



TRANSFORM
GLOBAL HEALTH



UNHIN

TGH-EHR SAMPLE DECISION BOARD



New Fields Technologies

17,313

Total Patients Served

7,436

Unique Patients Served

1,996

Unique Patients Visits with Consultant

9,265

Appointments Booked

17,175

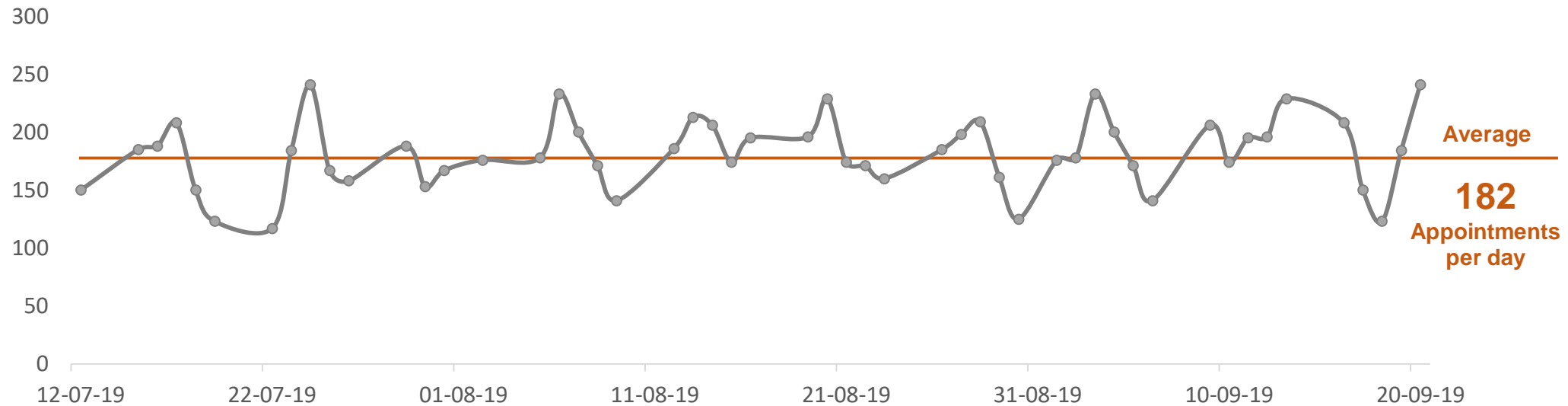
Prescriptions Pharmacists Dispensed

\$14.36M

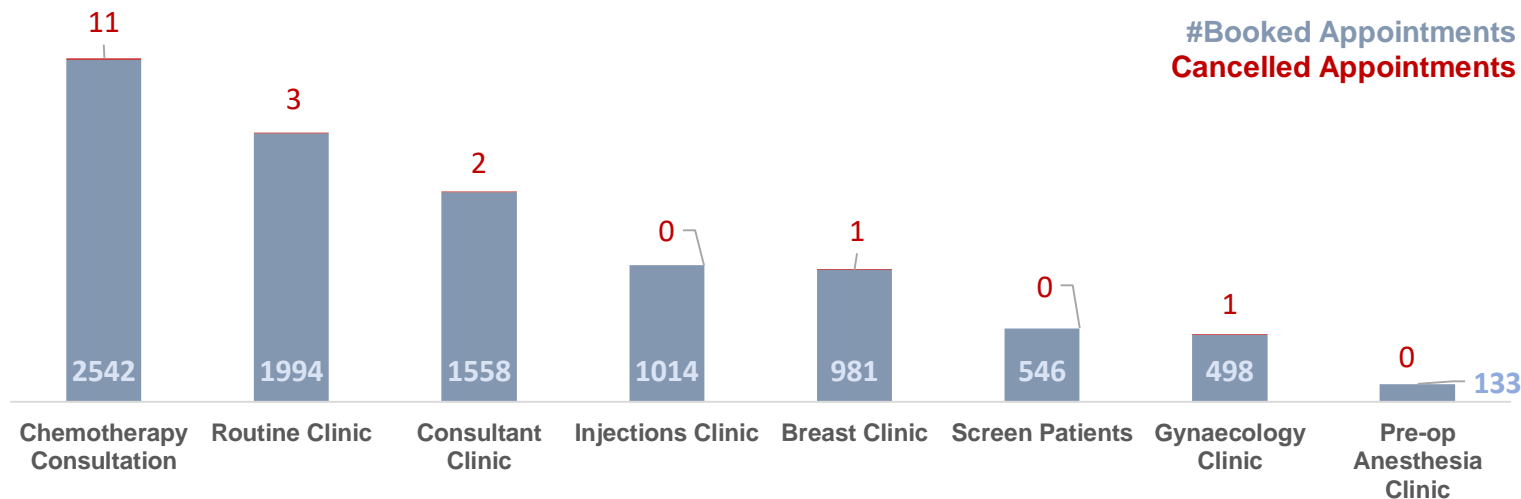
Cost

Appointment Day-wise Trend

Sample Data for Illustrative Purposes



#Appointments by Units



Pharma Stats

14,684

Total Pharma Patients Visits

5,440

Unique Pharma Patients Served

\$14.36M

Pharma Cost

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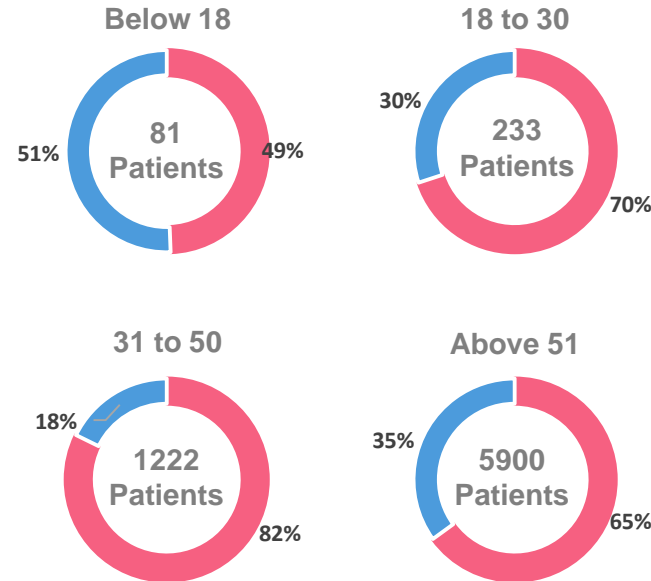
Cost

