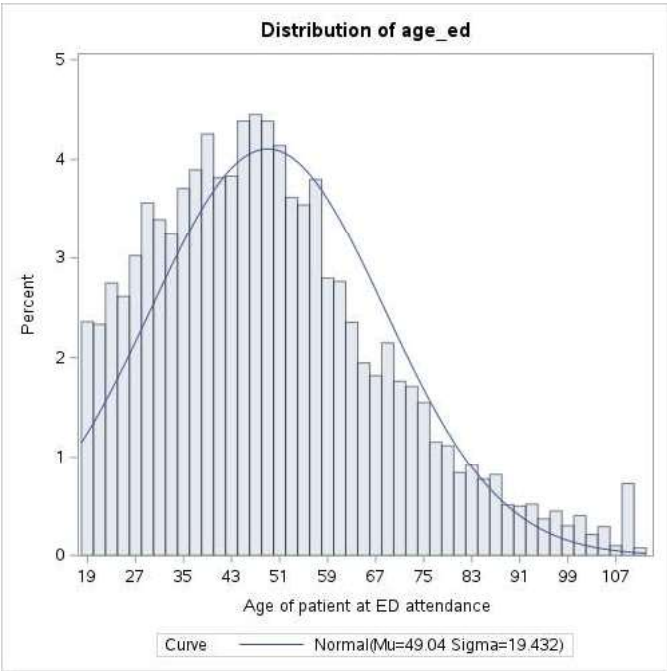


Urgency of presentation				
triage_category	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Resuscitation	607	1.99	607	1.99
Emergency	1083	3.55	1690	5.55
Urgent	9064	29.75	10754	35.30
Semi urgent	13328	43.75	24082	79.05
Non urgent	6384	20.95	30466	100.00



Status at separation from ED				
separation_mode	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Admitted to hospital	10907	35.80	10907	35.80
Departed ED	19387	63.63	30294	99.44
Died in ED	124	0.41	30418	99.84
Dead on arrival	48	0.16	30466	100.00





The UNIVARIATE Procedure
Fitted Normal Distribution for age_ed (Age of patient at ED attendance)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	49.04018
Std Dev	Sigma	19.43177

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.061421	Pr > D <0.010
Cramer-von Mises	W-Sq	34.065260	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	241.239731	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	18.0000	3.83513
5.0	22.0000	17.07777
10.0	25.0000	24.13737
25.0	34.0000	35.93365
50.0	47.0000	49.04018
75.0	60.0000	62.14670
90.0	76.0000	73.94299
95.0	86.0000	81.00259
99.0	105.0000	94.24522

The CONTENTS Procedure

Data Set Name	WORK.PBS	Observations	3164
Member Type	DATA	Variables	6
Engine	V9	Indexes	0
Created	21/02/2024 20:48:10	Observation Length	688
Last Modified	21/02/2024 20:48:10	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	17
First Data Page	1
Max Obs per Page	190
Obs in First Data Page	186
Number of Data Set Repairs	0
Filename	/saswork/SAS_work5A680001DAF4_odaws02-apse1-2.oda.sas.com/SAS_workC01E0001DAF4_odaws02-apse1-2.oda.sas.com/pbs.sas7bdat
Release Created	9,0401M7

Engine/Host Dependent Information	
Host Created	Linux
Inode Number	525849
Access Permission	rw-r--r--
Owner Name	u62298616
File Size	2MB
File Size (bytes)	2359296

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
1	ID	Num	8			Unique person ID
2	supply_date	Num	8	DDMMYY10.	DDMMYY10.	Date of medication dispensed
3	ATC	Char	7	\$7.	\$7.	Anatomical Therapeutic Chemical code
4	drug_name	Char	250	\$250.	\$250.	Generic name of medicine
5	item_code	Char	10	\$10.	\$10.	PBS item code
6	form_strength	Char	400	\$400.	\$400.	Form and strength of medicine

Obs	ID	supply_date	ATC	drug_name	item_code	form_strength
1	15	19/01/2014	N07BA03	VARENICLINE	09129L	Tablet 1mg (as tartrate) 112
2	15	27/03/2014	A02BC02	PANTOPRAZOLE	09424B	Sachet containing granules 40mg 30
3	15	16/07/2014	A07EC01	SULPHASALAZINE	09209Q	Tablet 500mg (enteric coated) 200
4	15	07/08/2014	A07EC01	SULPHASALAZINE	09209Q	Tablet 500mg (enteric coated) 200
5	15	22/09/2014	A02BC02	PANTOPRAZOLE	09424B	Sachet containing granules 40mg 30
6	41	29/04/2014	N05AH04	QUETIAPINE	09205L	Tablet (modified release) equivalent to 400mg 60
7	41	24/08/2014	N05AH04	QUETIAPINE	09205L	Tablet (modified release) equivalent to 400mg 60
8	41	24/08/2014	N07BA03	VARENICLINE	09129L	Tablet 1mg (as tartrate) 112
9	41	28/11/2014	N05AH04	QUETIAPINE	09205L	Tablet (modified release) equivalent to 400mg 60
10	100	28/02/2014	N07BA03	VARENICLINE	09129L	Tablet 1mg (as tartrate) 112

The MEANS Procedure

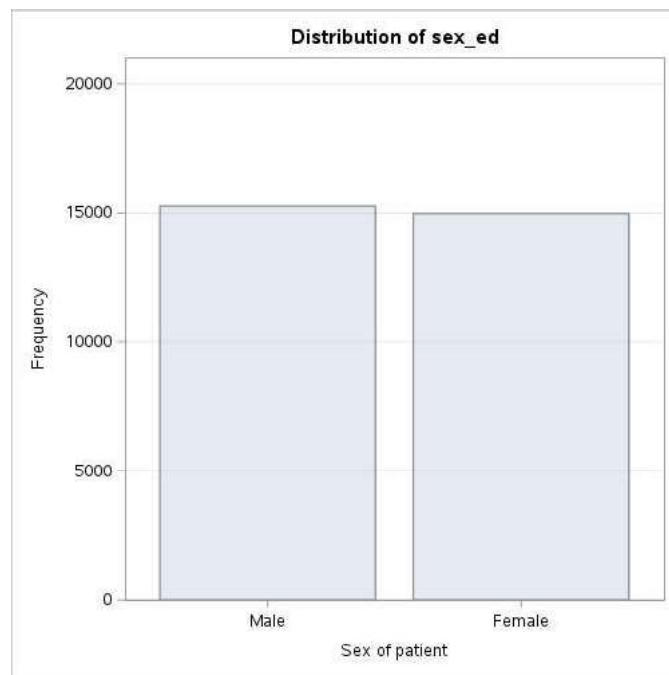
Variable	Label	Mean	Median	Mode	Std Dev	Variance	Minimum	Maximum	N Miss
ID	Unique person ID	6186.81	4763.00	13465.00	4250.29	18065006.68	15.00	15580.00	0
supply_date	Date of medication dispensed	19904.61	19906.00	19968.00	104.23	10864.78	19724.00	20088.00	0

ATC	drug_name	item_code	form_strength
247	244	247	225

ATC	drug_name	item_code	form_strength
0	0	0	0

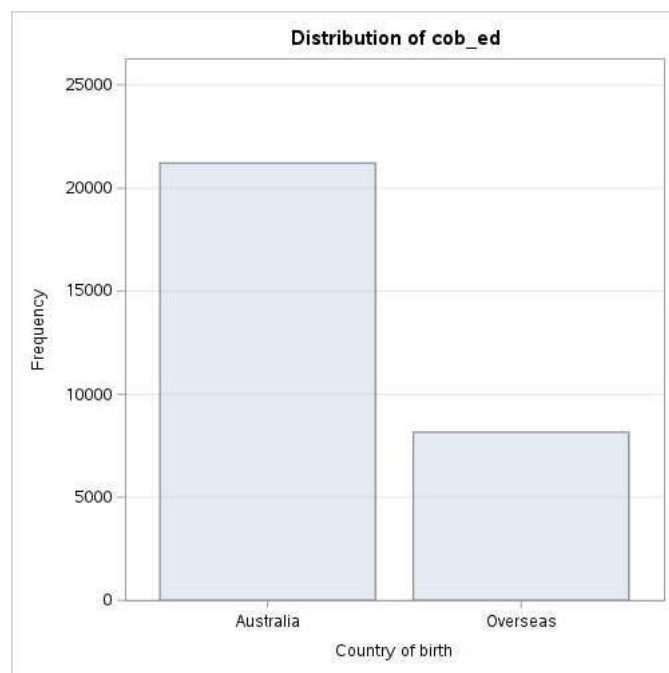
The FREQ Procedure

Sex of patient				
sex_ed	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Male	15279	50.49	15279	50.49
Female	14981	49.51	30260	100.00
Frequency Missing = 206				



