



International Occupational Heat Stress May 9-10, 2023





Monitoring cases of heat stress over the years

Qatar Red Crescent Society – Medical Affairs
Division
Workers Health Centers





I have no conflict of interest to be disclosed





Objectives

- Introduction: who is QRCS Medical Affairs Division
- Workers Health Centers and its Services
- Heat Stress Cases Visited QRCS WHCS 2019-2022
- Heat Stress Categories
- Heat Stress Severity
- The reduction in Heat Related cases
- Health Education





Introduction

- **The QRCS Medical Affairs Division Health Centers started in Dec 2010.**
- **There have been significant development and improvement in both of our facilities and services.**
- **QRC Medical Affairs Division has been tasked to build and operate various health facilities that would provide high quality health services to the community and Single Male expat workers across the State of Qatar.**





Vision

Pioneers in primary care and a foundational pillar of the health system.





Mission

To provide highly standardized primary care and ambulance services, and to lead training and education in community for better health and safety.



Values



- **Integrity is the basis of our dealings**
- **Patients' trust is an asset**
- **Serving our patients with dedication and generosity**
- **Doing our work professionally**
- **Working in a team spirit**
- **Our staff is our asset**





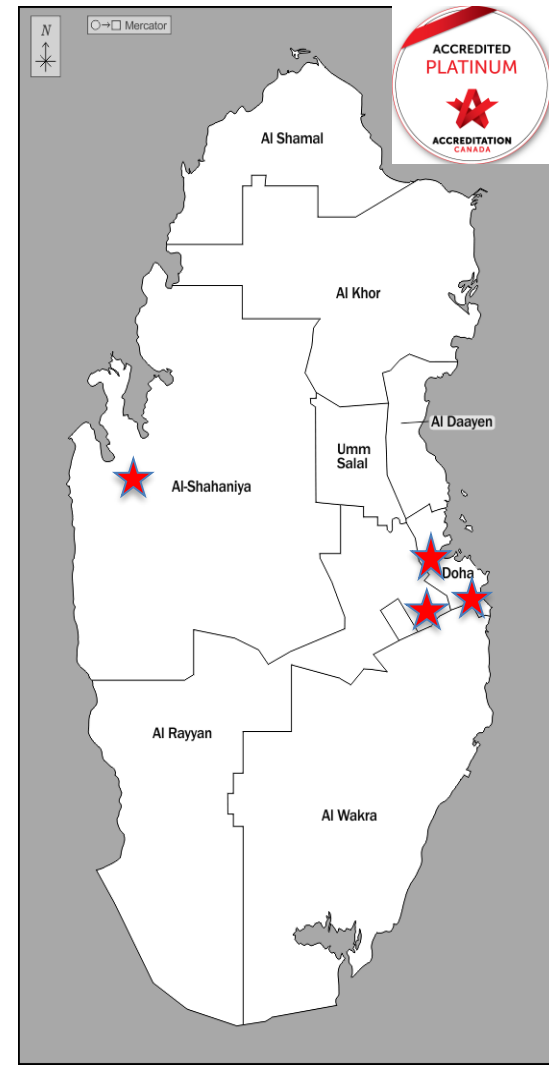
QRCS Workers Health Centers

QRCS WHCs



4 Workers Health Centers

- Al Hemaila 40000 visit / month
- Mesaimeer 32000 visit / month
- Fereej AA 20000 visit / month
- Zikreet 4000 visit / month