Gender & Age Distribution

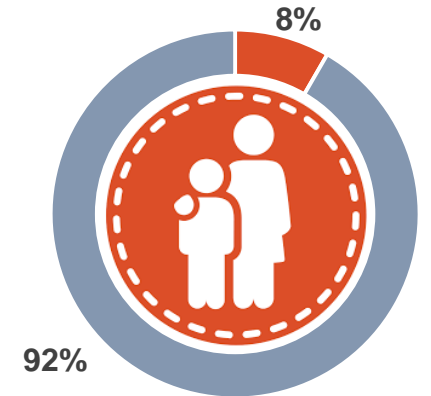
32%
Male



68%
Female



Next of Kin Stats



Patients with Next of Kin
Patients without Next of Kin

Bed Management

Total Beds Allocated: 59



TCU Male: 19



TCU Female: 40

Chemotherapy: 27

Gynae Surgery: 5

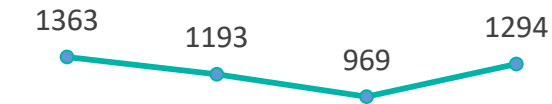
Radiation: 15

Breast Surgery: 4

Blood Transfusion: 8

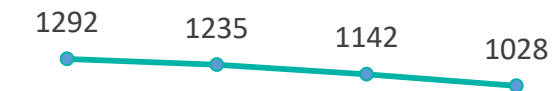
*Data available from
Sep 16, 2019

Patient Volume



Aug 29, 2019

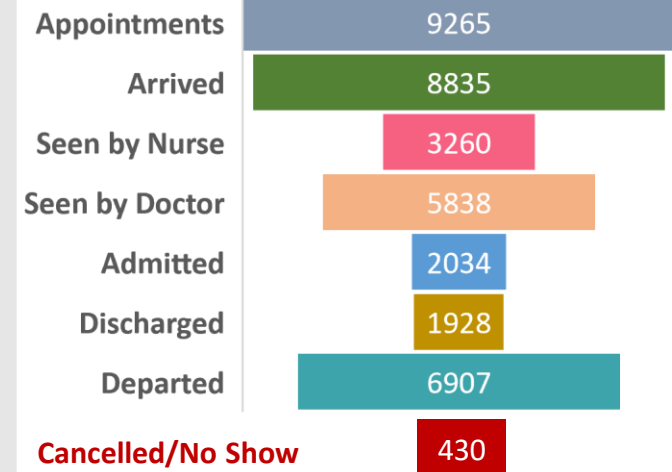
Week 1 2 3 4



Sep 20, 2019

5 6 7 Week 8

Patient Stage Funnel



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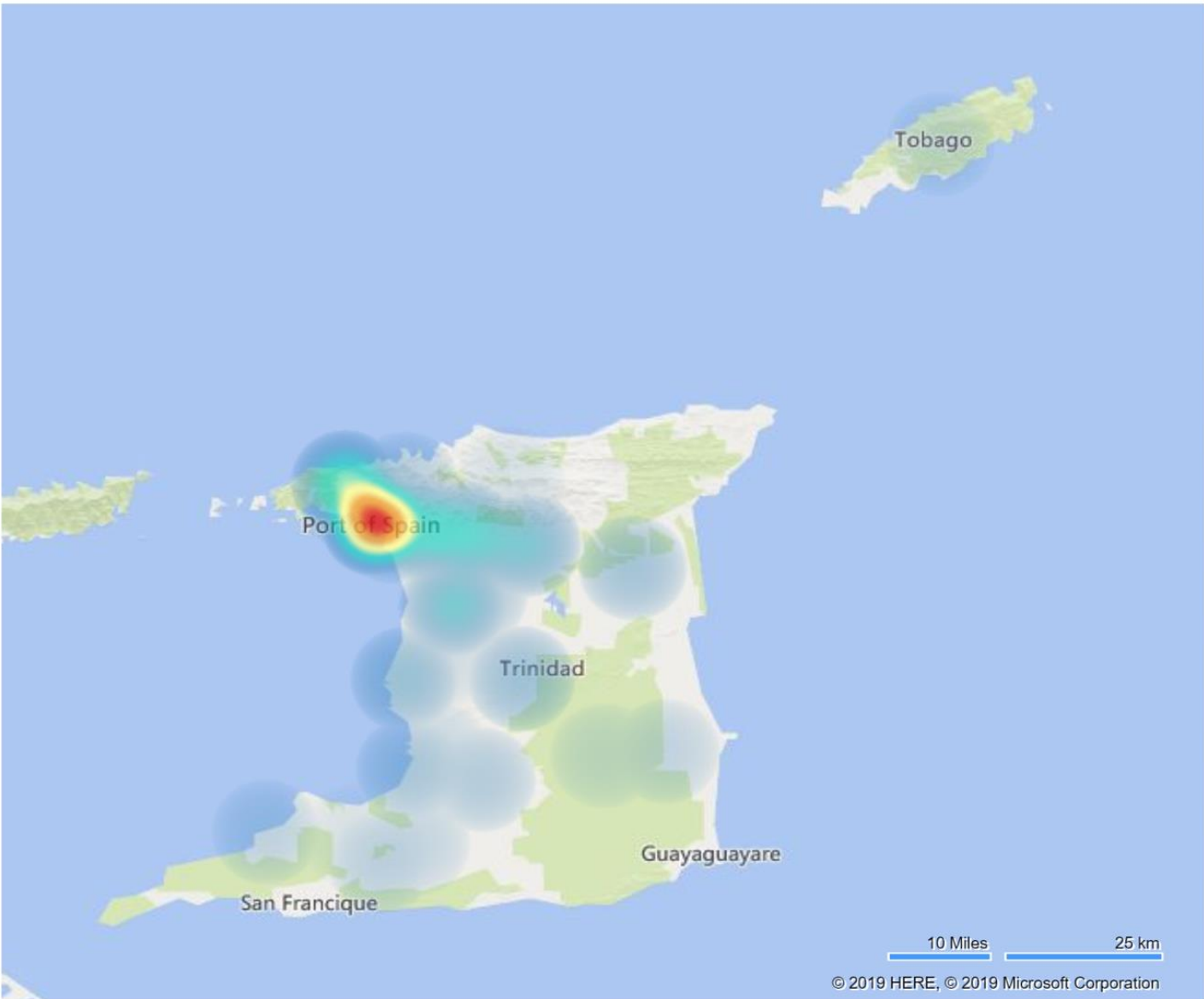
17,175

Prescriptions Pharmacists Dispensed

\$14.36M

Cost

Heat Map of Patients Served

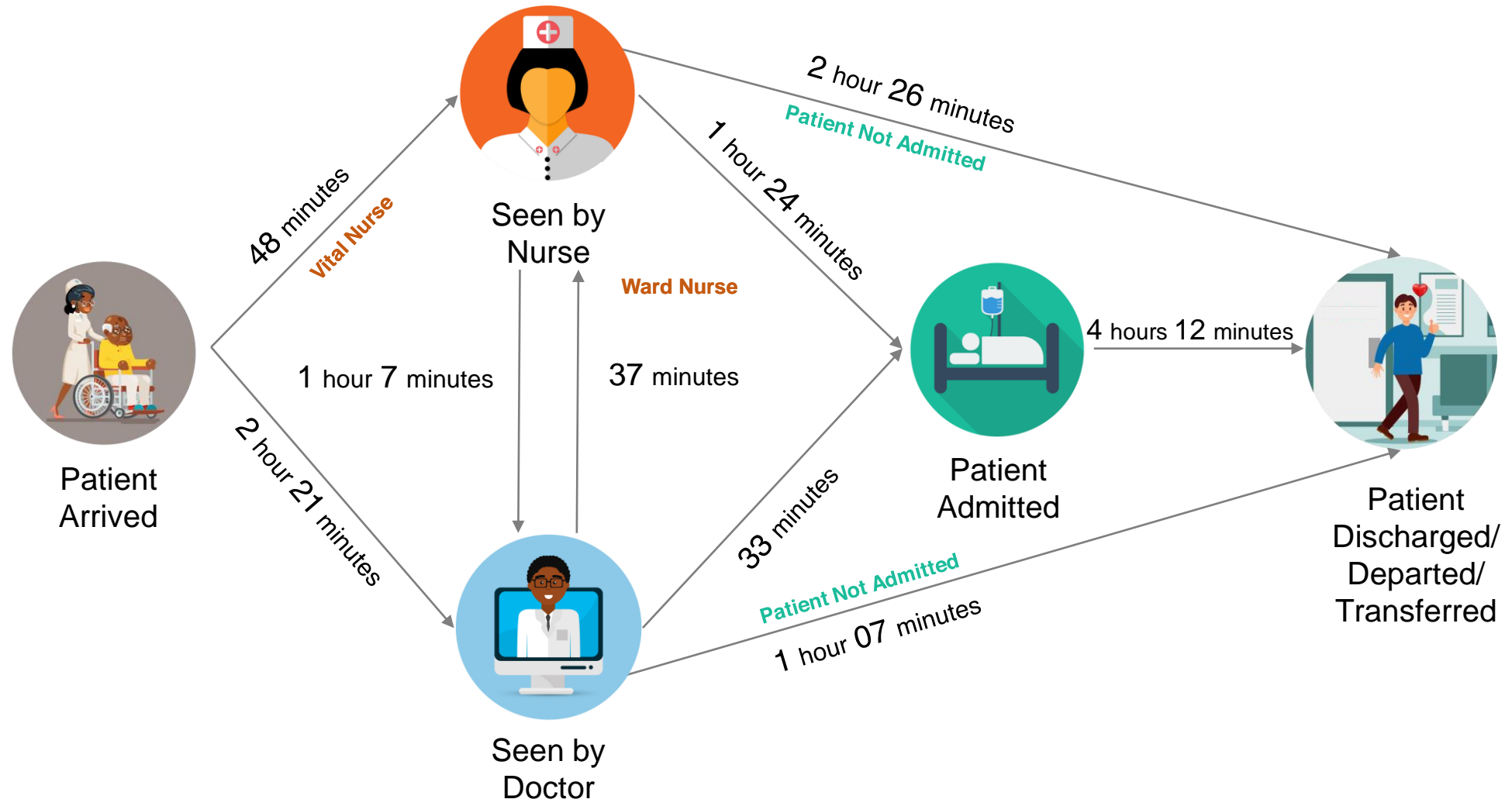


Sample Data for Illustrative Purposes

Area Name	#Patients
Port of Spain	2402
Diego Martin	890
Tunapuna	700
San Juan	625
Chaguanas	480
Arima	421
Couva	292
Petit Valley	225
Arouca	205
Sangre Grande	191
Barataria	158
San Fernando	155
Maraval	104
Cunupia	99
Maracas	94
Laventille	89
Siparia	83
Princes Town	80
Santa Cruz	44
Point Fortin	40
Penal	38
Valsayn	36
Mayaro	35
Rio Claro	23
Aranguez	21
Tobago	19

Sample Data for Illustrative Purposes

Patient Journey (Median Turn Around Time between stages)



