I am sending updated logic (see attached DRAFT MAT export) for the TSH measure which will be discussed on the Cooking with CQL today. I did further testing in Bonnie. My CQL definition **ICI Administered Within or At 8 Weeks**is sooo wrong and does not capture the intent**.** To illustrate the definition of continuous therapy, please consider the following scenarios:

|  |  |  |  |
| --- | --- | --- | --- |
| **MEASUREMENT PERIOD 2021** | |  |  |
| **ICI Administration Dates** | |  |  |
| **PATIENT 1** |  |  |  |
| **Medication** | **Start DateTIme** | **Stop DateTime** |  |
| Admin 1 | 1/1/2020 @ 8AM | 1/1/2020 @ 8:15 AM | The measure should follow only the highlighted admin dates because they are considered continuous treatments. The gap between treatments is within 8 weeks. Thus, the Start of ICI should be 1/1/2020 and the End of ICI is 2/26/2020. |
| Admin 2 | 2/26/2020 @8AM | 2/26/2020 @ 8:15 AM |
| Admin 3 | 5/30/2020 @8AM | 5/30/2020 @ 8:15 AM |
| Admin 4 | 06/30/2020 @8AM | 6/30/2020 @ 8:15 AM |
|  |  |  |  |
| **PATIENT 2** |  |  |  |
| **Medication** | **Start DateTIme** | **Stop DateTime** |  |
| Admin 1 | 1/1/2020 @ 8AM | 1/1/2020 @ 8:15 AM | There's only one administration date, this should be considered and there must be at least 1 TSH performed between 1/1/2020 - 2/25/2020 |
|  |  |  |  |
| **PATIENT 2** |  |  |  |
| **Medication** | **Start DateTIme** | **Stop DateTime** |  |
| Admin 1 | 10/01/2020 @ 8AM | 10/01/2020 @ 8:15 AM | All these admin dates should be considered, as the gap between admin dates is within 8 weeks. Thus, the Start of ICI should be 10/1/2020 and the End of ICI should be 3/24/2021. |
| Admin 2 | 11/26/2020 @8AM | 2/26/2020 @ 8:15 AM |
| Admin 3 | 12/24/2020 @8AM | 12/24/2020 @ 8:15 AM |
| Admin 4 | 01/20/2021 @8AM | 01/20/2021 @ 8:15 AM |
| Admin 5 | 02/24/2021 @8AM | 02/24/2021 @ 8:15 AM |
| Admin 6 | 03/24/2021 @8AM | 03/24/2021  @ 8:15 AM |

I don’t think the current CQL expressions for **ICI Administered Within or At 8 Weeks**captures all these scenarios. I hope to get your feedback on this, as well as the TSH testing component of the measure during today’s call.