Al Hemaila WHC



Mesaimeer WHC



Fereej AA WHC



Zikreet WHC



Capacity



206 physicians,
Dentists,
pharmacists



222 Nurse



122 Allied
Health (X-Ray, Lab,
Dental, Physiotherapy,
Pharmacy, Audiology
Tech.)



Services



GP Clinics



Pulmonology



ENT



Ophthalmology



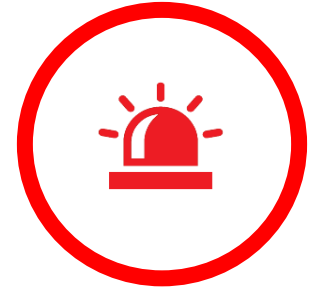
Cardiology



Dermatology



Dental



Urgent Care



Services



Physiotherapy



Laboratory



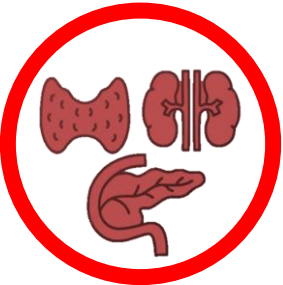
X ray/Ultrasound



Pharmacy



Minor Surgery



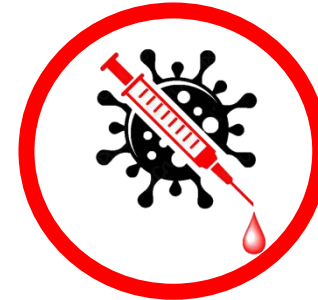
Endocrinology



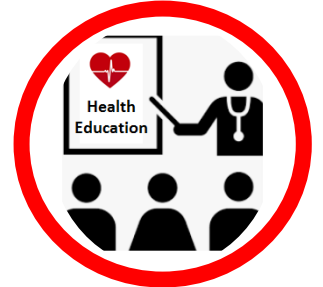
Nephrology



Orthopedic



Vaccination Unit



Health Education



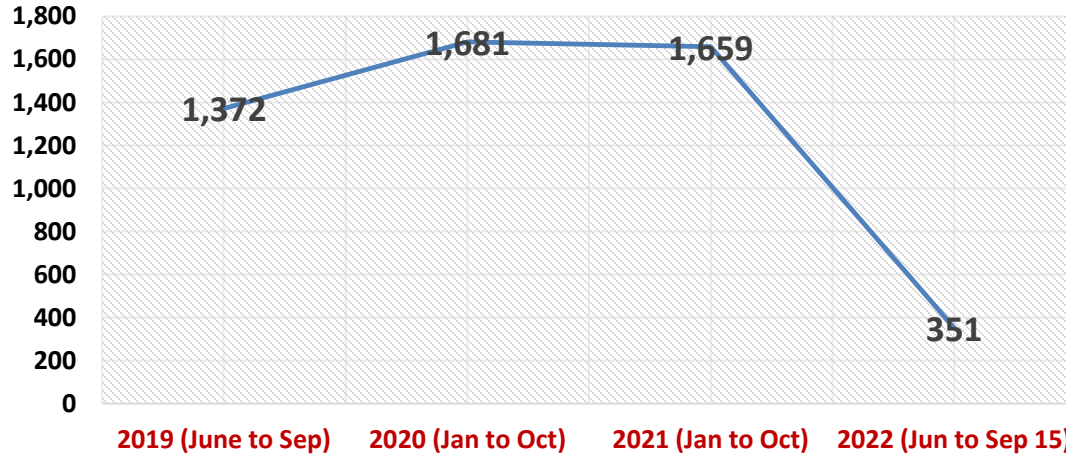


Heat Stress Cases Visited QRCS WHCs 2019-2022

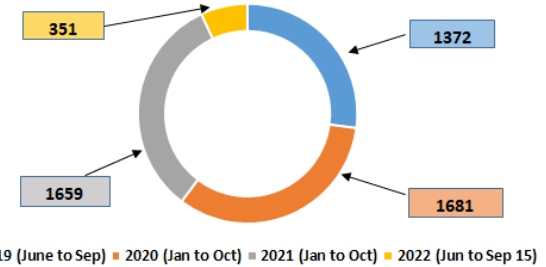


2019 (June to Sep)	2020 (Jan to Oct)	2021 (Jan to Oct)	2022 (Jun to Sep 15)
1,372	1,681	1,659	351

Heat Stress Cases



Heat Stress Cases





Heat Related Disorders Statistics

2019



Heat Related Disorders Statistics (All Centers)

ICD - 10 diagnosis	Heat Related Disorders 2019																Total
	June				July				August				September				
	Hemaila Center	Mesaimeer Center	Fereej AA Center	Zikreet Center	Hemaila Center	Mesaimeer Center	Fereej AA Center	Zikreet Center	Hemaila Center	Mesaimeer Center	Fereej AA Center	Zikreet Center	Hemaila Center	Mesaimeer Center	Fereej AA Center	Zikreet Center	
Heat cramp, initial encounter	29	6	6	1	26	3	17	0	104	52	15	2	95	53	10	0	419
Heat cramp, sequela	0	0	1	0	0	0	0	0	0	2	0	0	1	1	0	0	5
Heat cramp, subsequent encounter	7	0	4	0	0	0	0	0	0	3	0	0	0	0	4	0	18
Heat edema, initial encounter	0	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	4
Heat exhaustion due to salt depletion, initial encounter	1	0	0	0	0	9	0	0	0	18	0	2	0	5	0	1	36
Heat exhaustion, anhydrotic, initial encounter	28	10	3	0	27	36	11	0	52	43	3	8	29	42	3	1	296
Heat exhaustion, unspecified, initial encounter	18	8	1	1	49	24	8	31	39	47	23	25	22	46	22	24	388
Heat exhaustion, unspecified, sequela	1	0	1	0	1	0	1	2	3	1	0	0	0	0	1	0	11
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	1	0	0	0	2	0	0	0	3	0	0	6
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Heat fatigue, transient, initial encounter	10	0	4	1	9	2	0	6	5	52	3	0	1	11	26	1	131
Heat fatigue, transient, sequela	1	0	0	0	0	0	0	1	1	0	0	2	6	0	0	3	14
Heat fatigue, transient, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Heat syncope, initial encounter	1	0	4	0	2	0	3	1	0	5	7	0	0	3	1	0	27
Heat syncope, sequela	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Heatstroke and sunstroke, initial encounter	0	0	0	0	5	0	0	0	3	0	0	0	4	1	0	0	13

Total: 1,372



Heat Related Disorders Statistics (All Centers)

ICD - 10 diagnosis	Heat Related Disorders 2019																Total
	June				July				August				September				
	Hemaila Center	Mesaimeer Center	Fereej AA Center	Zikreet Center	Hemaila Center	Mesaimeer Center	Fereej AA Center	Zikreet Center	Hemaila Center	Mesaimeer Center	Fereej AA Center	Zikreet Center	Hemaila Center	Mesaimeer Center	Fereej AA Center	Zikreet Center	
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Heat cramp, subsequent encounter	7	0	4	0	0	0	0	0	0	3	0	0	0	0	4	0	18
Heat edema, initial encounter	0	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	4
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Heat syncope, sequela	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Heatstroke and sunstroke, initial encounter	0	0	0	0	5	0	0	0	3	0	0	0	4	1	0	0	13