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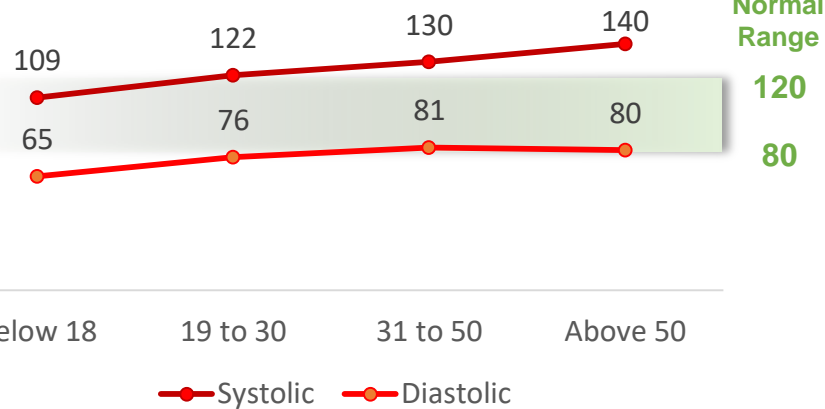
Cost

Nurse Vitals

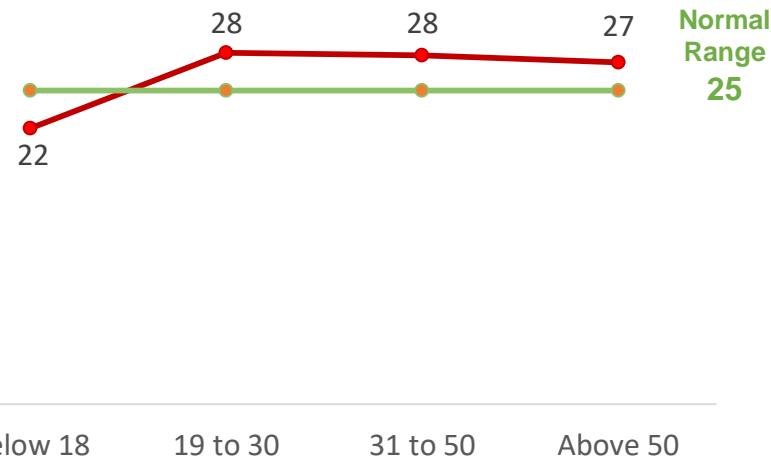
1,201 Patients

7,397 Vitals Filled

Blood Pressure (mmHg)

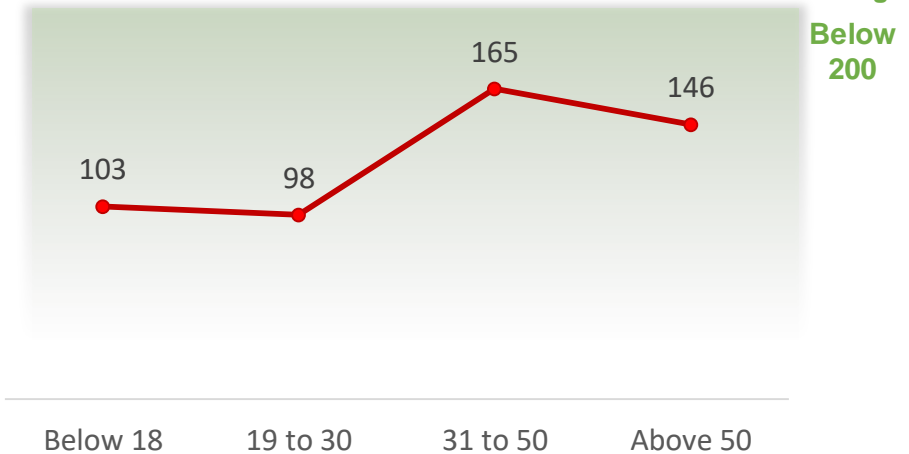


Body Mass Index (kg/m²)

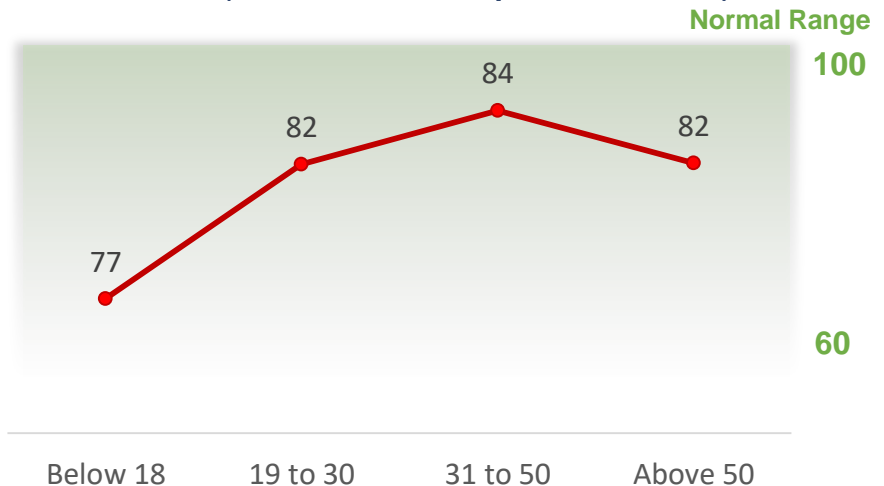


Sample Data for Illustrative Purposes

Random Blood Sugar (mg/dl)



Pulse (Heart beats per minute)



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Prescriptions Pharmacists
Dispensed

\$14.36M

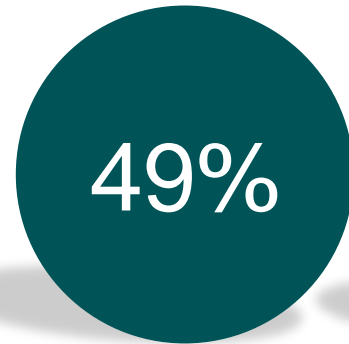
Cost

Progress Notes

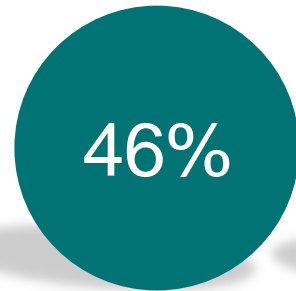
2400 Patients

4591 Forms Filled

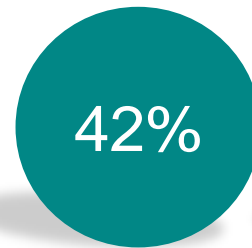
Treatment Type Mentions



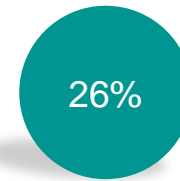
Chemotherapy



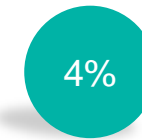
Surgery



Radiotherapy



Hormonal



Immunotherapy



Clinical Only



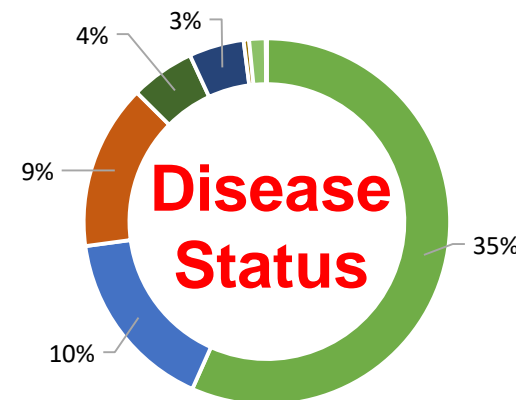
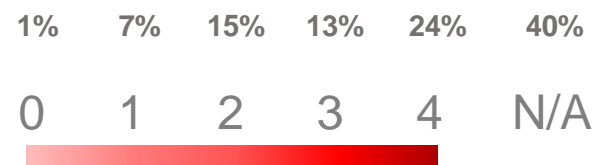
Others

Sample Data for Illustrative Purposes

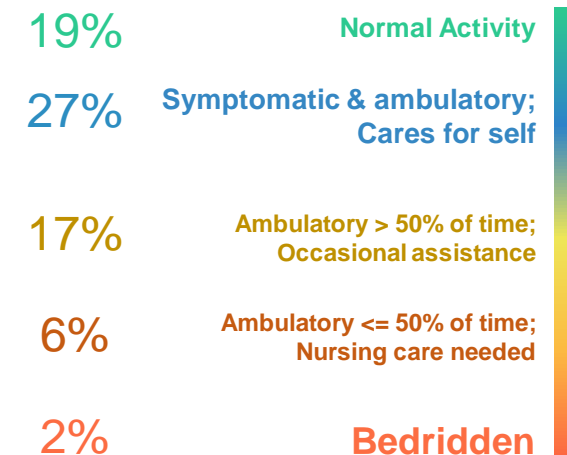
Treatment Intent

	#Patients	Cost (TT\$)
Palliative	25%	\$3.5M
Curative	45%	\$1.7M
Missing Data	30%	\$1.2M

Stage of Cancer



- Stable
- Recurrence
- Metastatic (stable)
- Residual Disease
- Biopsy Only
- Metastatic (progression)
- Local Progression