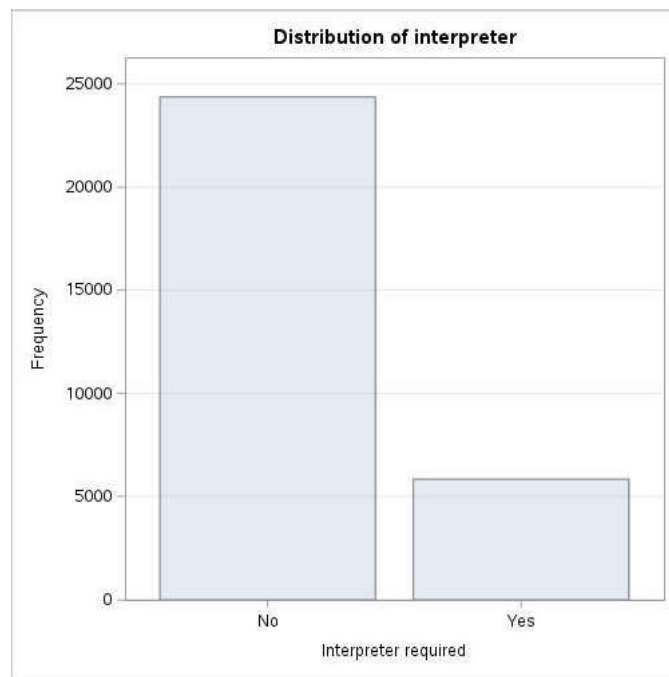
Country of birth				
cob_ed	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Australia	21223	72.19	21223	72.19
Overseas	8176	27.81	29399	100.00

Frequency Missing = 1067

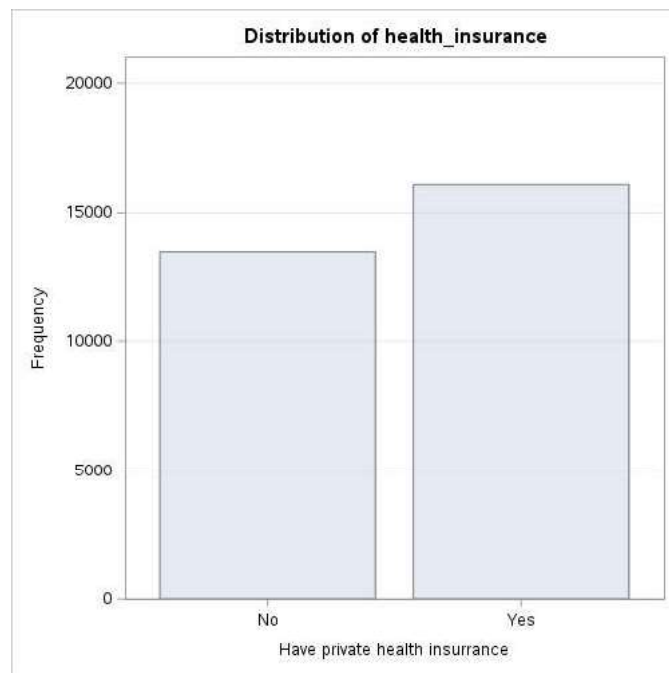


Interpreter required				
interpreter	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	24365	80.69	24365	80.69
Yes	5829	19.31	30194	100.00

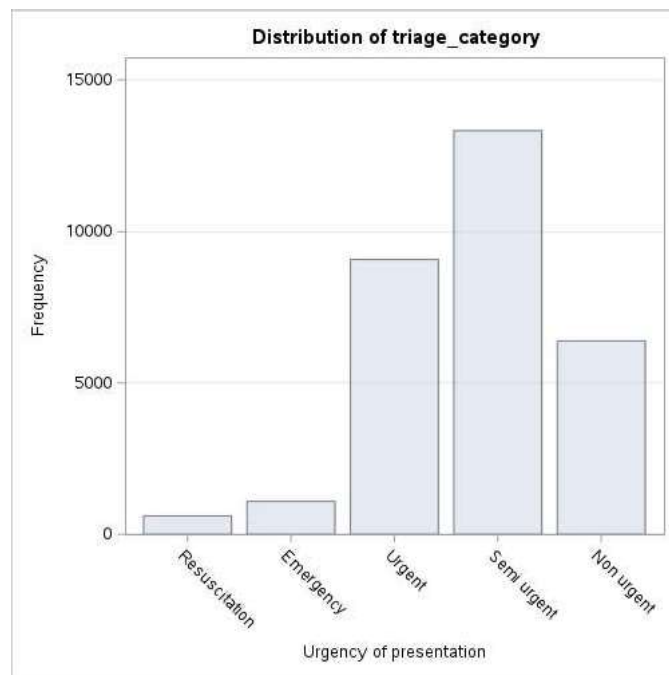
Frequency Missing = 272



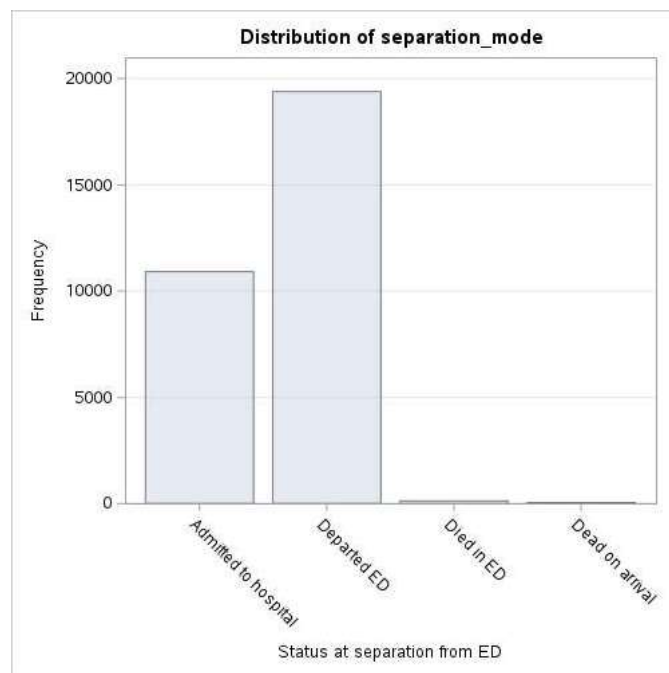
Have private health insurance				
health_insurance	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	13440	45.50	13440	45.50
Yes	16097	54.50	29537	100.00
Frequency Missing = 929				

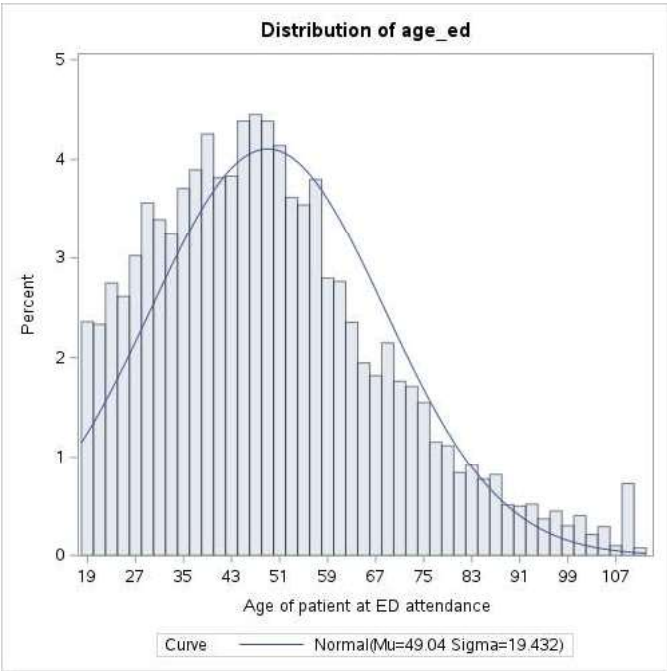


Urgency of presentation				
triage_category	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Resuscitation	607	1.99	607	1.99
Emergency	1083	3.55	1690	5.55
Urgent	9064	29.75	10754	35.30
Semi urgent	13328	43.75	24082	79.05
Non urgent	6384	20.95	30466	100.00