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Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
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Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	1	0	0	0	2	0	0	0	3	0	0	6
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Heat fatigue, transient, initial encounter	10	0	4	1	9	2	0	6	5	52	3	0	1	11	26	1	151
Heat fatigue, transient, sequela	1	0	0	0	0	0	0	1	1	0	0	2	6	0	0	3	14
Heat fatigue, transient, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
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Heat cramp, subsequent encounter	7	0	4	0	0	0	0	0	0	3	0	0	0	0	4	0	18
Heat edema, initial encounter	0	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	4
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Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	1	0	0	0	2	0	0	0	3	0	0	6
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Heat syncope, sequela	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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Heat cramp, sequela	0	0	1	0	0	0	0	0	0	2	0	0	1	1	0	0	5
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Heat edema, initial encounter	0	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	4
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Heat fatigue, transient, sequela	1	0	0	0	0	0	0	1	1	0	0	2	6	0	0	3	14
Heat fatigue, transient, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Heat syncope, initial encounter	1	0	4	0	2	0	3	1	0	5	7	0	0	3	1	0	27
Heat syncope, sequela	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Heatstroke and sunstroke, initial encounter	0	0	0	0	5	0	0	0	3	0	0	0	4	1	0	0	13

Total: 1,372





Heat Related Disorders Statistics

2020



Heat Related Disorders Statistics (All Centers)

In All centers	January	February	March	April	May	June	July	August	September	October	Total
Heat exhaustion, unspecified, initial encounter	0	0	0	0	8	16	112	250	77	8	471
Heat cramp, initial encounter	0	0	0	4	4	10	107	143	82	19	369
Heat exhaustion, anhydrotic, initial encounter	0	0	0	2	6	16	100	87	52	3	266
Heat fatigue, transient, initial encounter	0	0	0	0	0	4	67	62	64	37	234
Heatstroke and sunstroke, initial encounter	0	0	0	1	1	5	8	28	29	8	80
Heat cramp, subsequent encounter	0	0	0	0	1	0	10	26	6	20	63
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	3	14	22	14	53
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	5	6	9	17	4	0	41
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	1	0	0	7	7	16	7	38
Heat syncope, initial encounter	0	0	2	0	0	0	6	5	4	3	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	1	1	10	3	15
Heat exhaustion, unspecified, sequela	0	0	0	0	1	2	2	2	2	0	9
Heat cramp, sequela	0	0	0	0	0	0	1	2	3	2	8
Heat edema, initial encounter	0	0	0	0	0	4	1	1	1	0	7
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	4	0	0	4
Heat syncope, sequela	0	0	0	0	0	0	1	1	0	1	3
Grand total	0	0	2	8	26	63	435	650	372	125	1,681



Heat Related Disorders Statistics (All Centers)

In All centers	January	February	March	April	May	June	July	August	September	October	Total
Heat exhaustion, unspecified, initial encounter	0	0	0	0	8	16	112	250	77	8	471
Heat cramp, initial encounter	0	0	0	4	4	10	107	143	82	19	369
Heat exhaustion, anhydrotic, initial encounter	0	0	0	2	6	16	100	87	52	3	266
Heat fatigue, transient, initial encounter	0	0	0	0	0	4	67	62	64	37	234
Heatstroke and sunstroke, initial encounter	0	0	0	1	1	5	8	28	29	8	80
Heat cramp, subsequent encounter	0	0	0	0	1	0	10	26	6	20	63
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	3	14	22	14	53
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	5	6	9	17	4	0	41
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	1	0	0	7	7	16	7	38
Heat syncope, initial encounter	0	0	2	0	0	0	6	5	4	3	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	1	1	10	3	15
Heat exhaustion, unspecified, sequela	0	0	0	0	1	2	2	2	2	0	9
Heat cramp, sequela	0	0	0	0	0	0	1	2	3	2	8
Heat edema, initial encounter	0	0	0	0	0	4	1	1	1	0	7
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	4	0	0	4
Heat syncope, sequela	0	0	0	0	0	0	1	1	0	1	3
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Heat fatigue, transient, initial encounter	0	0	0	0	0	4	67	62	64	37	234
Heatstroke and sunstroke, initial encounter	0	0	0	1	1	5	8	28	29	8	80
Heat cramp, subsequent encounter	0	0	0	0	1	0	10	26	6	20	63
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	3	14	22	14	53
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	5	6	9	17	4	0	41
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	1	0	0	7	7	16	7	38
Heat syncope, initial encounter	0	0	2	0	0	0	6	5	4	3	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	1	1	10	3	15
Heat exhaustion, unspecified, sequela	0	0	0	0	1	2	2	2	2	0	9
Heat cramp, sequela	0	0	0	0	0	0	1	2	3	2	8
Heat edema, initial encounter	0	0	0	0	0	4	1	1	1	0	7
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	4	0	0	4
Heat syncope, sequela	0	0	0	0	0	0	1	1	0	1	3
Grand total	0	0	2	8	26	63	435	650	372	125	1,681



Heat Related Disorders Statistics (Al - Hemaila)

Hemaila	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	2	1	10	73	103	55	11	255
Heat cramp, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat cramp, subsequent encounter	0	0	0	0	0	0	0	5	3	4	12
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	1	0	0	2
Heat exhaustion, anhydrotic, initial encounter	0	0	0	0	0	4	39	32	14	2	91
Heat exhaustion, anhydrotic,sequela	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic,subsequent encounter	0	0	0	0	0	0	2	0	0	0	2
Heat exhaustion, unspecified, initial encounter	0	0	0	0	4	14	57	143	52	7	277
Heat exhaustion, unspecified, sequela	0	0	0	0	0	1	2	2	2	0	7
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	1	1	3	0	5
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	30	34	45	18	127
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	4	0	0	4
Heat syncope, initial encounter	0	0	1	0	0	0	2	0	0	0	3
Heat syncope, sequela	0	0	0	0	0	0	0	0	0	0	0
Heatstroke and sunstroke, initial encounter	0	0	0	1	0	1	2	1	7	1	13
Total	0	0	1	3	5	30	210	326	181	43	799