Performance Response
To Treatment


17,313

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17,175

Prescriptions Pharmacists Dispensed

\$14.36M

Cost

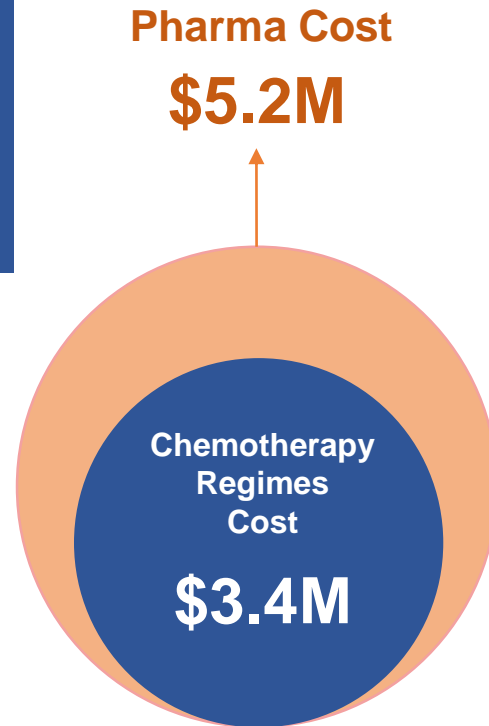
Chemotherapy Regimes

451 Patients

\$3.4M Total Chemo Regime Cost

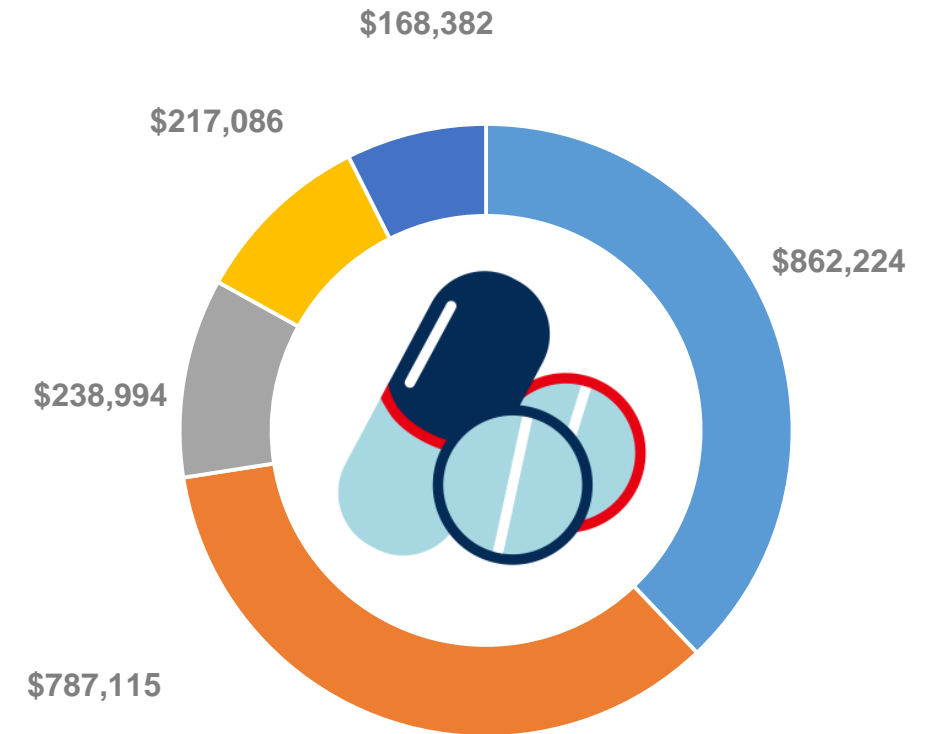
941 Regimes

TCU: 150 | PCS: 791



Period Covered: Jul 12, 2019 to Sep 20, 2019

Top 5 Chemo Medicines Dispensed = \$2.3M



- TRASTUZUMAB-440
- TRASTUZUMAB-600
- BEVACIZUMAB-400
- CETUXIMAB INJ SOLUTION FOR INFUSION-5
- BEVACIZUMAB-100

Sample Data for Illustrative Purposes

17,313

Total Patients Served

7,436

Unique Patients Served

1,996

Unique Patients Visits
with Consultant

9,265

Appointments Booked

17,175

Prescriptions Pharmacists
Dispensed

\$14.36M

Cost

Top 3 Dispensed Regimes by Cost

1. Herceptin (Single Agent)

47

Patients

\$1.6M

Total Cost
(TT\$)

155

Times
Filled

Pre-Med
Cost (TT\$)

\$0

Chemo
Cost (TT\$)

\$1.56M

Take Home
Cost (TT\$)

\$47K

2. DCT Docetaxel - Carboplatin

23

Patients

\$536K

Total Cost
(TT\$)

44

Times
Filled

Pre-Med
Cost (TT\$)

\$0

Chemo
Cost (TT\$)

\$526K

Take Home
Cost (TT\$)

\$10K

3. Herceptin

14

Patients

\$446K

Total Cost
(TT\$)

39

Times
Filled

Pre-Med
Cost (TT\$)

\$0

Chemo
Cost (TT\$)

\$410K

Take Home
Cost (TT\$)

\$36K

Top 3 Dispensed Regimes by #Patients

1. Paclitaxel/Carboplatin

80

Patients

\$149k

Total Cost
(TT\$)

189

Times
Filled

Pre-Med
Cost (TT\$)

\$6k

Chemo
Cost (TT\$)

\$80k

Take Home
Cost (TT\$)

\$63K

2. Herceptin (Single Agent)

47

Patients

\$1.6M

Total Cost
(TT\$)

155

Times
Filled

Pre-Med
Cost (TT\$)

\$0

Chemo
Cost (TT\$)

\$1.56M

Take Home
Cost (TT\$)

\$47K

3. Xelox

40

Patients

\$117K

Total Cost
(TT\$)

114

Times
Filled

Pre-Med
Cost (TT\$)

\$0

Chemo
Cost (TT\$)

\$64K

Take Home
Cost (TT\$)