Status at separation from ED				
separation_mode	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Admitted to hospital	10907	35.80	10907	35.80
Departed ED	19387	63.63	30294	99.44
Died in ED	124	0.41	30418	99.84
Dead on arrival	48	0.16	30466	100.00





The UNIVARIATE Procedure
Fitted Normal Distribution for age_ed (Age of patient at ED attendance)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	49.04018
Std Dev	Sigma	19.43177

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.061421	Pr > D	<0.010
Cramer-von Mises	W-Sq	34.065260	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	241.239731	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	18.0000	3.83513
5.0	22.0000	17.07777
10.0	25.0000	24.13737
25.0	34.0000	35.93365
50.0	47.0000	49.04018
75.0	60.0000	62.14670
90.0	76.0000	73.94299
95.0	86.0000	81.00259
99.0	105.0000	94.24522

The FREQ Procedure

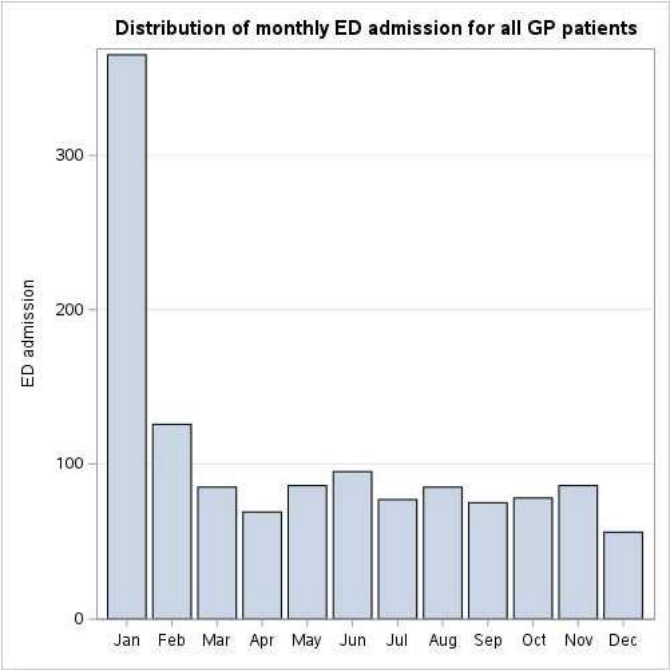
Agegroup_GP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Under 60 years old	4526	85.40	4526	85.40
60 years old and older	774	14.60	5300	100.00

The FREQ Procedure

ed_record	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	4017	75.79	4017	75.79
Yes	1283	24.21	5300	100.00

Total_number
1283

Total_number
4017



Distribution of monthly ED admission for all GP patients

The FREQ Procedure

Frequency Col Pct	Table of sex by ed_record			
	sex(Sex of patient)	ed_record		
		No	Yes	Total
	Male	1720 42.91	644 50.23	2364
	Female	2288 57.09	638 49.77	2926
	Total	4008	1282	5290
Frequency Missing = 10				

Statistics for Table of sex by ed_record

Statistic	DF	Value	Prob
Chi-Square	1	21.0549	<.0001
Likelihood Ratio Chi-Square	1	20.9760	<.0001
Continuity Adj. Chi-Square	1	20.7598	<.0001
Mantel-Haenszel Chi-Square	1	21.0509	<.0001
Phi Coefficient		-0.0631	
Contingency Coefficient		0.0630	
Cramer's V		-0.0631	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1720
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5290
Frequency Missing = 10

Frequency Col Pct	Table of Agegroup_GP by ed_record			
	Agegroup_GP	ed_record		
		No	Yes	Total
	Under 60 years old	3435 85.51	1091 85.04	4526
	60 years old and older	582 14.49	192 14.96	774
	Total	4017	1283	5300

Statistics for Table of Agegroup_GP by ed_record

Statistic	DF	Value	Prob
Chi-Square	1	0.1770	0.6739
Likelihood Ratio Chi-Square	1	0.1762	0.6746
Continuity Adj. Chi-Square	1	0.1409	0.7074
Mantel-Haenszel Chi-Square	1	0.1770	0.6740
Phi Coefficient		0.0058	
Contingency Coefficient		0.0058	
Cramer's V		0.0058	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3435
Left-sided Pr <= F	0.6810
Right-sided Pr >= F	0.3519
Table Probability (P)	0.0329
Two-sided Pr <= P	0.6829

Sample Size = 5300

Frequency Col Pct	Table of cob by ed_record			
	cob(Country of birth)	ed_record		
		No	Yes	Total
	Australia	1647 41.65	586 45.67	2233
	Overseas	2307 58.35	697 54.33	3004
	Total	3954	1283	5237
Frequency Missing = 63				

Statistics for Table of cob by ed_record

Statistic	DF	Value	Prob
Chi-Square	1	6.4010	0.0114
Likelihood Ratio Chi-Square	1	6.3780	0.0116
Continuity Adj. Chi-Square	1	6.2377	0.0125
Mantel-Haenszel Chi-Square	1	6.3998	0.0114
Phi Coefficient		-0.0350	
Contingency Coefficient		0.0349	
Cramer's V		-0.0350	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1647
Left-sided Pr <= F	0.0063
Right-sided Pr >= F	0.9947
Table Probability (P)	0.0011
Two-sided Pr <= P	0.0124

Sample Size = 5237
Frequency Missing = 63

Frequency Col Pct	Table of healthcare_card by ed_record			
	healthcare_card(Have a health care card)	ed_record		
		No	Yes	Total
	No	2903 72.36	701 54.77	3604
	Yes	1109 27.64	579 45.23	1688
	Total	4012	1280	5292
Frequency Missing = 8				

Statistics for Table of healthcare_card by ed_record

Statistic	DF	Value	Prob
Chi-Square	1	138.2544	<.0001
Likelihood Ratio Chi-Square	1	133.2717	<.0001
Continuity Adj. Chi-Square	1	137.4457	<.0001
Mantel-Haenszel Chi-Square	1	138.2282	<.0001
Phi Coefficient		0.1616	
Contingency Coefficient		0.1596	
Cramer's V		0.1616	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2903
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001

Fisher's Exact Test	
Two-sided Pr <= P	<.0001

Sample Size = 5292
Frequency Missing = 8

Frequency Col Pct	Table of Smoke_current_GP by ed_record			
	Smoke_current_GP(Being a current smoker)	ed_record		
		No	Yes	Total
	No	3481 87.18	1014 80.54	4495
	Yes	512 12.82	245 19.46	757
	Total	3993	1259	5252
Frequency Missing = 48				

Statistics for Table of Smoke_current_GP by ed_record

Statistic	DF	Value	Prob
Chi-Square	1	34.1843	<.0001
Likelihood Ratio Chi-Square	1	32.3072	<.0001
Continuity Adj. Chi-Square	1	33.6484	<.0001
Mantel-Haenszel Chi-Square	1	34.1778	<.0001
Phi Coefficient		0.0807	
Contingency Coefficient		0.0804	
Cramer's V		0.0807	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3481
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5252
Frequency Missing = 48

Frequency Col Pct	Table of Risky_alcohol_GP by ed_record			
	Risky_alcohol_GP(Have two or more alcohol drinks per day)	ed_record		
		No	Yes	Total
	No	3304 87.22	779 63.96	4083
	Yes	484 12.78	439 36.04	923
	Total	3788	1218	5006
Frequency Missing = 294				

Statistics for Table of Risky_alcohol_GP by ed_record

Statistic	DF	Value	Prob
Chi-Square	1	331.7354	<.0001
Likelihood Ratio Chi-Square	1	298.0875	<.0001
Continuity Adj. Chi-Square	1	330.1902	<.0001
Mantel-Haenszel Chi-Square	1	331.6692	<.0001
Phi Coefficient		0.2574	
Contingency Coefficient		0.2493	
Cramer's V		0.2574	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3304
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5006
Frequency Missing = 294

Frequency Col Pct	Table of Obese_GP by ed_record			
	Obese_GP(Being obese (BMI>=30))	ed_record		
		No	Yes	Total
	No	2907 73.59	700 55.60	3607
	Yes	1043 26.41	559 44.40	1602
	Total	3950	1259	5209
Frequency Missing = 91				