Heat Related Disorders Statistics (Al - Hemaila)

Hemaila	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	2	1	10	73	103	55	11	255
Heat cramp, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat cramp, subsequent encounter	0	0	0	0	0	0	0	5	3	4	12
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	1	0	0	2
Heat exhaustion, anhydrotic, initial encounter	0	0	0	0	0	4	39	32	14	2	91
Heat exhaustion, anhydrotic,sequela	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic,subsequent encounter	0	0	0	0	0	0	2	0	0	0	2
Heat exhaustion, unspecified, initial encounter	0	0	0	0	4	14	57	143	52	7	277
Heat exhaustion, unspecified, sequela	0	0	0	0	0	1	2	2	2	0	7
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	1	1	3	0	5
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	30	34	45	18	127
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	4	0	0	4
Heat syncope, initial encounter	0	0	1	0	0	0	2	0	0	0	3
Heat syncope, sequela	0	0	0	0	0	0	0	0	0	0	0
Heatstroke and sunstroke, initial encounter	0	0	0	1	0	1	2	1	7	1	13
Total	0	0	1	3	5	30	210	326	181	43	799



Heat Related Disorders Statistics (Al - Hemaila)

Hemaila	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	2	1	10	73	103	55	11	255
Heat cramp, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat cramp, subsequent encounter	0	0	0	0	0	0	0	5	3	4	12
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	1	0	0	2
Heat exhaustion, anhydrotic, initial encounter	0	0	0	0	0	4	39	32	14	2	91
Heat exhaustion, anhydrotic,sequela	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic,subsequent encounter	0	0	0	0	0	0	2	0	0	0	2
Heat exhaustion, unspecified, initial encounter	0	0	0	0	4	14	57	143	52	7	277
Heat exhaustion, unspecified, sequela	0	0	0	0	0	1	2	2	2	0	7
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	1	1	3	0	5
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	30	34	45	18	127
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	4	0	0	4
Heat syncope, initial encounter	0	0	1	0	0	0	2	0	0	0	3
Heat syncope, sequela	0	0	0	0	0	0	0	0	0	0	0
Heatstroke and sunstroke, initial encounter	0	0	0	1	0	1	2	1	7	1	13
Total	0	0	1	3	5	30	210	326	181	43	799



Heat Related Disorders Statistics (Al - Hemaila)

Hemaila	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	2	1	10	73	103	55	11	255
Heat cramp, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat cramp, subsequent encounter	0	0	0	0	0	0	0	5	3	4	12
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	1	0	0	2
Heat exhaustion, anhydrotic, initial encounter	0	0	0	0	0	4	39	32	14	2	91
Heat exhaustion, anhydrotic,sequela	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic,subsequent encounter	0	0	0	0	0	0	2	0	0	0	2
Heat exhaustion, unspecified, initial encounter	0	0	0	0	4	14	57	143	52	7	277
Heat exhaustion, unspecified, sequela	0	0	0	0	0	1	2	2	2	0	7
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	1	1	3	0	5
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	30	34	45	18	127
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	4	0	0	4
Heat syncope, initial encounter	0	0	1	0	0	0	2	0	0	0	3
Heat syncope, sequela	0	0	0	0	0	0	0	0	0	0	0
Heatstroke and sunstroke, initial encounter	0	0	0	1	0	1	2	1	7	1	13
Total	0	0	1	3	5	30	210	326	181	43	799



Heat Related Disorders Statistics (Mesaimer)

Mesaimer	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	1	3	0	29	20	9	5	67
Heat cramp, sequela	0	0	0	0	0	0	0	0	1	1	2
Heat cramp, subsequent encounter	0	0	0	0	1	0	0	1	0	2	4
Heat edema, initial encounter	0	0	0	0		4	1	1	1	0	7
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	5	6	7	16	4	0	38
Heat exhaustion, anhydrotic, initial encounter	0	0	0	1	2	8	58	50	35	1	155
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	1	10	3	14
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	0	3	2	6	7	18
Heat exhaustion, unspecified, initial encounter	0	0	0	0	3	1	48	107	23	1	183
Heat exhaustion, unspecified, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	2	13	19	14	48
Heat fatigue, transient, initial encounter	0	0	0	0	0	4	22	22	18	13	79
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat syncope, sequela	0	0	0	0	0	0	0	0	0	0	0
Heatstroke and sunstroke, initial encounter	0	0	0	0	1	4	6	27	22	7	67
Total	0	0	0	2	15	27	177	260	148	54	683



Heat Related Disorders Statistics (Mesaimeer)