\$53K

17,313

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7,436

Unique Patients Served

1,996

Unique Patients Visits
with Consultant

9,265

Appointments Booked

17,175

Prescriptions Pharmacists
Dispensed

\$14.36M

Cost

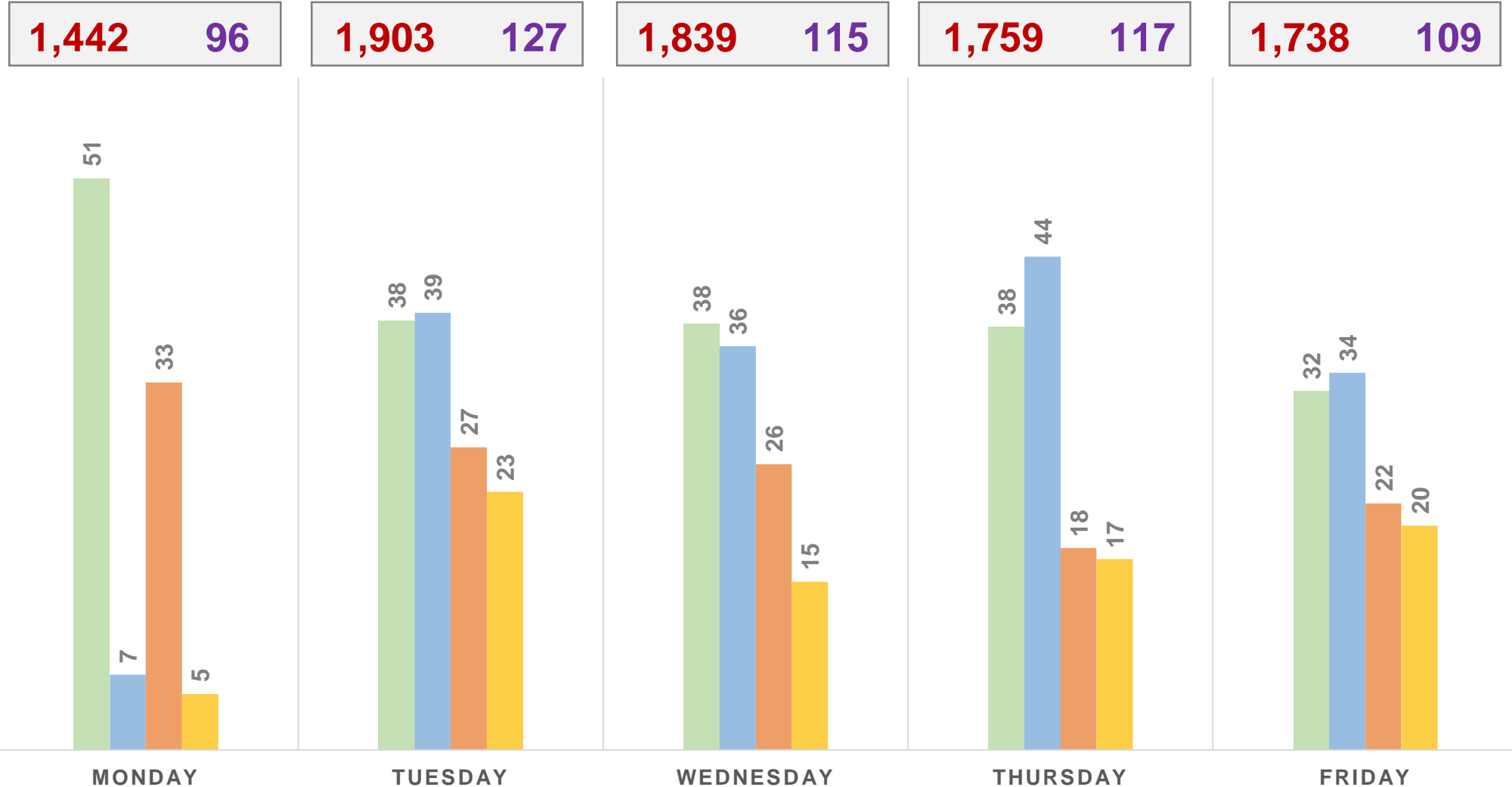
Sample Data for Illustrative Purposes

Average Daily Visits For Units

■ Chemo Consultation
 ■ Routine Clinic
 ■ Consultant Clinic
 ■ Injections Clinic

Total Appointments

Average Appointments



17,313

Total Patients Served

7,436

Unique Patients Served

1,996

Unique Patients Visits with Consultant

9,265

Appointments Booked

17,175

Prescriptions Pharmacists Dispensed

\$14.36M

Cost

Provider View			Routine Clinic	Consultant Clinic	Chemo Consultation	Injections Clinic	Others
			Sample Data for Illustrative Purposes				
Provider Name	Average Appointments Per Day	Total Patients Served	#Appointments by Units				
DIP-1	13	983	388	19	411	160	5
DIP-2	13	952	374	23	400	155	
DIP-3	13	825	338	21	334	132	
DIP-4	12	869	355	22	360	129	3
DIP-5	12	816	321	16	344	134	1
DIP-6	12	746	318	22	276	124	6
DIP-7	12	743	291	12	307	133	
DIP-8	12	524	226	8	206	84	