Statistics for Table of Obese_GP by ed_record

Statistic	DF	Value	Prob
Chi-Square	1	145.1726	<.0001
Likelihood Ratio Chi-Square	1	139.3714	<.0001
Continuity Adj. Chi-Square	1	144.3288	<.0001
Mantel-Haenszel Chi-Square	1	145.1447	<.0001
Phi Coefficient		0.1669	
Contingency Coefficient		0.1647	
Cramer's V		0.1669	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2907
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5209
Frequency Missing = 91

Frequency
Col Pct

Table of HighBP_GP by ed_record			
HighBP_GP(Have high blood pressure (>=135/85mmHg))	ed_record		
	No	Yes	Total
No	2915 72.57	735 57.29	3650
Yes	1102 27.43	548 42.71	1650
Total	4017	1283	5300

Statistics for Table of HighBP_GP by ed_record

Statistic	DF	Value	Prob
Chi-Square	1	105.8806	<.0001
Likelihood Ratio Chi-Square	1	102.2101	<.0001
Continuity Adj. Chi-Square	1	105.1692	<.0001
Mantel-Haenszel Chi-Square	1	105.8607	<.0001
Phi Coefficient		0.1413	
Contingency Coefficient		0.1400	
Cramer's V		0.1413	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2915
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5300

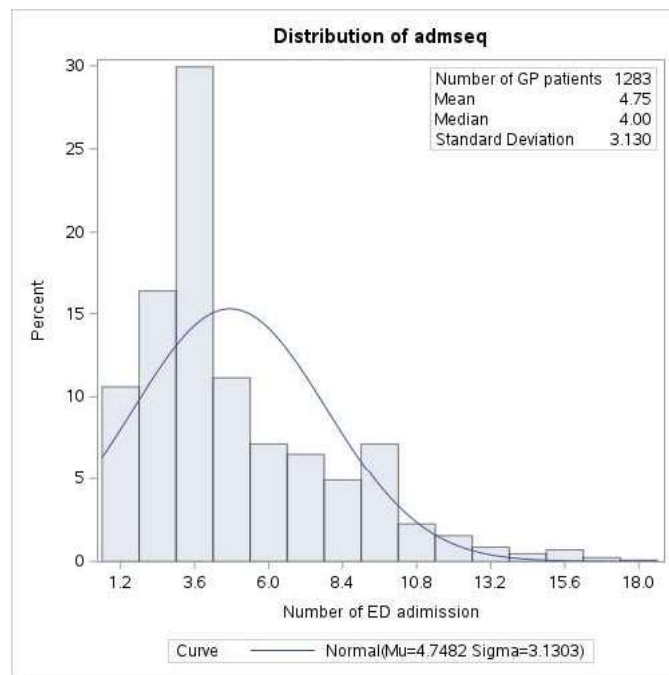
Distribution of monthly ED admission for all GP patients

The MEANS Procedure

Variable	Label	Minimum	Median	Mean	Maximum	Lower Quartile	Upper Quartile	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	99th Pctl
ID admseq	Unique patientID	1.0000000 1.0000000	2831.00 4.0000000	2879.25 4.7482463	5793.00 18.0000000	1433.00 2.0000000	4384.00 6.0000000	556.0000000 1.0000000	1433.00 2.0000000	2831.00 4.0000000	4384.00 6.0000000	5190.00 9.0000000	5740.00 15.0000000

Distribution of number of ED admission per single GP patient

The UNIVARIATE Procedure



Distribution of number of ED admission per single GP patient

The UNIVARIATE Procedure
Fitted Normal Distribution for admseq (Number of ED admission)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.748246
Std Dev	Sigma	3.130256

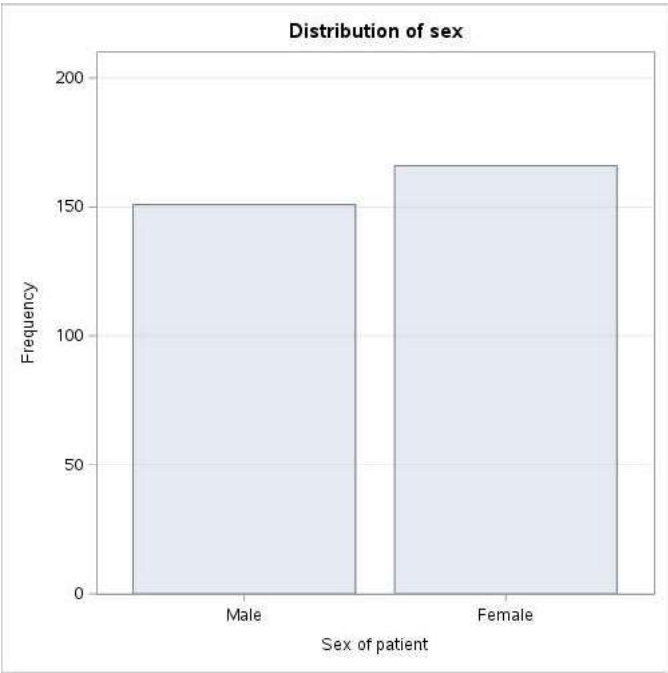
Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1634404	Pr > D	<0.010
Cramer-von Mises	W-Sq	6.3507912	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	37.4978861	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-2.53382
5.0	1.00000	-0.40057
10.0	1.00000	0.73666
25.0	2.00000	2.63692
50.0	4.00000	4.74825
75.0	6.00000	6.85957
90.0	9.00000	8.75983
95.0	11.00000	9.89706
99.0	15.00000	12.03031

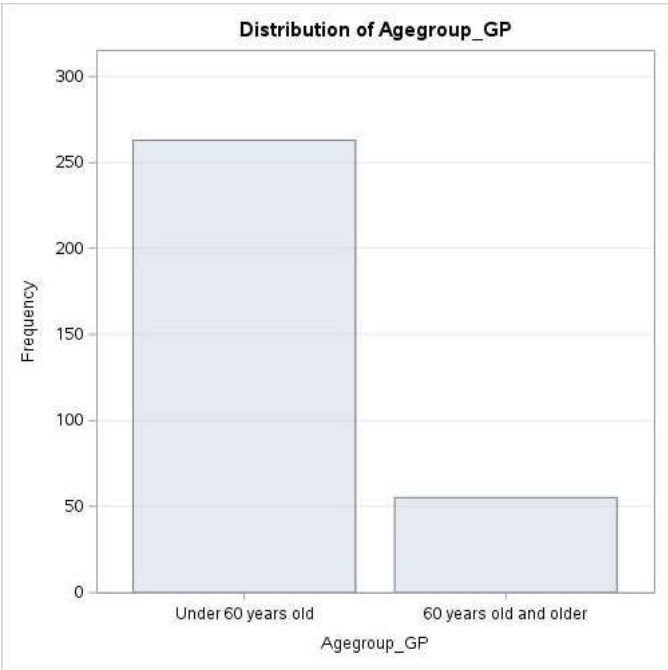
Socio-demographic report of the highest 25% of ED visit patients

The FREQ Procedure

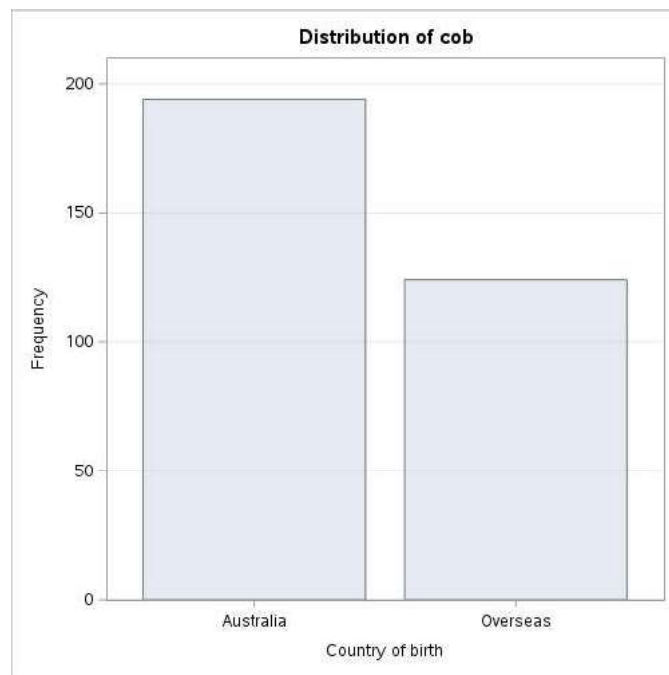
Sex of patient				
sex	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Male	151	47.63	151	47.63
Female	166	52.37	317	100.00
Frequency Missing = 1				