Mesaimeer	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	1	3	0	29	20	9	5	67
Heat cramp, sequela	0	0	0	0	0	0	0	0	1	1	2
Heat cramp, subsequent encounter	0	0	0	0	1	0	0	1	0	2	4
Heat edema, initial encounter	0	0	0	0		4	1	1	1	0	7
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	5	6	7	16	4	0	38
Heat exhaustion, anhydrotic, initial encounter	0	0	0	1	2	8	58	50	35	1	155
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	1	10	3	14
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	0	3	2	6	7	18
Heat exhaustion, unspecified, initial encounter	0	0	0	0	3	1	48	107	23	1	183
Heat exhaustion, unspecified, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	2	13	19	14	48
Heat fatigue, transient, initial encounter	0	0	0	0	0	4	22	22	18	13	79
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat syncope, sequela	0	0	0	0	0	0	0	0	0	0	0
Heatstroke and sunstroke, initial encounter	0	0	0	0	1	4	6	27	22	7	67
Total	0	0	0	2	15	27	177	260	148	54	683



Heat Related Disorders Statistics (Mesaimer)

Mesaimer	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	1	3	0	29	20	9	5	67
Heat cramp, sequela	0	0	0	0	0	0	0	0	1	1	2
Heat cramp, subsequent encounter	0	0	0	0	1	0	0	1	0	2	4
Heat edema, initial encounter	0	0	0	0		4	1	1	1	0	7
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	5	6	7	16	4	0	38
Heat exhaustion, anhydrotic, initial encounter	0	0	0	1	2	8	58	50	35	1	155
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	1	10	3	14
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	0	3	2	6	7	18
Heat exhaustion, unspecified, initial encounter	0	0	0	0	3	1	48	107	23	1	183
Heat exhaustion, unspecified, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	2	13	19	14	48
Heat fatigue, transient, initial encounter	0	0	0	0	0	4	22	22	18	13	79
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat syncope, sequela	0	0	0	0	0	0	0	0	0	0	0
Heatstroke and sunstroke, initial encounter	0	0	0	0	1	4	6	27	22	7	67
Total	0	0	0	2	15	27	177	260	148	54	683



Heat Related Disorders Statistics (Fereej Abdel Aziz)

Fereej	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	1	0	0	4	19	18	3	45
Heat cramp, sequela	0	0	0	0	0	0	1	2	2	1	6
Heat cramp, subsequent encounter	0	0	0	0	0	0	10	20	3	14	47
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic, initial encounter	0	0	0	1	4	4	3	5	3	0	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	1	0	0	2	5	10	0	18
Heat exhaustion, unspecified, initial encounter	0	0	0	0	1	1	7	0	1	0	10
Heat exhaustion, unspecified, sequela	0	0	0	0	1	1	0	0	0	0	2
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	15	6	1	6	28
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	1	0	0	0	2	5	4	3	15
Heat syncope, sequela	0	0	0	0	0	0	1	1	0	1	3
Heatstroke and sunstroke, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	3	6	6	46	63	42	28	195



Heat Related Disorders Statistics (Fereej Abdel Aziz)

Fereej	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	1	0	0	4	19	18	3	45
Heat cramp, sequela	0	0	0	0	0	0	1	2	2	1	6
Heat cramp, subsequent encounter	0	0	0	0	0	0	10	20	3	14	47
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic, initial encounter	0	0	0	1	4	4	3	5	3	0	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	1	0	0	2	5	10	0	18
Heat exhaustion, unspecified, initial encounter	0	0	0	0	1	1	7	0	1	0	10
Heat exhaustion, unspecified, sequela	0	0	0	0	1	1	0	0	0	0	2
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	15	6	1	6	28
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	1	0	0	0	2	5	4	3	15
Heat syncope, sequela	0	0	0	0	0	0	1	1	0	1	3
Heatstroke and sunstroke, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	3	6	6	46	63	42	28	195



Heat Related Disorders Statistics (Fereej Abdel Aziz)

Fereej	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	1	0	0	4	19	18	3	45
Heat cramp, sequela	0	0	0	0	0	0	1	2	2	1	6
Heat cramp, subsequent encounter	0	0	0	0	0	0	10	20	3	14	47
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic, initial encounter	0	0	0	1	4	4	3	5	3	0	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	1	0	0	2	5	10	0	18
Heat exhaustion, unspecified, initial encounter	0	0	0	0	1	1	7	0	1	0	10
Heat exhaustion, unspecified, sequela	0	0	0	0	1	1	0	0	0	0	2
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	15	6	1	6	28
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	1	0	0	0	2	5	4	3	15
Heat syncope, sequela	0	0	0	0	0	0	1	1	0	1	3
Heatstroke and sunstroke, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	3	6	6	46	63	42	28	195



Heat Related Disorders Statistics (Fereej Abdel Aziz)

Fereej	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	1	0	0	4	19	18	3	45
Heat cramp, sequela	0	0	0	0	0	0	1	2	2	1	6
Heat cramp, subsequent encounter	0	0	0	0	0	0	10	20	3	14	47
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic, initial encounter	0	0	0	1	4	4	3	5	3	0	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	1	0	0	2	5	10	0	18
Heat exhaustion, unspecified, initial encounter	0	0	0	0	1	1	7	0	1	0	10
Heat exhaustion, unspecified, sequela	0	0	0	0	1	1	0	0	0	0	2
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	15	6	1	6	28
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	1	0	0	0	2	5	4	3	15
Heat syncope, sequela	0	0	0	0	0	0	1	1	0	1	3
Heatstroke and sunstroke, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	3	6	6	46	63	42	28	195



Heat Related Disorders Statistics (Fereej Abdel Aziz)