Pharma Decision Board

Date Range

01/05/2019

20/09/2019

Sample Data for Illustrative Purposes

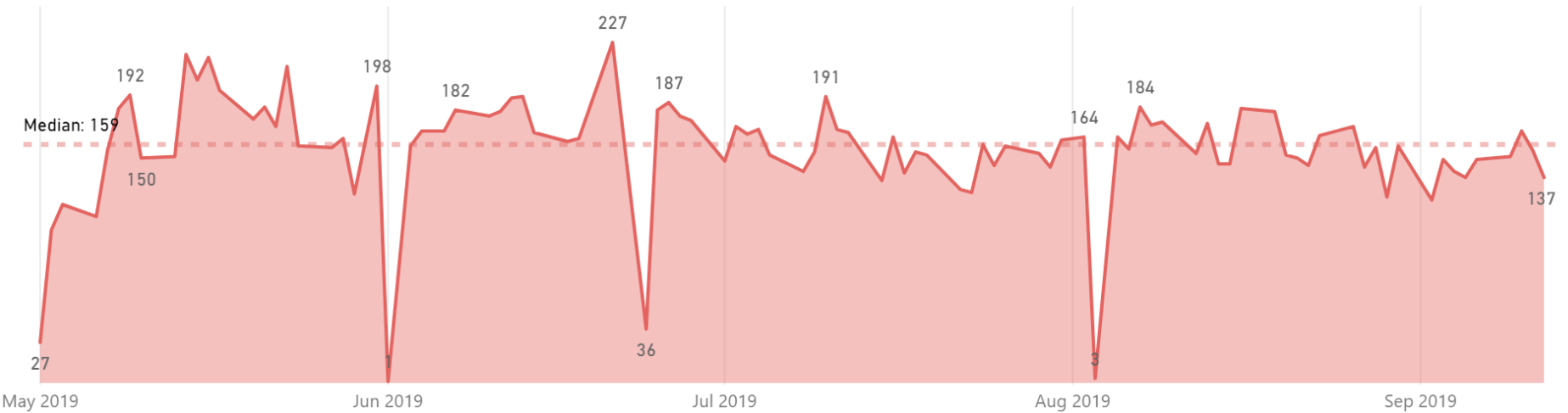
14.68K
Total Patients Served

5440
Unique Patients Served

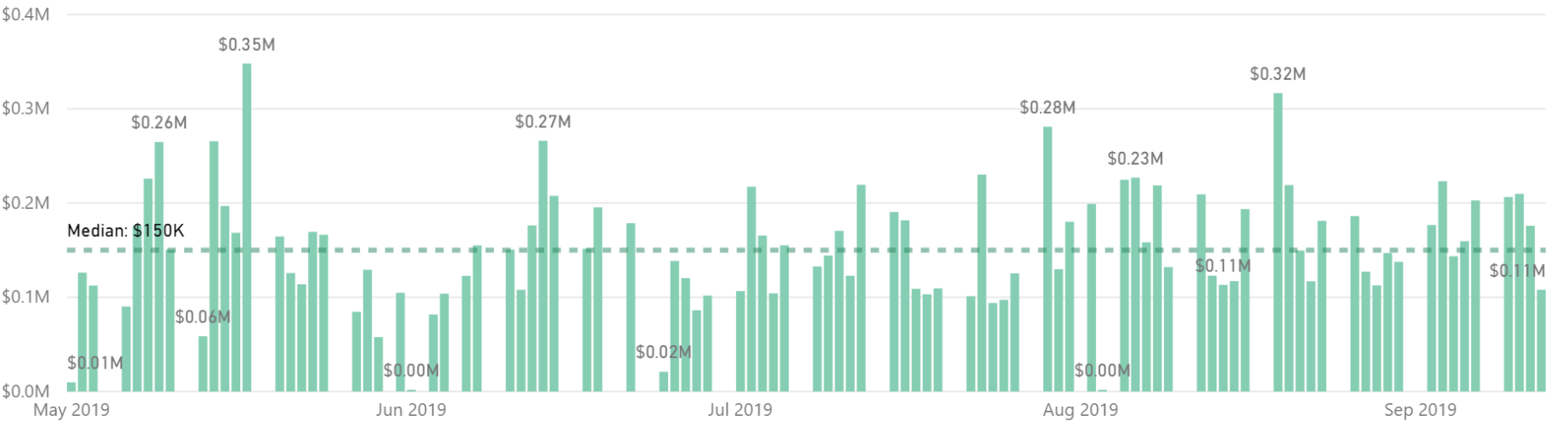
17,175
Prescription Dispensed

\$14.36M
Cost

Patients Served



Cost by Date





Pharma Decision Board

Date Range

01/05/2019

20/09/2019

Sample Data for Illustrative Purposes

14.68K

Total Patients Served

5440

Unique Patients Served

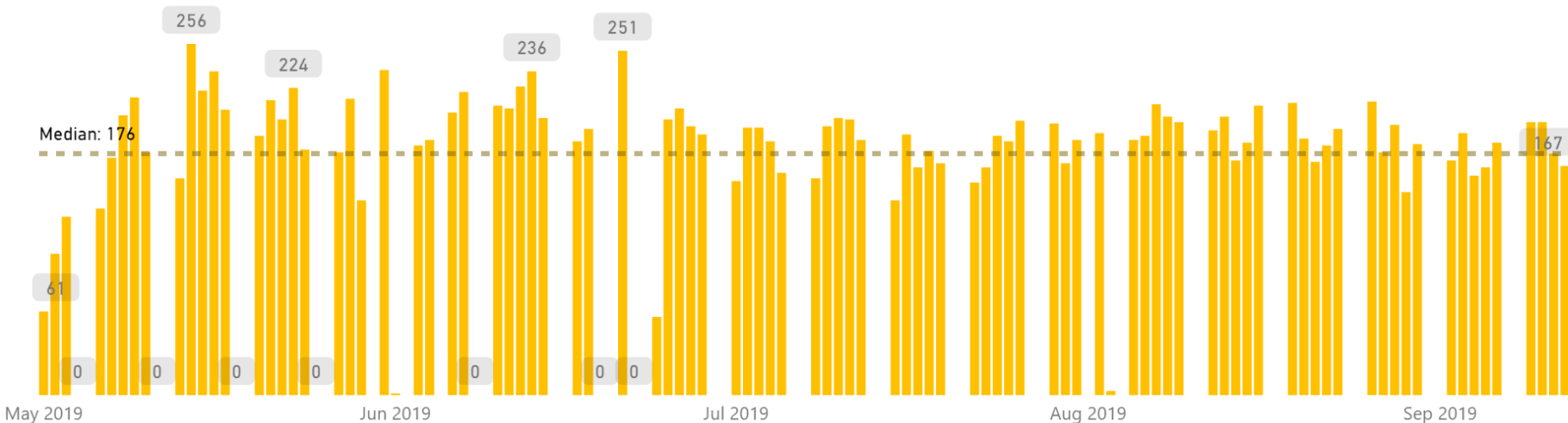
17,175

Prescription Dispensed

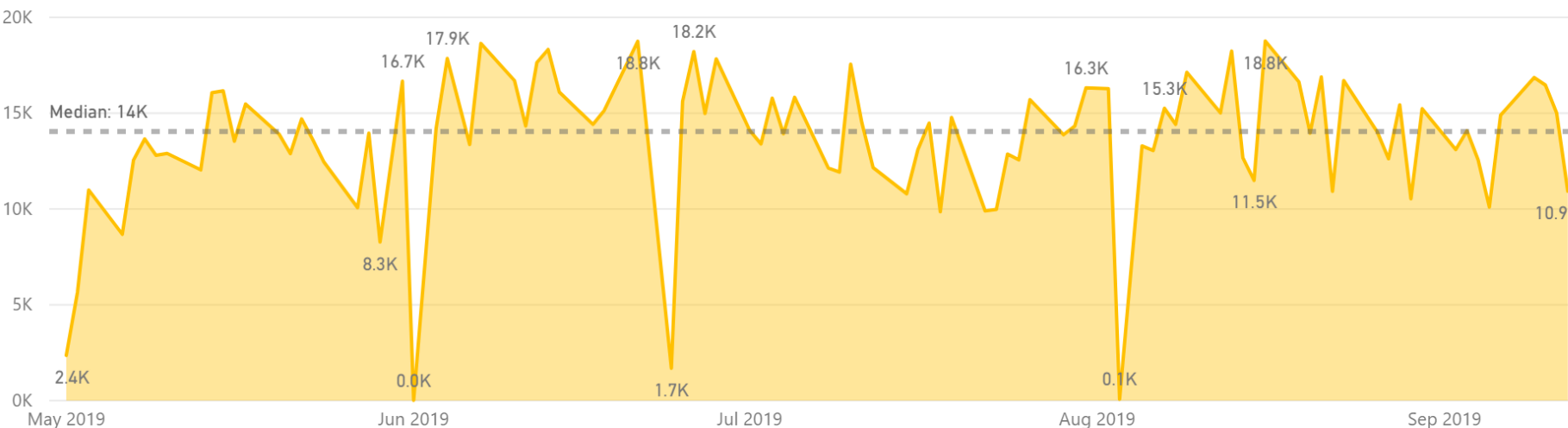
\$14.36M

Cost

Prescriptions Dispensed



Medicines Dispensed



Sample Data for Illustrative Purposes

14.68K

Total Patients Served

5440

Unique Patients Served

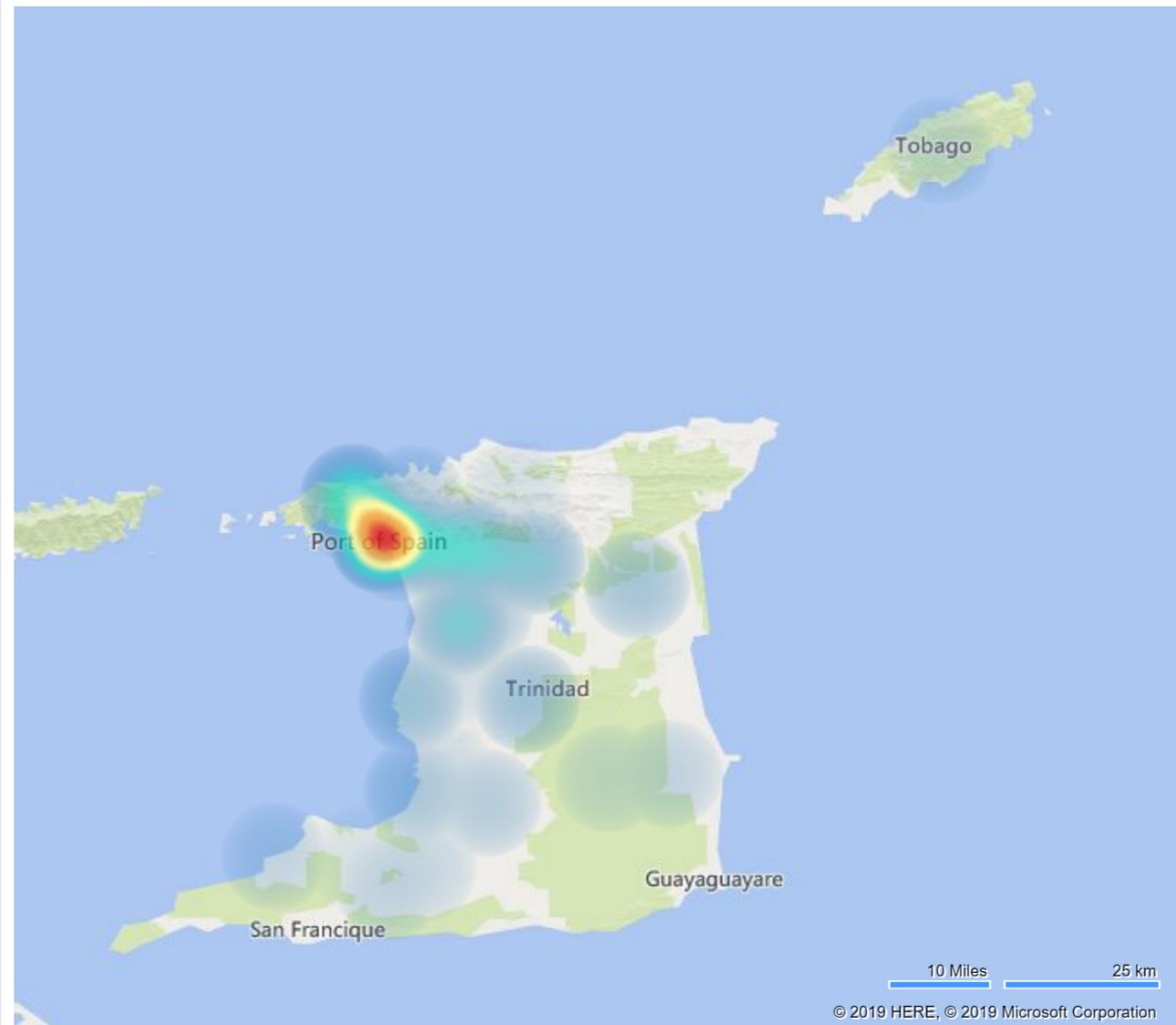
17,175

Prescription Dispensed

\$14.36M

Cost

Heat Map of Patients Served



Area Name	#Patients
Port of Spain	2199
Diego Martin	722
San Juan	419
Tunapuna	406
Chaguanas	306
Arima	253
Petit Valley	170
Couva	149
Arouca	132
Barataria	116
Sangre Grande	83
Maraval	63
San Fernando	58
Others	57
Maracas	48
Laventille	47
Cunupia	45
Princes Town	34
Santa Cruz	22
Valsayn	19
Siparia	17
Mayaro	16
Aranguez	13
Point Fortin	13
Penal	9
Tobago	7

Sample Data for Illustrative Purposes

14.68K

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Prescription Dispensed

\$14.36M

Cost

Gender Split

30% 70%



Patient Served & Cost

INTERNAL

80% 97%
4340 \$13.86M

EXTERNAL

20% 3%
1100 \$0.49M

Cost By Patient (Top 5)

8% of Total Cost

Patient Type

- ☐ Internal
☐ External

Medicine

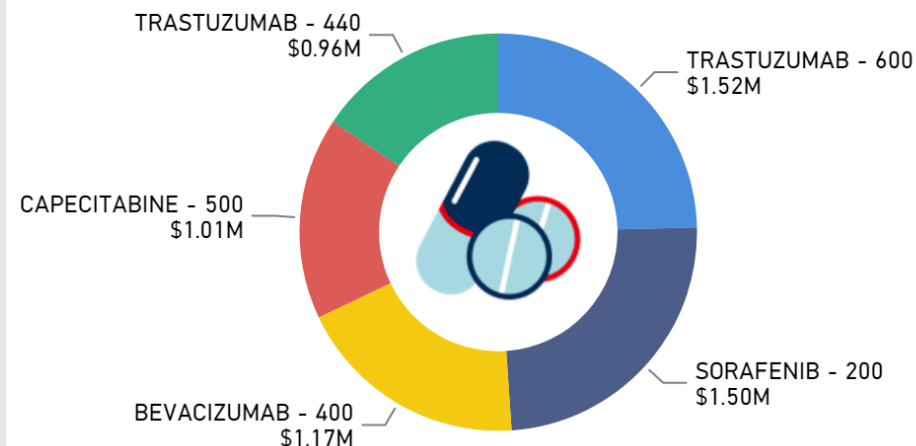
All

Gender

- ☐ Female
☐ Male

Patient	Age	#Units Dispensed	Cost (TT\$)
DIP-2227	84	600	\$267,219.48
DIP-1908	66	786	\$253,288.24
DIP-2829	51	901	\$213,441.66
DIP-2694	55	660	\$211,355.72
DIP-2710	78	691	\$198,467.49