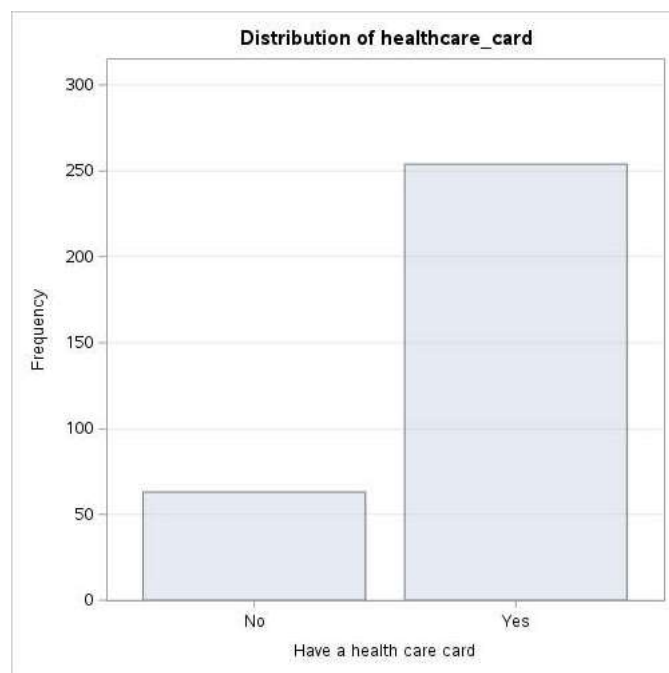
Agegroup_GP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Under 60 years old	263	82.70	263	82.70
60 years old and older	55	17.30	318	100.00



Country of birth				
cob	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Australia	194	61.01	194	61.01
Overseas	124	38.99	318	100.00



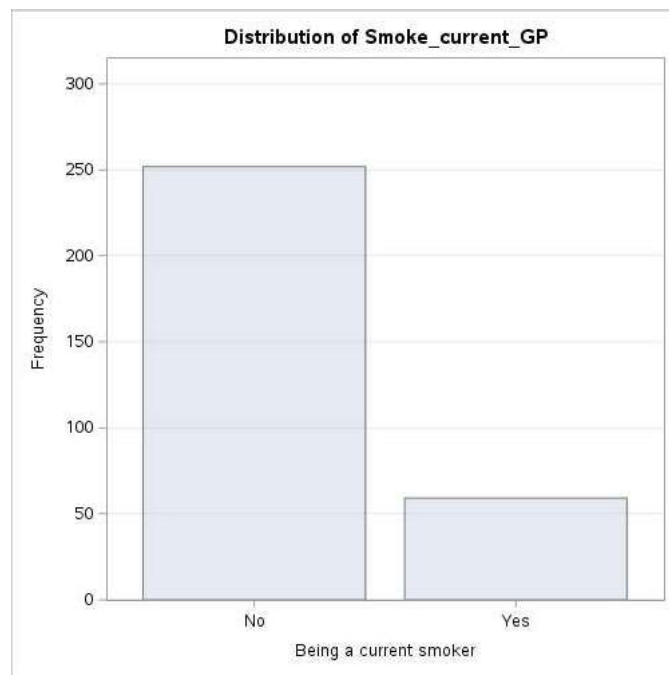
Have a health care card				
healthcare_card	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	63	19.87	63	19.87
Yes	254	80.13	317	100.00
Frequency Missing = 1				



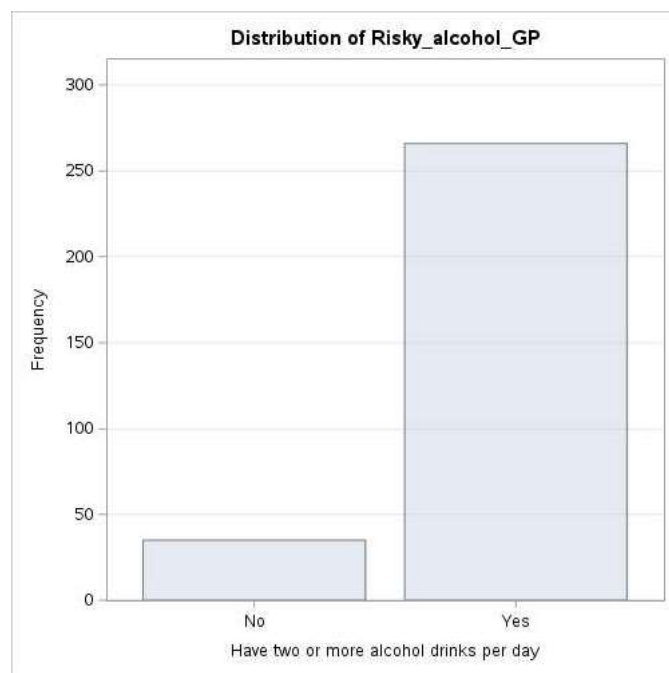
Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

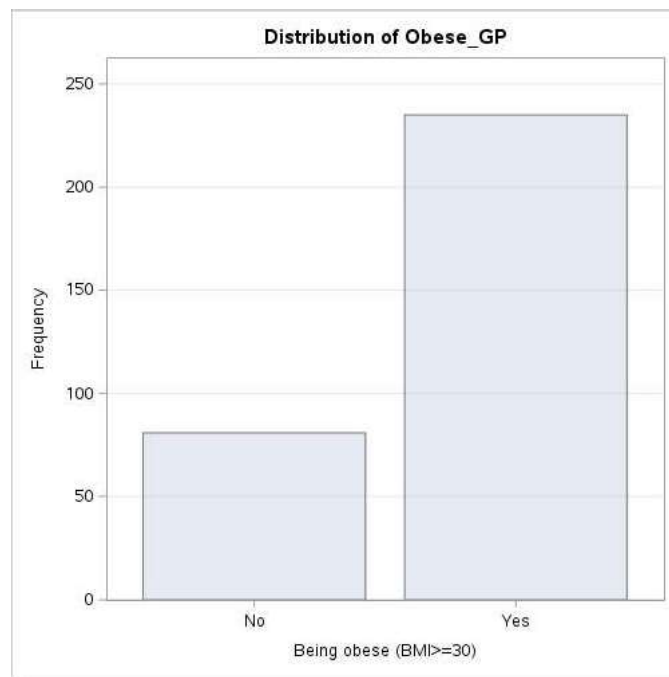
Being a current smoker				
Smoke_current_GP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	252	81.03	252	81.03
Yes	59	18.97	311	100.00
Frequency Missing = 7				



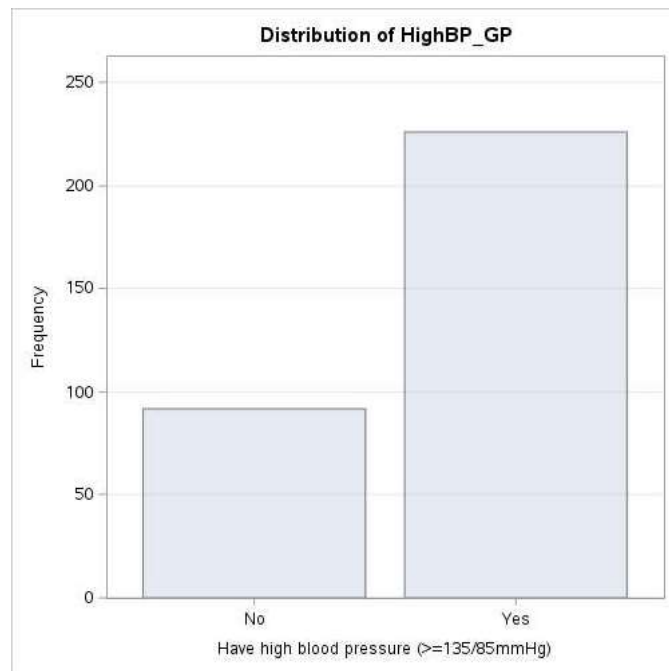
Have two or more alcohol drinks per day				
Risky_alcohol_GP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	35	11.63	35	11.63
Yes	266	88.37	301	100.00
Frequency Missing = 17				