Fereej	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	1	0	0	4	19	18	3	45
Heat cramp, sequela	0	0	0	0	0	0	1	2	2	1	6
Heat cramp, subsequent encounter	0	0	0	0	0	0	10	20	3	14	47
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic, initial encounter	0	0	0	1	4	4	3	5	3	0	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	1	0	0	2	5	10	0	18
Heat exhaustion, unspecified, initial encounter	0	0	0	0	1	1	7	0	1	0	10
Heat exhaustion, unspecified, sequela	0	0	0	0	1	1	0	0	0	0	2
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	15	6	1	6	28
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	1	0	0	0	2	5	4	3	15
Heat syncope, sequela	0	0	0	0	0	0	1	1	0	1	3
Heatstroke and sunstroke, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	3	6	6	46	63	42	28	195



Heat Related Disorders Statistics (Zikreet)

Zikreet	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	0	0	0	1	1	0	0	2
Heat cramp, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat cramp, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, unspecified, initial encounter	0	0	0	0	0	0	0	0	1	0	1
Heat exhaustion, unspecified, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	0	0	0	0	1	0	0	0	1
Heat syncope, sequela	0	0	0	0	0	0	0	0	0	0	0
Heatstroke and sunstroke, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	2	1	1	0	4





Heat Related Disorders Statistics

2021



Heat Related Disorders Statistics (All Centers)

In All centers	January	February	March	April	May	June	July	August	September	October	Total
Heat exhaustion, unspecified, sequela	0	1	0	1	0	29	172	101	35	16	355
Heat cramp, initial encounter	0	0	4	6	20	32	121	77	24	10	294
Heat cramp, sequela	0	0	0	2	2	23	78	72	32	18	227
Heat exhaustion, anhydrotic,sequela	0	1	1	1	3	7	55	39	24	8	139
Heat exhaustion, anhydrotic, initial encounter	3	2	1	3	3	7	49	34	22	12	136
Heat exhaustion, unspecified, initial encounter	0	1	1	1	10	18	53	28	12	3	127
Heat fatigue, transient, sequela	0	0	0	3	1	6	22	51	32	6	121
Heat fatigue, transient, initial encounter	0	1	0	1	14	14	43	18	21	3	115
Heatstroke and sunstroke, initial encounter	0	0	0	0	4	13	11	5	0	1	34
Heat syncope, initial encounter	0	1	0	0	4	4	6	6	3	2	26
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	1	6	4	3	8	1	23
Heat cramp, subsequent encounter	0	0	0	0	8	0	8	3	1	1	21
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	4	8	4	2	18
Heat syncope, sequela	1	0	0	0	1	1	5	1	4	1	14
Heat exhaustion due to salt depletion, initial encounter	0	0	0	1	2	1	2	0	1	1	8
Heat edema, initial encounter	0	0	0	0	0	1	0	0	0	0	1
Grand total	4	7	7	19	73	162	633	446	223	85	1,659



Heat Related Disorders Statistics (All Centers)

In All centers	January	February	March	April	May	June	July	August	September	October	Total
Heat exhaustion, unspecified, sequela	0	1	0	1	0	29	172	101	35	16	355
Heat cramp, initial encounter	0	0	4	6	20	32	121	77	24	10	294
Heat cramp, sequela	0	0	0	2	2	23	78	72	32	18	227
Heat exhaustion, anhydrotic,sequela	0	1	1	1	3	7	55	39	24	8	139
Heat exhaustion, anhydrotic, initial encounter	3	2	1	3	3	7	49	34	22	12	136
Heat exhaustion, unspecified, initial encounter	0	1	1	1	10	18	53	28	12	3	127
Heat fatigue, transient, sequela	0	0	0	3	1	6	22	51	32	6	121
Heat fatigue, transient, initial encounter	0	1	0	1	14	14	43	18	21	3	115
Heatstroke and sunstroke, initial encounter	0	0	0	0	4	13	11	5	0	1	34
Heat syncope, initial encounter	0	1	0	0	4	4	6	6	3	2	26
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	1	6	4	3	8	1	23
Heat cramp, subsequent encounter	0	0	0	0	8	0	8	3	1	1	21
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	4	8	4	2	18
Heat syncope, sequela	1	0	0	0	1	1	5	1	4	1	14
Heat exhaustion due to salt depletion, initial encounter	0	0	0	1	2	1	2	0	1	1	8
Heat edema, initial encounter	0	0	0	0	0	1	0	0	0	0	1
Grand total	4	7	7	19	73	162	633	446	223	85	1,659



Heat Related Disorders Statistics (All Centers)

In All centers	January	February	March	April	May	June	July	August	September	October	Total
Heat exhaustion, unspecified, sequela	0	1	0	1	0	29	172	101	35	16	355
Heat cramp, initial encounter	0	0	4	6	20	32	121	77	24	10	294
Heat cramp, sequela	0	0	0	2	2	23	78	72	32	18	227
Heat exhaustion, anhydrotic,sequela	0	1	1	1	3	7	55	39	24	8	139
Heat exhaustion, anhydrotic, initial encounter	3	2	1	3	3	7	49	34	22	12	136
Heat exhaustion, unspecified, initial encounter	0	1	1	1	10	18	53	28	12	3	127
Heat fatigue, transient, sequela	0	0	0	3	1	6	22	51	32	6	121
Heat fatigue, transient, initial encounter	0	1	0	1	14	14	43	18	21	3	115
Heatstroke and sunstroke, initial encounter	0	0	0	0	4	13	11	5	0	1	34
Heat syncope, initial encounter	0	1	0	0	4	4	6	6	3	2	26
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	1	6	4	3	8	1	23
Heat cramp, subsequent encounter	0	0	0	0	8	0	8	3	1	1	21
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	4	8	4	2	18
Heat syncope, sequela	1	0	0	0	1	1	5	1	4	1	14
Heat exhaustion due to salt depletion, initial encounter	0	0	0	1	2	1	2	0	1	1	8
Heat edema, initial encounter	0	0	0	0	0	1	0	0	0	0	1
Grand total	4	7	7	19	73	162	633	446	223	85	1,659



