

Use Case 1_ Create new entry if PID not found

(*<pid> not found, generate [max+1]*)

If the *<patient_id>* source / value pair has not been added to the mapping table, a new PATIENT_NUM with value $\max(\text{patient_num})+1$ should be generated and all the PATIENT_NUMs for this patient will receive this value. The new patient number must also be added to the PATIENT_DIMENSION table.

Example:

New *<patient_id>* source / value pair = 'EMPI' / 1000000

Select $\max(\text{patient_num})$ from patient_mapping = 527

New patient_num = $\max(\text{patient_num}) + 1 = 528$

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<span style="color: #0000ff"><</span><span style="color: #a31515">pid</span><span style="color: #0000ff">></span>
<span style="color: #0000ff"><</span><span style="color: #a31515">patient_id</span> <span style="color: #ff0000">source</span>=<span style="color: #0000ff">EMPI</span></span><span style="color: #0000ff">></span>1000000<span style="color: #0000ff"></span><span style="color: #a31515">patient_id</span>
<span style="color: #0000ff"><</span><span style="color: #a31515">patient_map_id</span> <span style="color: #ff0000">source</span>=<span style="color: #0000ff">MGH</span></span><span style="color: #0000ff">></span>123<span style="color: #0000ff"></span><span style="color: #a31515">patient_map_id</span>
<span style="color: #0000ff"><</span><span style="color: #a31515">patient_map_id</span> <span style="color: #ff0000">source</span>=<span style="color: #0000ff">BWH</span></span><span style="color: #0000ff">></span>777<span style="color: #0000ff"></span><span style="color: #a31515">patient_map_id</span>
<span style="color: #0000ff"><</span><span style="color: #a31515">pid</span><span style="color: #0000ff">></span>
```

The rows in the PATIENT_MAPPING table will appear as follows:

PATIENT_IDE	PATIENT_IDE_SOURCE	PATIENT_NUM	PATIENT_IDE_STATUS
1000000	EMPI	528	A
123	MGH	528	A
777	BWH	528	A
528	HIVE	528	A