Being obese (BMI>=30)				
Obese_GP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	81	25.63	81	25.63
Yes	235	74.37	316	100.00
Frequency Missing = 2				



Have high blood pressure (>=135/85mmHg)				
HighBP_GP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	92	28.93	92	28.93
Yes	226	71.07	318	100.00



Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

smoker_ED	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	4758	84.41	4758	84.41
Yes, smoker	879	15.59	5637	100.00

risky_alcohol_ED	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	4507	79.95	4507	79.95
Yes, drinker	1130	20.05	5637	100.00

obesity_ED	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	4117	73.04	4117	73.04
Yes, obese	1520	26.96	5637	100.00

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

gp_record	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	4354	77.24	4354	77.24
Yes	1283	22.76	5637	100.00

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Frequency Col Pct	Table of sex_ed by gp_record			
	sex_ed(Sex of patient)	gp_record		
		No	Yes	Total
	Male	2206 51.10	644 50.23	2850
	Female	2111 48.90	638 49.77	2749
	Total	4317	1282	5599
Frequency Missing = 38				

Statistics for Table of sex_ed by gp_record

Statistic	DF	Value	Prob
Chi-Square	1	0.2968	0.5859
Likelihood Ratio Chi-Square	1	0.2968	0.5859
Continuity Adj. Chi-Square	1	0.2632	0.6080
Mantel-Haenszel Chi-Square	1	0.2968	0.5859
Phi Coefficient		0.0073	
Contingency Coefficient		0.0073	
Cramer's V		0.0073	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2206
Left-sided Pr <= F	0.7179
Right-sided Pr >= F	0.3040
Table Probability (P)	0.0219
Two-sided Pr <= P	0.5888

Sample Size = 5599
Frequency Missing = 38

Frequency Col Pct	Table of agegroup_ed by gp_record			
	agegroup_ed	gp_record		
		No	Yes	Total
	Under 60 years old	3149 72.32	1086 84.65	4235
	60 years old and older	1205 27.68	197 15.35	1402
	Total	4354	1283	5637

Statistics for Table of agegroup_ed by gp_record

Statistic	DF	Value	Prob
Chi-Square	1	80.5115	<.0001
Likelihood Ratio Chi-Square	1	86.9179	<.0001
Continuity Adj. Chi-Square	1	79.8535	<.0001
Mantel-Haenszel Chi-Square	1	80.4972	<.0001
Phi Coefficient		-0.1195	
Contingency Coefficient		0.1187	
Cramer's V		-0.1195	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3149
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5637

Frequency Col Pct	Table of cob_ed by gp_record			
	cob_ed(Country of birth)	gp_record		
		No	Yes	Total
	Australia	3203 77.14	586 45.67	3789
	Overseas	949 22.86	697 54.33	1646
	Total	4152	1283	5435
Frequency Missing = 202				

Statistics for Table of cob_ed by gp_record

Statistic	DF	Value	Prob
Chi-Square	1	459.7318	<.0001
Likelihood Ratio Chi-Square	1	433.4514	<.0001
Continuity Adj. Chi-Square	1	458.2425	<.0001
Mantel-Haenszel Chi-Square	1	459.6472	<.0001
Phi Coefficient		0.2908	
Contingency Coefficient		0.2793	
Cramer's V		0.2908	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3203
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5435
Frequency Missing = 202

Frequency Col Pct	Table of health_insurance by gp_record			
	health_insurance(Have private health insurance)	gp_record		
		No	Yes	Total
	No	1914 45.42	576 46.01	2490
	Yes	2300 54.58	676 53.99	2976
	Total	4214	1252	5466
Frequency Missing = 171				

Statistics for Table of health_insurance by gp_record

Statistic	DF	Value	Prob
Chi-Square	1	0.1338	0.7145
Likelihood Ratio Chi-Square	1	0.1338	0.7146
Continuity Adj. Chi-Square	1	0.1112	0.7388
Mantel-Haenszel Chi-Square	1	0.1338	0.7145
Phi Coefficient		-0.0049	
Contingency Coefficient		0.0049	
Cramer's V		-0.0049	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1914
Left-sided Pr <= F	0.3692
Right-sided Pr >= F	0.6549
Table Probability (P)	0.0241
Two-sided Pr <= P	0.7223

Sample Size = 5466
Frequency Missing = 171

Frequency Col Pct	Table of smoker_ED by gp_record			
	smoker_ED	gp_record		
		No	Yes	Total
	No	4231 97.18	1191 92.83	5422
	Yes, smoker	123 2.82	92 7.17	215
	Total	4354	1283	5637

Statistics for Table of smoker_ED by gp_record

Statistic	DF	Value	Prob
Chi-Square	1	51.0136	<.0001
Likelihood Ratio Chi-Square	1	44.2731	<.0001

Statistic	DF	Value	Prob
Continuity Adj. Chi-Square	1	49.8359	<.0001
Mantel-Haenszel Chi-Square	1	51.0045	<.0001
Phi Coefficient		0.0951	
Contingency Coefficient		0.0947	
Cramer's V		0.0951	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	4231
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5637

Frequency Col Pct	Table of risky_alcohol_ED by gp_record			
	gp_record			
risky_alcohol_ED	No	Yes	Total	
No	4224 97.01	1178 91.82	5402	
Yes, drinker	130 2.99	105 8.18	235	
Total	4354	1283	5637	

Statistics for Table of risky_alcohol_ED by gp_record

Statistic	DF	Value	Prob
Chi-Square	1	67.0261	<.0001
Likelihood Ratio Chi-Square	1	57.6864	<.0001
Continuity Adj. Chi-Square	1	65.7313	<.0001
Mantel-Haenszel Chi-Square	1	67.0142	<.0001
Phi Coefficient		0.1090	
Contingency Coefficient		0.1084	
Cramer's V		0.1090	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	4224
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5637

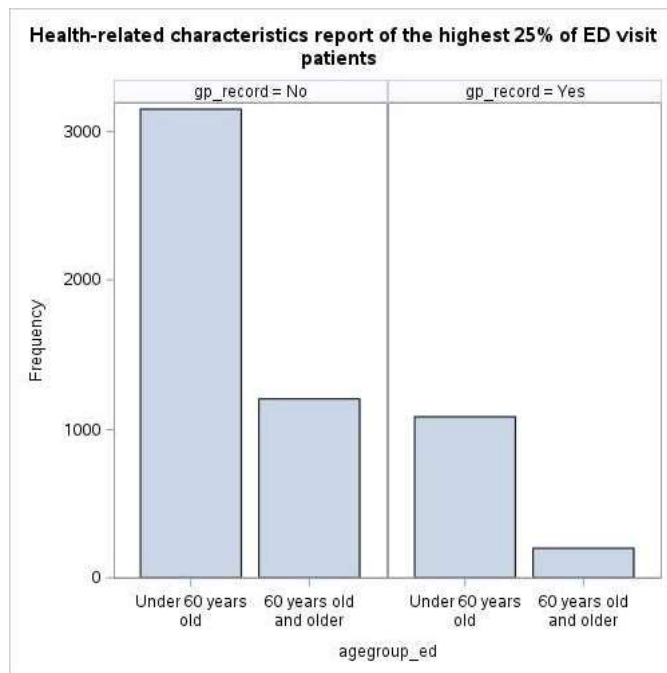
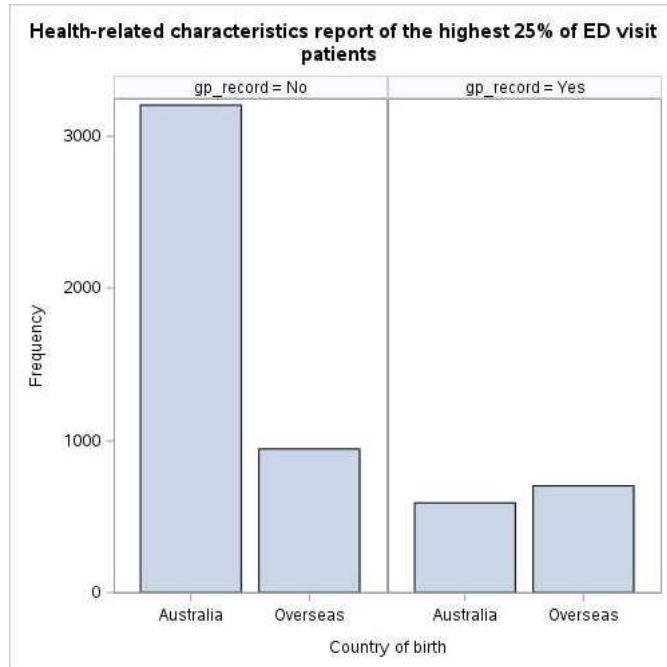
Frequency Col Pct	Table of obesity_ED by gp_record			
	gp_record			
obesity_ED	No	Yes	Total	
No	4174 95.87	1196 93.22	5370	
Yes, obese	180 4.13	87 6.78	267	
Total	4354	1283	5637	