Cost By Medicine (Top 5 Dispensed)



Top 5 dispensed medicines
43% of Total Cost

295 (5.5%) of patients served have received
Top 5 medicines

Male : 93 (32%)
Female : 202 (68%)

14.68K

Total Patients Served

5440

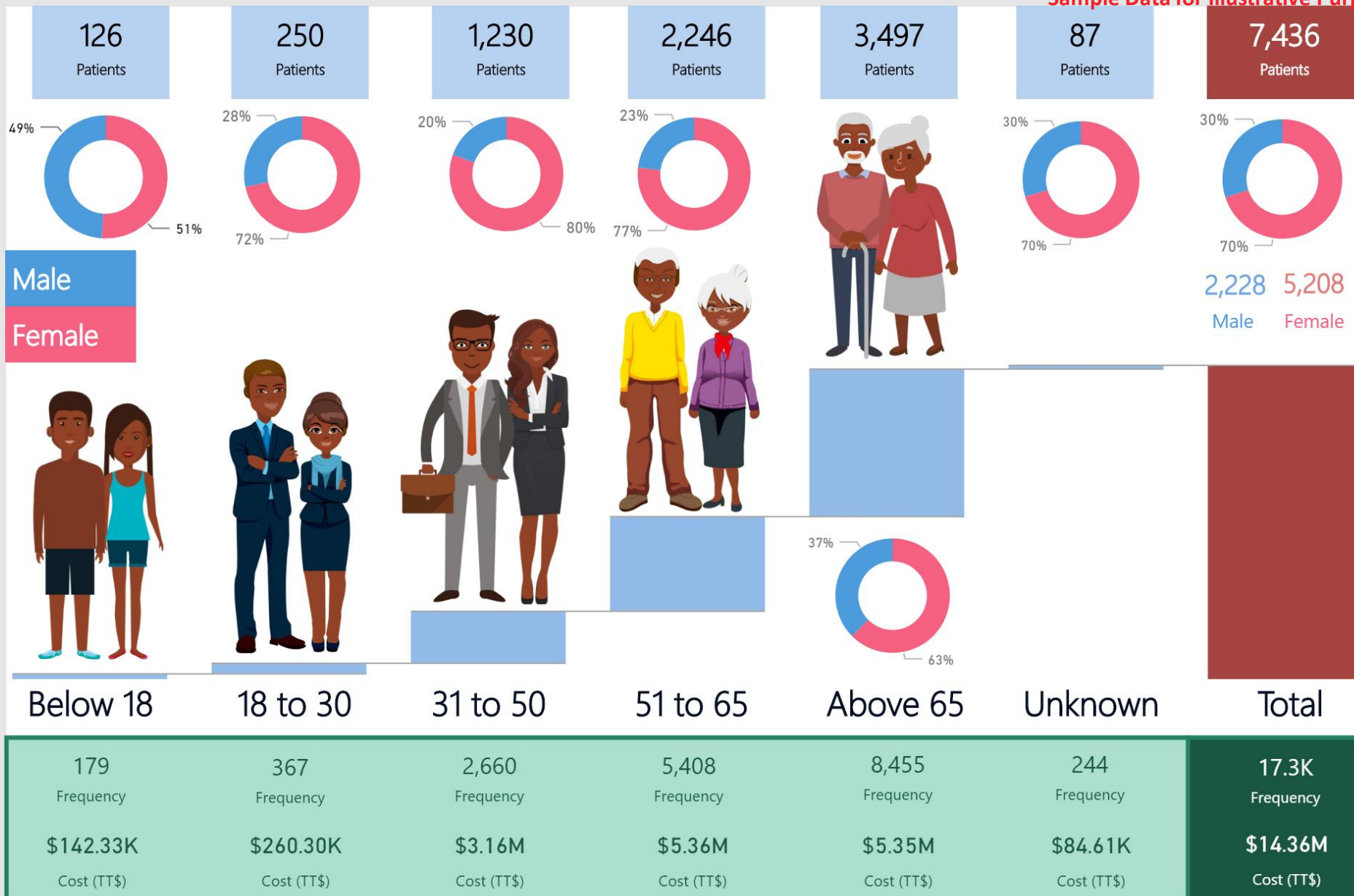
Unique Patients Served

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14.68K

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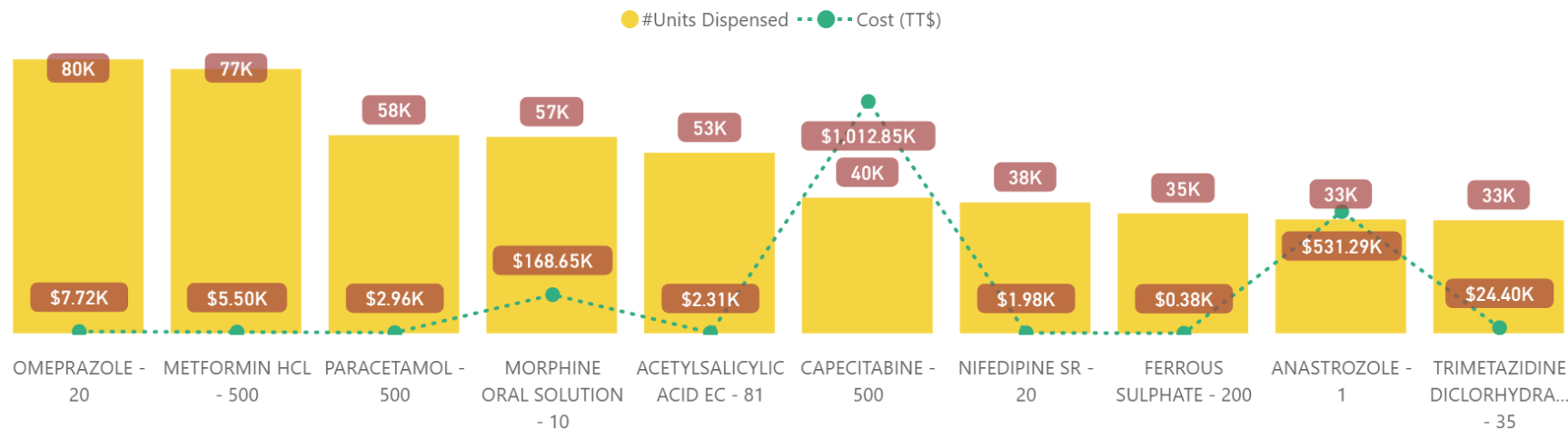
17,175

Prescription Dispensed

\$14.36M

Cost

Most Frequently Dispensed Medicines (Top 10)



The cost of Top 10 most frequently dispensed medicines is **13%** of Total Cost

3,424 (63%) Male : 911 (27%)
Female : 2,513 (73%)
of patients served have received Top 10 most frequently dispensed medicines

Sample Data for Illustrative Purposes

Warehouse

- ☐ Select all
- ☐ Chemotherapy
- ☐ Mainsite
- ☐ Outpatient

Expiry Date

31/05/2019 31/08/2019



2110

#Units

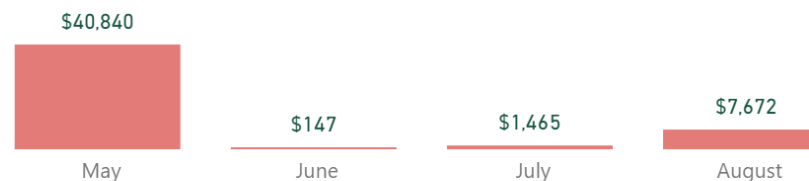
\$50.12K

Cost

List of Expired Medicines (May-Aug 2019)

Medicine Name	Batch Name	Catalog Number	Warehouse	#Units	Amount (TT\$)	Expiry Date
BENZTROPINE MESYLAT.-1	BN00029	90006386	Mainsite	55	\$36,215.30	31 May, 2019
CEFUROXIME AXETIL-250	BN00051	90000968	Mainsite	1320	\$2,250.60	31 May, 2019
CEFUROXIME AXETIL-250	BN00051	90000968	Outpatient	108	\$183.80	31 May, 2019
TRIAMCINOLONE ACETONIDE SPR-55	BN00241	90002094	Mainsite	47	\$1,596.33	31 May, 2019
TRIAMCINOLONE ACETONIDE SPR-55	BN00241	90002094	Outpatient	18	\$593.98	31 May, 2019
DOXORUBICIN-10	88NN001	90001140	Chemotherapy	4	\$128.99	30 June, 2019
NORFLOXACIN-400	G602932	90006420	Outpatient	69	\$18.30	30 June, 2019
ADRENALIN/EPINEPHRINE-1	06430717A	90001634	Mainsite	220	\$822.80	31 July, 2019
ADRENALIN/EPINEPHRINE-1	BN00005	90001634	Outpatient	172	\$641.78	31 July, 2019
AMOXYCILLIN/CLAVULANIC SUSP-228	BN00019	90000925	Outpatient	4	\$42.88	31 August, 2019
MEDROXYPROGESTERONE-150	L82956	90000557	Outpatient	19	\$1,188.33	31 August, 2019
METHYLPRED. SODI SUCC-1	EP1617002	90000570	Outpatient	1	\$119.12	31 August, 2019
SALMETEROL/FLUTICASONE-25	BN00218	90020040	Mainsite	22	\$3,928.14	31 August, 2019
VINBLASTINE-10	1904006	90001134	Mainsite	22	\$1,040.60	31 August, 2019
VINBLASTINE-10	BN00247	90001134	Chemotherapy	7	\$312.18	31 August, 2019
VINBLASTINE-10	BN00247	90001134	Mainsite	22	\$1,040.60	31 August, 2019

