



michigan high school athletic association

MODEL POLICY for MANAGING HEAT & HUMIDITY

Adopted March 22, 2013

1. **Thirty minutes prior to the start of an activity, and again 60 minutes after the start of that activity,** take temperature and humidity readings at the site of the activity. Using a digital sling psychrometer is recommended. Record the readings in writing and maintain the information in files of school administration. Each school is to designate whose duties these are: generally the athletic director, head coach or certified athletic trainer.
2. **Factor the temperature and humidity into the Heat Index Calculator and Chart** to determine the Heat Index. If a digital sling psychrometer is being used, the calculation is automatic.

3. If the Heat Index is below 95 degrees:

All Sports

- o Provide ample amounts of water. This means that water should always be available and athletes should be able to take in as much water as they desire.
- o Optional water breaks every 30 minutes for 10 minutes in duration.
- o Ice-down towels for cooling.
- o Watch/monitor athletes carefully for necessary action.

If Heat Index is 95 to 99 degrees:

All Sports —

- o Provide ample amounts of water. This means that water should always be available and athletes should be able to take in as much water as they desire.
- o Optional water breaks every 30 minutes for 10 minutes in duration.
- o Ice-down towels for cooling.
- o Watch/monitor athletes carefully for necessary action.

Contact sports and activities with additional equipment:

- o Provide ample amounts of water. This means that water should always be available and athletes should be able to take in as much water as they desire.
- o Optional water breaks every 30 minutes for 10 minutes in duration.
- o Ice-down towels for cooling.
- o Watch/monitor athletes carefully for necessary action.

Contact sports and activities with additional equipment:

- o Helmets and other possible equipment removed while not involved in contact.

- **Reduce time of outside activity. Consider postponing practice to later in the day.**
- **Recheck temperature and humidity every 30 minutes to monitor for increased Heat Index.**

If Heat Index is 99 to 104 degrees:

All Sports —

- o Provide ample amounts of water. This means that water should always be available and athletes should be able to take in as much water as they desire.
- o Mandatory water breaks every 30 minutes for 10 minutes in duration.
- o Ice-down towels for cooling.
- o Watch/monitor athletes carefully for necessary action.
- o Alter uniform by removing items if possible.
- o Allow for changes to dry t-shirts and shorts.
- o Reduce time of outside activity as well as indoor activity if air conditioning is unavailable.
- o Postpone practice to later in the day.

Contact sports and activities with additional equipment:

- o Helmets and other possible equipment removed if not involved in contact or necessary for safety. If necessary for safety, suspend activity.
- **Recheck temperature and humidity every 30 minutes to monitor for increased Heat Index.**

If Heat Index above 104 degrees:

All Sports

- o **Stop all outside activity in practice and/or play, and stop all inside activity if air conditioning is unavailable.**

Note: When the temperature is below 80 degrees there is no combination of heat and humidity that will result in need to curtail activity.

— Over for Heat Index Chart —

HEAT INDEX CALCULATION AND CHART

Temperature (Fahrenheit)

Relative Humidity at Site

	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
100	84	87	91	95	99	103	107	112	116	121	126	132	137	143	149	155	161	168	174	181	188	195
99	84	87	91	94	98	102	106	111	116	120	125	131	136	142	147	153	160	166	172	179	186	193
98	84	87	90	94	98	102	106	110	115	120	124	130	135	140	146	152	158	164	171	177	184	191
97	84	87	90	94	97	101	105	110	114	119	124	129	134	139	145	151	157	163	169	176	182	189
96	83	87	90	93	97	101	105	109	113	118	123	128	133	138	144	149	155	161	167	174	180	187
95	83	86	90	93	97	100	104	108	113	117	122	127	132	137	142	148	154	160	166	172	179	185
94	83	86	89	93	96	100	104	108	112	116	121	126	131	136	141	147	152	158	164	170	177	183
93	83	86	89	92	96	99	103	107	111	116	120	125	130	135	140	145	151	157	162	169	175	181
92	83	86	89	92	95	99	103	106	111	115	119	124	129	133	139	144	149	155	161	167	173	179
91	83	86	89	92	95	98	102	106	110	114	118	123	127	132	137	143	148	154	159	165	171	178
90	83	86	88	91	95	98	102	105	109	113	117	122	126	131	136	141	147	152	158	164	170	176
89	83	85	88	91	94	98	101	105	109	113	117	121	125	130	135	140	145	151	156	162	168	174
88	83	85	88	91	94	97	101	104	108	112	116	120	125	129	134	139	144	149	155	160	166	172
87	83	85	88	91	94	97	100	104	107	111	115	119	124	128	133	138	143	148	153	159	164	170
86	83	85	88	90	93	96	100	103	107	110	114	118	123	127	132	136	141	146	152	157	163	168
85	83	85	87	90	93	96	99	102	106	110	113	117	122	126	130	135	140	145	150	155	161	167
84	83	85	87	90	93	96	99	102	105	109	113	117	121	125	129	134	139	144	149	154	159	165
83	82	85	87	90	92	95	98	101	105	108	112	116	120	124	128	133	137	142	147	152	158	163
82	82	85	87	89	92	95	98	101	104	108	111	115	119	123	127	132	136	141	146	151	156	162
81	82	84	87	89	92	94	97	100	104	107	110	114	118	122	126	131	135	140	144	149	155	160
80	82	84	86	89	91	94	97	100	103	106	110	113	117	121	125	129	134	138	143	148	153	158
79	82	84	86	89	91	94	96	99	102	106	109	113	116	120	124	128	133	137	142	146	151	157
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56	80	81	83	84	85	86	88	90	92	93	95	98	100	102	105	107	110	113	115	118	122	125
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32	79	79	80	81	81	82	83	84	85	86	87</											