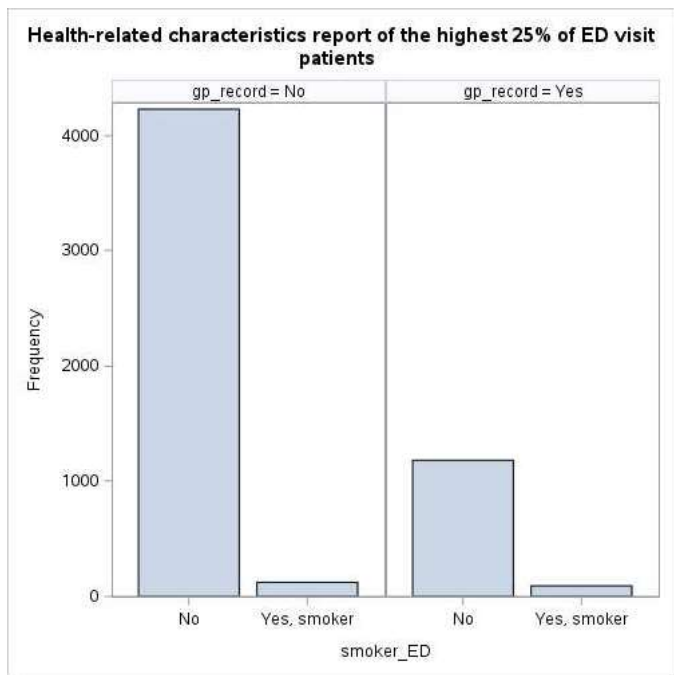
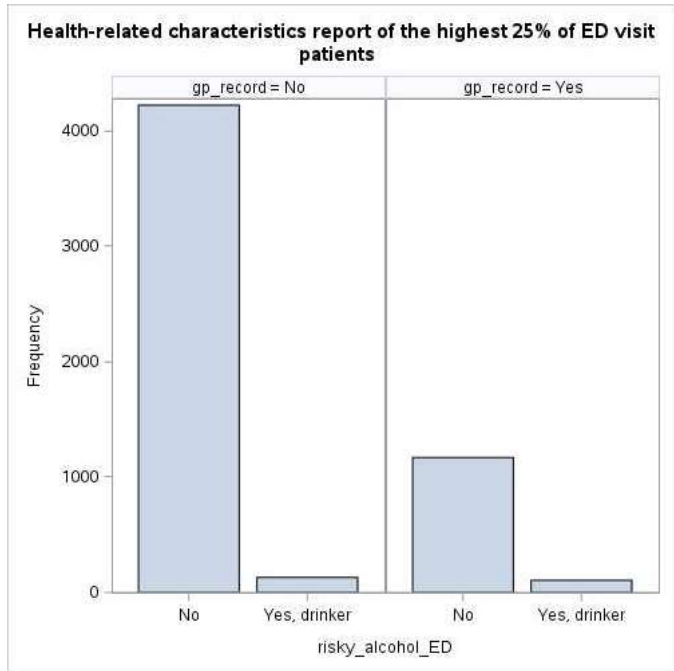
Statistics for Table of obesity_ED by gp_record

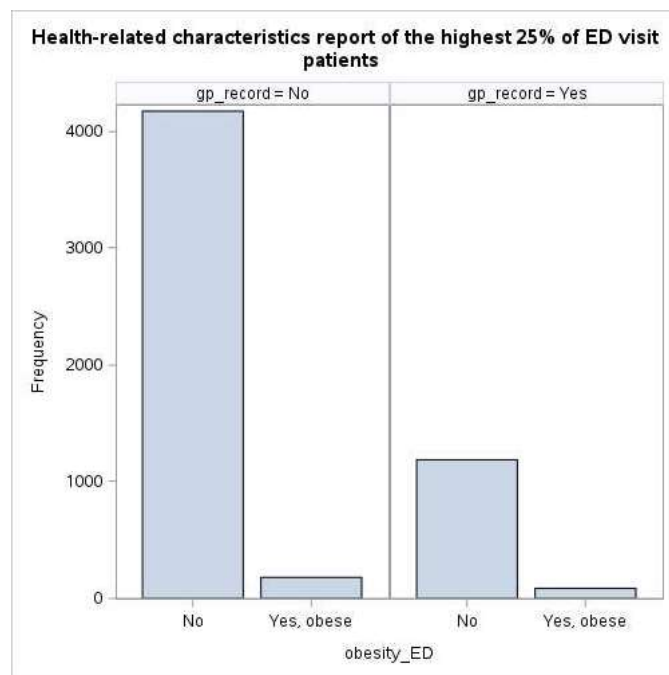
Statistic	DF	Value	Prob
Chi-Square	1	15.3864	<.0001
Likelihood Ratio Chi-Square	1	14.1930	0.0002
Continuity Adj. Chi-Square	1	14.8054	0.0001
Mantel-Haenszel Chi-Square	1	15.3837	<.0001
Phi Coefficient		0.0522	
Contingency Coefficient		0.0522	
Cramer's V		0.0522	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	4174
Left-sided Pr <= F	0.9999
Right-sided Pr >= F	0.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	0.0002

Sample Size = 5637







Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Sex of patient=.

Frequency	Table of smoker_ED by Smoke_current_GP		
	Smoke_current_GP(Being a current smoker)		
	smoker_ED	No	Total
	No	1	1
	Total	1	1
Frequency Missing = 37			

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Sex of patient=Male

Frequency	Table of smoker_ED by Smoke_current_GP				
	smoker_ED	Smoke_current_GP(Being a current smoker)			
		No	Yes	Total	
		No	459	117	576
		Yes, smoker	21	30	51
Total	480	147	627		
Frequency Missing = 2223					

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9563	0.0093	0.9380	0.9745
Specificity	0.2041	0.0332	0.1389	0.2692
Positive Predictive Value	0.7969	0.0168	0.7640	0.8297
Negative Predictive Value	0.5882	0.0689	0.4532	0.7233

Sample Size = 627

Frequency Missing = 2223

WARNING: 78% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Sex of patient=Female

Frequency	Table of smoker_ED by Smoke_current_GP			
	smoker_ED	Smoke_current_GP(Being a current smoker)		
		No	Yes	Total
		No	Yes	Total
	No	512	78	590
	Yes, smoker	21	20	41

Table of smoker_ED by Smoke_current_GP			
	Smoke_current_GP(Being a current smoker)		
smoker_ED	No	Yes	Total
Total	533	98	631
Frequency Missing = 2118			

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9606	0.0084	0.9441	0.9771
Specificity	0.2041	0.0407	0.1243	0.2839
Positive Predictive Value	0.8678	0.0139	0.8405	0.8951
Negative Predictive Value	0.4878	0.0781	0.3348	0.6408

Sample Size = 631
Frequency Missing = 2118

WARNING: 77% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

agegroup_ed=Under 60 years old

Frequency	Table of smoker_ED by Smoke_current_GP			
	Smoke_current_GP(Being a current smoker)			
	smoker_ED	No	Yes	Total
No		813	173	986
Yes, smoker		34	46	80
Total		847	219	1066
Frequency Missing = 3169				

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9599	0.0067	0.9466	0.9731
Specificity	0.2100	0.0275	0.1561	0.2640
Positive Predictive Value	0.8245	0.0121	0.8008	0.8483
Negative Predictive Value	0.5750	0.0553	0.4667	0.6833

Sample Size = 1066
Frequency Missing = 3169

WARNING: 75% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

agegroup_ed=60 years old and older

Frequency	Table of smoker_ED by Smoke_current_GP			
	Smoke_current_GP(Being a current smoker)			
	smoker_ED	No	Yes	Total
No		159	22	181
Yes, smoker		8	4	12
Total		167	26	193
Frequency Missing = 1209				

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9521	0.0165	0.9197	0.9845
Specificity	0.1538	0.0708	0.0152	0.2925
Positive Predictive Value	0.8785	0.0243	0.8308	0.9261
Negative Predictive Value	0.3333	0.1361	0.0666	0.6001

Sample Size = 193
Frequency Missing = 1209

WARNING: 86% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Country of birth=.

