Thunderstorm Asthma is a spring and early summer phenomenon that can cause severe and life-threatening episodes of asthma in at-risk individuals. Undertake this quality improvement activity to prepare your practice and patients for Thunderstorm Asthma events.

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| **MODEL FOR IMPROVEMENT (MFI) SECTION –** To be completed *before* completing PDSA section | | | | | |
| Practice Name: | | | | Date: | |
| Who will be the lead for this activity (name): | | | | PIP QI Quarter: | |
| **GOAL**  As a clinic, decide what you are trying to achieve | | | | | |
| By answering this question, you will develop your GOAL for improvement. It important to use a S.M.A.R.T (**S**pecific, **M**easurable, **A**chievable, **R**elevant, **T**ime bound) goal that clearly states what you are trying to achieve. | | | | | |
| In readiness for the at-risk period for thunderstorm asthma (Oct-Dec), we will:   1. Ensure all team members are up-to date with assessment and emergency management of Asthma 2. Generate awareness of thunderstorm asthma for at risk patients during the month of (insert date) 3. Increase the recording to (insert percentage) of patient allergies and allergy reaction in our clinical software to easily identify patients at risk | | | | | |
| **MEASURE**  How will you measure the improvement for this activity? | | | | | |
| By answering this question, you will determine what you need to **MEASURE** to monitor whether a change is leading to an improvement and the achievement of your goal. Include how you will collect your data (e.g. clinical software, data extraction tool, patient surveys etc). Record and track your baseline measurement to allow for later comparison. | | | | | |
| 1. Number of at-risk patients receive information about thunderstorm asthma (manual measure – e.g. number of SMS messages sent) 2. Secondary measure: Allergy status and reaction recording | | | | | |
| **Baseline Measurement:** | |  | **Date:** | |  |
| **Ideas**  What changes can we make that will result in improvement? | | | | | |
| By answering this question, you will generate a list if **IDEAS** (activities) that will lead to achieving the stated GOAL above. List each activity separately below and add more lines if needed. There can be as few or as many as the practice decides and can be as big or small as your practice can manage. You will test these ideas using part 2 of this template, the Plan, Do, Study, Act (PDSA) cycle. | | | | | |
| IDEA: | Update our team on latest Thunderstorm Asthma information | | | | |
| IDEA: | Prepare our clinic to be ready to treat at risk patients | | | | |
| IDEA: | Increase the recording of patient allergies and allergy reaction in your clinical software | | | | |
| IDEA: | Develop an education and awareness campaign for at risk patients | | | | |

Note: each new GOAL will require a new MFI plan

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| **PLAN DO STUDY ACT (PDSA) SECTION –** To be completed *after* completing the MFI section above | | | | | | | |
| You will have noted your **IDEAS** for testing when you listed activities in the MFI section above. You will use this template to test an idea. Each idea may need more than one PDSA to fine tune the plan before you consider implementing on a broader scale. | | | | | | | |
| **IDEA**  Record the change idea you are testing | | | | | | | |
| From your ideas (activities) your team has listed, choose one activity to test using a PDSA | | | | | | | |
| Idea: Prepare our clinic to be ready to treat at risk patients | | | | | | | |
| **PLAN**  Briefly describe what exactly you will do to test your idea | | | | | | | |
| Record **who** will do what; **when** they will do it (day, time etc) and for **how** long (1 week, 2 weeks etc); and where (if applicable); the data to be collected; and **predictions** about the outcome. | | | | | | | |
| Our lead nurse will conduct practice preparation activities in readiness for an awareness campaign to run during the month of September.  Predictions: We predict that we may receive some enquiries from patients requesting an asthma risk assessment or updated Asthma Action plan. | | | | | | | |
| List the steps necessary to complete this activity | | | | Person responsible | | When  (due date) | Was this step completed? |
| 1. Display posters and patient brochures for waiting room. Use awareness videos on waiting room tv | | | |  | |  |  |
| 2. Opportunistically, review existing patient allergy status when attending clinic for other reasons | | | |  | |  |  |
| 3. Use POLAR to develop list of at-risk patients. Develop SMS messaging and contact identified patients and including link to education resources. | | | |  | |  |  |
| 4. Record number of at-risk patients that were sent information about thunderstorm asthma | | | |  | |  |  |
| **DO**  Was the activity carried out as planned? Yes  No, if not why? Document observations | | | | | | | |
|  | | | | | | | |
| **STUDY**  Record, analyse and reflect on results. Did the results match your predictions? | | | | | | | |
| Detail any **barriers** that your clinic encountered and list your **key findings** during and at the end of your activity | | | | | | | |
|  | | | | | | | |
| **What was the quantitative change/difference** between your baseline data and this activity’s results: | | Baseline measurement: | | | What was the end of activity measurement? - Number of at-risk patients contacted | | |
| \_\_\_\_ % | | | \_\_\_\_ % | | |
| **ACT**  Did this activity meet your stated goal? In the table below, select if you will choose to either Adopt, Adapt or Abandon | | | | | | | |
| Tick one | Description | | Details | | | | |
| Adopt | Select changes to implement on a larger scale and develop an implementation plan and plan for sustainability. | |  | | | | |
| Adapt | Improve the change and continue testing plan.  What will be next PDSA cycle? | |  | | | | |
| Abandon | Discard this change idea and try a different one. | |  | | | | |
| Communicate the results of your activity with your whole team. Celebrate any achievements, big or small. | | | | | | | |