Heat Related Disorders Statistics (All Centers)

In All centers	January	February	March	April	May	June	July	August	September	October	Total
Heat exhaustion, unspecified, sequela	0	1	0	1	0	29	172	101	35	16	355
Heat cramp, initial encounter	0	0	4	6	20	32	121	77	24	10	294
Heat cramp, sequela	0	0	0	2	2	23	78	72	32	18	227
Heat exhaustion, anhydrotic,sequela	0	1	1	1	3	7	55	39	24	8	139
Heat exhaustion, anhydrotic, initial encounter	3	2	1	3	3	7	49	34	22	12	136
Heat exhaustion, unspecified, initial encounter	0	1	1	1	10	18	53	28	12	3	127
Heat fatigue, transient, sequela	0	0	0	3	1	6	22	51	32	6	121
Heat fatigue, transient, initial encounter	0	1	0	1	14	14	43	18	21	3	115
Heatstroke and sunstroke, initial encounter	0	0	0	0	4	13	11	5	0	1	34
Heat syncope, initial encounter	0	1	0	0	4	4	6	6	3	2	26
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	1	6	4	3	8	1	23
Heat cramp, subsequent encounter	0	0	0	0	8	0	8	3	1	1	21
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	4	8	4	2	18
Heat syncope, sequela	1	0	0	0	1	1	5	1	4	1	14
Heat exhaustion due to salt depletion, initial encounter	0	0	0	1	2	1	2	0	1	1	8
Heat edema, initial encounter	0	0	0	0	0	1	0	0	0	0	1
Grand total	4	7	7	19	73	162	633	446	223	85	1,659



Heat Related Disorders Statistics (Al - Hemaila)

Hemaila	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	1	3	9	18	79	50	12	5	177
Heat cramp, sequela	0	0	0	0	1	13	61	54	12	8	149
Heat cramp, subsequent encounter	0	0	0	0	8	0	1	2	0	0	11
Heat edema, initial encounter	0	0	0	0	0	1	0	0	0	0	1
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, initial encounter	0	0	0	0	0	1	11	8	0	2	22
Heat exhaustion, anhydrotic,sequela	0	0	0	0	0	5	38	5	6	0	54
Heat exhaustion, anhydrotic,subsequent encounter	0	0	0	0	0	0	0	0	7	0	7
Heat exhaustion, unspecified, initial encounter	0	0	1	0	6	5	19	6	3	1	41
Heat exhaustion, unspecified, sequela	0	1	0	0	0	19	78	55	21	12	186
Heat exhaustion, unspecified,Subsequent	0	0	0	0	0	0	2	4	2	0	8
Heat fatigue, transient, initial encounter	0	0	0	0	5	6	12	5	12	1	41
Heat fatigue, transient, sequela	0	0	0	0	0	5	0	22	15	6	48
Heat syncope, initial encounter	0	1	0	0	0	0	0	2	0	0	3
Heat syncope, sequela	1	0	0	0	0	0	0	0	0	0	1
Heatstroke and sunstroke, initial encounter	0	0	0	0	3	2	1	0	0	0	6
Total	1	2	2	3	32	75	302	213	90	35	755



Heat Related Disorders Statistics (Mesaimeer)

Mesaimeer	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	2	1	7	9	30	21	11	3	84
Heat cramp, sequela	0	0	0	0	1	3	7	10	6	0	27
Heat cramp, subsequent encounter	0	0	0	0	0	0	3	1	1	0	5
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	1	2	1	2	0	1	1	8
Heat exhaustion, anhydrotic, initial encounter	3	2	1	3	2	4	29	17	18	8	87
Heat exhaustion, anhydrotic, sequela	0	1	1	1	2	1	15	25	18	8	72
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	1	6	2	1	1	1	12
Heat exhaustion, unspecified, initial encounter	0	1	0	1	4	5	27	21	9	2	70
Heat exhaustion, unspecified, sequela	0	0	0	1	0	7	85	46	14	4	157
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	1	4	2	2	9
Heat fatigue, transient, initial encounter	0	1	0	0	7	4	27	12	7	1	59
Heat fatigue, transient, sequela	0	0	0	0	1	0	10	3	4	0	18
Heat syncope, initial encounter	0	0	0	0	1	0	2	1	1	0	5
Heat syncope, sequela	0	0	0	0	0	0	1	0	0	0	1
Heatstroke and sunstroke, initial encounter	0	0	0	0	1	11	10	5	0	1	28
Total	3	5	4	8	29	51	251	167	93	31	642



Heat Related Disorders Statistics (Fereej Abdel Aziz)