For smoker_ED * Smoke_current_GP
all data are missing because
all levels of variable Smoke_current_GP are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Country of birth=Australia

Frequency	Table of smoker_ED by Smoke_current_GP			
smoker_ED	Smoke_current_GP(Being a current smoker)			Total
	No	Yes	Total	
No	503	45	548	
Yes, smoker	18	12	30	
Total	521	57	578	
Frequency Missing = 3211				

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9655	0.0080	0.9498	0.9811
Specificity	0.2105	0.0540	0.1047	0.3164
Positive Predictive Value	0.9179	0.0117	0.8949	0.9409
Negative Predictive Value	0.4000	0.0894	0.2247	0.5753

Sample Size = 578
Frequency Missing = 3211

WARNING: 85% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Country of birth=Overseas

Frequency	Table of smoker_ED by Smoke_current_GP			
	Smoke_current_GP(Being a current smoker)			
smoker_ED	No	Yes	Total	
No	469	150	619	
Yes, smoker	24	38	62	
Total	493	188	681	
Frequency Missing = 965				

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9513	0.0097	0.9323	0.9703
Specificity	0.2021	0.0293	0.1447	0.2595
Positive Predictive Value	0.7577	0.0172	0.7239	0.7914
Negative Predictive Value	0.6129	0.0619	0.4917	0.7341

Sample Size = 681
Frequency Missing = 965

WARNING: 59% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Have private health insurance=.

Frequency	Table of smoker_ED by Smoke_current_GP			
	smoker_ED	Smoke_current_GP(Being a current smoker)		
	No	Yes	Total	
No	22	5	27	
Yes, smoker	1	3	4	
Total	23	8	31	
Frequency Missing = 140				

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9565	0.0425	0.8732	1.0000
Specificity	0.3750	0.1712	0.0395	0.7105
Positive Predictive Value	0.8148	0.0748	0.6683	0.9613
Negative Predictive Value	0.7500	0.2165	0.3257	1.0000

Sample Size = 31
Frequency Missing = 140

WARNING: 82% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Have private health insurance=No

Frequency	Table of smoker_ED by Smoke_current_GP		
	Smoke_current_GP(Being a current smoker)		
smoker_ED	No	Yes	Total
No	442	93	535
Yes, smoker	18	14	32
Total	460	107	567
Frequency Missing = 1923			

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9609	0.0090	0.9431	0.9786
Specificity	0.1308	0.0326	0.0669	0.1947
Positive Predictive Value	0.8262	0.0164	0.7941	0.8583
Negative Predictive Value	0.4375	0.0877	0.2656	0.6094

Sample Size = 567
Frequency Missing = 1923

WARNING: 77% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

The FREQ Procedure

Have private health insurance=Yes

Frequency	Table of smoker_ED by Smoke_current_GP		
	Smoke_current_GP(Being a current smoker)		
smoker_ED	No	Yes	Total
No	508	97	605
Yes, smoker	23	33	56
Total	531	130	661
Frequency Missing = 2315			

Statistics for Table of smoker_ED by Smoke_current_GP

Sensitivity and Specificity				
Statistic	Estimate	Standard Error	95% Confidence Limits	
Sensitivity	0.9567	0.0088	0.9394	0.9740
Specificity	0.2538	0.0382	0.1790	0.3287
Positive Predictive Value	0.8397	0.0149	0.8104	0.8689
Negative Predictive Value	0.5893	0.0657	0.4604	0.7181

Sample Size = 661
Frequency Missing = 2315

WARNING: 78% of the data are missing.

Health-related characteristics report of the highest 25% of ED visit patients

gp_smoker
757

Health-related characteristics report of the highest 25% of ED visit patients

ed_smoker
215

Health-related characteristics report of the highest 25% of ED visit patients

gped_smoker
922

Health-related characteristics report of the highest 25% of ED visit patients

The CONTENTS Procedure

Data Set Name	WORK.COHORT	Observations	922
Member Type	DATA	Variables	27
Engine	V9	Indexes	0
Created	21/02/2024 20:48:17	Observation Length	224
Last Modified	21/02/2024 20:48:17	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	YES
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	2
First Data Page	1
Max Obs per Page	584
Obs in First Data Page	558
Number of Data Set Repairs	0
Filename	/saswork/SAS_work5A680001DAF4_odaws02-apse1-2.oda.sas.com/SAS_workC01E0001DAF4_odaws02-apse1-2.oda.sas.com/cohort.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	546207
Access Permission	rw-r--r--
Owner Name	u62298616
File Size	384KB
File Size (bytes)	393216

Variables in Creation Order					
#	Variable	Type	Len	Format	Label
1	ID	Num	8		Unique patientID
2	GP_last	Num	8	DDMMYY10.	Date of most recent GP visit
3	healthcare_card	Num	8	YNF.	Have a health care card
4	drinks_day	Num	8		Number of alcohol drinks per day
5	height	Num	8		Body height (m)
6	weight	Num	8		Body weight (kg)
7	adverse_reaction	Num	8	YNF.	Had any reaction to aby medication
8	syst_bp	Num	8		Systolic blood pressure (mmHg)
9	diast_bp	Num	8		Diastolic blood pressure (mmHg)
10	reason	Char	16		Reason for the most recent GP visit
11	Smoke_current_GP	Num	8	YNF.	Being a current smoker
12	Risky_alcohol_GP	Num	8	YNF.	Have two or more alcohol drinks per day
13	BMI_GP	Num	8	YNF.	BMI score
14	Obese_GP	Num	8	YNF.	Being obese (BMI>=30)
15	HighBP_GP	Num	8	YNF.	Have high blood pressure (>=135/85mmHg)
16	Agegroup_GP	Num	8	AGEGROUP.	
17	ed_admission	Num	8	DDMMYY10.	Date of ED attendance
18	ed_separation	Num	8	DDMMYY10.	Date of ED separation
19	sex_ed	Num	8	SEXF.	Sex of patient
20	cob_ed	Num	8	COBF.	Country of birth
21	interpreter	Num	8	YNF.	Interpreter required
22	health_insurance	Num	8	YNF.	Have private health insurance
23	triage_category	Num	8	TRIAGEF.	Urgency of presentation
24	separation_mode	Num	8	SEPMODEF.	Status at separation from ED
25	smoker_ED	Num	8	SMOKER.	
26	risky_alcohol_ED	Num	8	DRINKER.	
27	obesity_ED	Num	8	OBESE.	

Sort Information	
Sortedby	ID
Validated	YES
Character Set	ASCII
Sort Option	NODUPKEY

Health-related characteristics report of the highest 25% of ED visit patients

Obs	ID	GP_last	healthcare_card	drinks_day	height	weight	adverse_reaction	syst_bp	diast_bp	reason	Smoke_current_GP	Risky_alcohol_GP	BMI_GP	Obese_GP	HighBP_GP	Agegroup_GP
1	15	01/07/2014	No	.	1.75	83.6	No	117	69	HEADACHE	Yes	.	27	No	No	Under 60 years old
2	16	16/02/2014	No	0	1.74	90.3	No	128	86	TINNITUS	Yes	No	30	No	Yes	Under 60 years old
3	18	05/03/2014	No	0	1.73	95.7	No	131	88	HEADACHE	Yes	No	32	Yes	Yes	Under 60 years old
4	23	13/05/2014	Yes	3	1.72	100.6	No	140	92	HEADACHE	Yes	Yes	34	Yes	Yes	Under 60 years old
5	32	18/02/2014	No	3	1.75	84.4	No	115	73	HEADACHE	Yes	Yes	28	No	No	Under 60 years old
6	33	03/08/2014	Yes	0	1.64	99.2	No	104	65	HEADACHE	No	No	37	Yes	No	60 years old and older
7	43	25/06/2014	No	1	1.81	120.6	No	112	66	HEADACHE	Yes	No	37	Yes	No	Under 60 years old