Amount of Expired Medicines by Month (TT\$)





Pharma Decision Board

Period Covered: May 1, 2019 to Sep 20, 2019

Sample Data for Illustrative Purposes

Warehouse

- ☐ Select all
- ☐ Chemotherapy
- ☐ Mainsite
- ☐ Outpatient

Expiry Date

30/09/2019 30/11/2019



23.73K

#Units

\$71.52K

Cost

List of Expiring Medicines (Next 3 Months)

Medicine Name	Batch Name	Catalog Number	Warehouse	#Units Till Date	#Units 4 Weeks Back	#Units Aug 1	Amount (TT\$)	Expiry Date
GALANTAMINE FILM COATED-16	BN00115	90001815	Mainsite	1140	1316	2093	\$564.10	30 September, 2019
GALANTAMINE FILM COATED-16	BN00115	90001815	Outpatient	524	252	26	\$259.18	30 September, 2019
GALANTAMINE FILM COATED-8	BN00114	90001818	Mainsite	680	898	898	\$336.50	30 September, 2019
GALANTAMINE FILM COATED-8	BN00114	90001818	Outpatient	244		84	\$120.88	30 September, 2019
METHYLPREDNISOLONE ACETATE-40	BN00172	90000568	Outpatient	4		4	\$633.75	30 September, 2019
SALMETEROL/FLUTICASONE-25	BN00218	90020040	Outpatient	1	6	10	\$196.41	1 October, 2019
CYCLOPHOSPHAMIDE-200	BN00070	90001099	Chemotherapy	176	109	123	\$4,598.00	31 October, 2019
CYCLOPHOSPHAMIDE-200	BN00070	90001099	Mainsite	66	280	300	\$1,724.25	31 October, 2019
ERTAPENEN-1	BN00096	90001107	Outpatient	14			\$3,870.68	31 October, 2019
ERTAPENEN-1	R006618	90001107	Outpatient	28	28	28	\$7,443.62	31 October, 2019
METOCLOPRAMIDE-10	A17365	90001546	Mainsite	9856	13440	15680	\$3,545.20	31 October, 2019
METOCLOPRAMIDE-10	A17365	90001546	Outpatient	484	594	504	\$174.09	31 October, 2019
MIDAZOLAM-15	BN00176	90000458	Mainsite	1155	1200	1200	\$1,295.91	31 October, 2019
MIDAZOLAM-15	BN00176	90000458	Outpatient	161	73	169	\$180.19	31 October, 2019
MIDAZOLAM-15	RJ0449	90000458	Outpatient	3	3	3	\$3.70	31 October, 2019
Pemetrexed-500	411117003	90008642	Chemotherapy	6			\$12,100.00	31 October, 2019
Pemetrexed-500	411117003	90008642	Mainsite	6			\$12,100.00	31 October, 2019
AMITRIPTYLINE HCL-25	A17443	90000173	Outpatient	1304			\$229.42	30 November, 2019
AMITRIPTYLINE HCL-25	A17445	90000173	Mainsite	3080			\$542.08	30 November, 2019
AMITRIPTYLINE HCL-25	A17445	90000173	Outpatient	3080			\$542.08	30 November, 2019
BLEOMYCIN SULPHATE-15	BN00035	90001137	Chemotherapy	8			\$2,540.15	30 November, 2019
CEFTAZIDIME-1	6707	90000960	Mainsite	55			\$1,084.16	30 November, 2019
CEFTAZIDIME-1	BN00049	90000960	Mainsite	44			\$867.33	30 November, 2019

Sample Data for Illustrative Purposes

Medicine Name



- ☐ Select all
- ☐ ABACAVIR - 300
- ☐ ABACAVIR SUSP - 20
- ☐ ACETAZOLAMIDE - 250
- ☐ ACETYLCYSTEINE - 200
- ☐ ACETYLSALICYLIC ACID EC - 81
- ☐ ACETYLSALICYLIC ACID NON-S...
- ☐ ACRIFLAVINE BPC - 500
- ☐ ACYCLOVIR - 200
- ☐ ACYCLOVIR - 250
- ☐ ACYCLOVIR CREAM - 5
- ☐ ACYCLOVIR SUSP - 200
- ☐ ADALIMUMAB - 40

249.07K

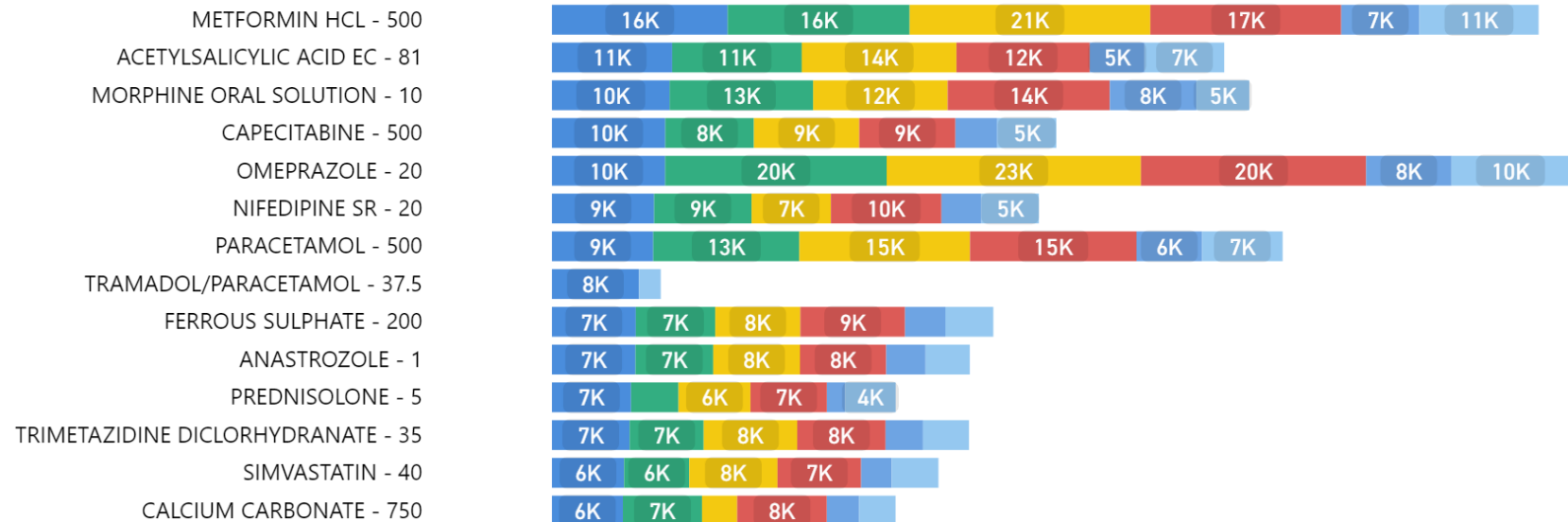
Requisition Stock To Buy

\$9.83M

Total Value of
Requisition Stock

Month on Month Drug Utilisation

Units Dispensed in May Units Dispensed in Jun Units Dispensed in Jul Units Dispensed in Aug Units Dispensed in Sep Forecast For Remaining Month



Medicine Name	Current Stock	Estimated Demand For The Month	Estimated Stock In Surplus/(Required)	Total Buffer Stock (Based on 30-days)	Requisition Stock To Buy/(Surplus)	Total Value of Requisition Stock (TT\$)
SORAFENIB - 200	1156	765	391.00	3672	3281	\$1,389,668.00
BEVACIZUMAB - 400	12	39	-27.00	84	111	\$1,201,178.00
TRASTUZUMAB - 600	64	56	8.75	99	91	\$972,629.00
SUNITINIB - 50	0	66	-65.50	605	671	\$785,818.00
CETUXIMAB INJ SOLUTION FOR INFUSION - 5	39	24	15.75	279	264	\$751,948.00
TRASTUZUMAB - 440	58	40	18.00	74	56	\$678,196.00
INFLIXIMAB - 100	24	10	14.25	168	153	\$636,500.00
OCTREOTIDE - 20	21	9	12.75	42	29	\$384,989.00