Fereej	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	1	2	4	4	12	5	1	2	31
Heat cramp, sequela	0	0	0	2	0	6	10	8	14	10	50
Heat cramp, subsequent encounter	0	0	0	0	0	0	4	0	0	1	5
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, initial encounter	0	0	0	0	1	2	7	6	2	2	20
Heat exhaustion, anhydrotic, sequela	0	0	0	0	1	1	1	9	0	0	12
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	0	1	2	0	0	3
Heat exhaustion, unspecified, initial encounter	0	0	0	0	0	8	7	1	0	0	16
Heat exhaustion, unspecified, sequela	0	0	0	0	0	3	9	0	0	0	12
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	1	0	0	0	1
Heat fatigue, transient, initial encounter	0	0	0	1	2	4	4	1	1	1	14
Heat fatigue, transient, sequela	0	0	0	3	0	1	12	26	13	0	55
Heat syncope, initial encounter	0	0	0	0	2	4	3	3	1	2	15
Heat syncope, sequela	0	0	0	0	1	1	3	1	4	1	11
Heatstroke and sunstroke, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	8	11	34	74	62	36	19	245



Heat Related Disorders Statistics (Zikreet)

Zikreet	January	February	March	April	May	June	July	August	September	October	Total
Heat cramp, initial encounter	0	0	0	0	0	1	0	1	0	0	2
Heat cramp, sequela	0	0	0	0	0	1	0	0	0	0	1
Heat cramp, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat edema, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion due to salt depletion, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, anhydrotic, initial encounter	0	0	0	0	0	0	2	3	2	0	7
Heat exhaustion, anhydrotic, sequela	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, anhydrotic, subsequent encounter	0	0	0	0	0	0	1	0	0	0	1
Heat exhaustion, unspecified, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, unspecified, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat exhaustion, unspecified, subsequent encounter	0	0	0	0	0	0	0	0	0	0	0
Heat fatigue, transient, initial encounter	0	0	0	0	0	0	0	0	1	0	1
Heat fatigue, transient, sequela	0	0	0	0	0	0	0	0	0	0	0
Heat syncope, initial encounter	0	0	0	0	1	0	1	0	1	0	3
Heat syncope, sequela	0	0	0	0	0	0	1	0	0	0	1
Heatstroke and sunstroke, initial encounter	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	2	6	4	4	0	17





Heat Related Disorders Statistics

2022



Heat Stress Cases per WHC 2022

Jun 1 st to Sep 15 th 2022	
Al Hemaila	188
Mesaimmeer	120
Fereej AA	32
Zikreet	11
Total	351



Most Common Type of Heat Stress

Category	No.
Heat Cramp	128
Heat exhaustion	114
Heat Fatigue	57
Heat Syncope	26
Effect of heat & Light	16
Heat Stroke	5



Most 5 Common Nationalities

Nationality	No.	%
Indian	109	31%
Bangladesh	93	26%
Nepal	79	22%
Pakistan	21	6%
Sir Lanka	15	4%

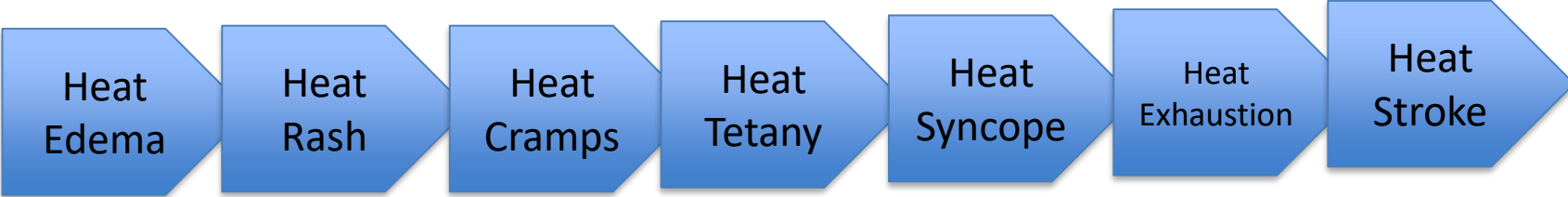




Heat Stress Categories



Heat Stress Severity



1. Heat Rash

Occurs when sweat ducts get clogged

2. Heat Cramps

Painful muscle spasms caused by loss of electrolytes from heavy sweating





Caution !

If workers develop these conditions (**Heat Rash, or Heat Cramps**):
immediately get them out of the heat



3. Heat Syncope

Victim becomes light-headed and faints when blood flow to the brain decreases. This is because blood pressure is lowered when blood vessels dilate to rid the body of heat.

Blood pressure lowers further when blood volume drops as water is evaporated from the blood.



4. Heat Exhaustion

Occurs when the body loses too much water and salt

Signs include

- Weakness
- Dizziness
- Nausea
- Headache
- Heavy sweating
- Clammy skin



5. Heatstroke

- Rapid pulse
- Hot, red skin
- Victim stops sweating
- Possible mental confusion, decreased alertness & blurred judgment





Caution!

Heatstroke can be extremely serious and lead to brain damage or even death if not treated promptly and properly



Heat Exhaustion

- Moist & Clammy skin
- Pupils Dilated
- Normal or Sub-Normal temperature

VS

Heat Stroke

- Dry Hot skin
- Pupils Constricted
- Very High body temperature





Reduction in heat related cases



Why Heat Related cases was reduced year by year?



- The labor law No. 17 on the year of 2021 which regulated the working hours and the work conditions in the months of summer
- Education sessions conducted for the workers
- Improve the worker's knowledge of his rights, especially with regard to safety conditions in the workplace
- Improve the worker's knowledge of heat stress, its causes and prevention, and how to act in case it occurs



Why Heat Related cases was reduced year by year?



- Improved experience and knowledge of health care providers with heat stress and speed of response and management, which reduced the number of referrals to secondary care
- The procedures of the Ministry of Labor in monitoring the implementation of labor protection decisions and penalizing the violating companies





Health Education















Thank you

