# Database Field Specification – Type 2

Aggregated\_Response

Aggregated results from the AI engines, stored as dictionaries mapping diagnosis terms to their respective probability or urgency scores.

## D- Diagnosis\_Aggregated (List of Strings):

A list of standardized diagnosis terms considered in the aggregation process.

Example:

[

"Acute Myocardial Infarction",

"Pulmonary Embolism",

"Diabetic Ketoacidosis",

"Anaphylactic Shock",

"Acute Pancreatitis",

"Septic Shock",

"Acute Kidney Injury"

]

## PA - Probability\_Aggregated (Dictionary):

Key (String): Diagnosis term

Value (Float): Aggregated probability score

Example:

{  
 "Acute Myocardial Infarction": 0.2796610169491526,  
 "Pulmonary Embolism": 0.2288135593220339,  
 "Diabetic Ketoacidosis": 0.0847457627118644,  
 "Anaphylactic Shock": 0.13559322033898305,  
 "Acute Pancreatitis": 0.10169491525423728,  
 "Septic Shock": 0.07627118644067797,  
 "Acute Kidney Injury": 0.09322033898305086  
}

## UA - Urgency\_Aggregated (Dictionary):

Key (String): Diagnosis term

Value (Integer): Aggregated urgency level (0 = Green, 1 = Yellow, 2 = Red)

Example:

{  
 "Acute Myocardial Infarction": 2,  
 "Pulmonary Embolism": 1,  
 "Diabetic Ketoacidosis": 1,  
 "Anaphylactic Shock": 1,  
 "Acute Pancreatitis": 0,  
 "Septic Shock": 2,  
 "Acute Kidney Injury": 1  
}

## Probability\_Matrix(P)

A nested dictionary containing the probability scores for each possible diagnosis as evaluated by different AI engines.

Probability\_Matrix (Dictionary):

Key (String): Standard diagnosis term

Value (Dictionary):

Key (String): Engine name (e.g., "GPT", "Claude", "PaLM")

Value (Float): Probability score given by the engine (0.0–1.0)

Example:

"Probability\_Matrix": {  
 "Acute Myocardial Infarction": {"GPT": 0.85, "Claude": 0.0, "PaLM": 0.8},  
 "Pulmonary Embolism": {"GPT": 0.7, "Claude": 0.65, "PaLM": 0.0},  
 "Diabetic Ketoacidosis": {"GPT": 0.5, "Claude": 0.0, "PaLM": 0.0},  
 "Anaphylactic Shock": {"GPT": 0.4, "Claude": 0.4, "PaLM": 0.0},  
 "Acute Pancreatitis": {"GPT": 0.0, "Claude": 0.6, "PaLM": 0.0},  
 "Septic Shock": {"GPT": 0.0, "Claude": 0.2, "PaLM": 0.25},  
 "Acute Kidney Injury": {"GPT": 0.0, "Claude": 0.0, "PaLM": 0.55}  
}

## Urgency\_Matrix(U)

A nested dictionary containing urgency levels assigned by each AI engine for each diagnosis.

Urgency\_Matrix (Dictionary):

Key (String): Standard diagnosis term

Value (Dictionary):

Key (String): Engine name

Value (Integer): Urgency level (0 = Green, 1 = Yellow, 2 = Red)

Example:

"Urgency\_Matrix": {  
 "Acute Myocardial Infarction": {"GPT": 2, "Claude": 0, "PaLM": 2},  
 "Pulmonary Embolism": {"GPT": 1, "Claude": 1, "PaLM": 0},  
 ...  
}