# Knowledge Management in EMS: Leveraging Taxonomy for Proactive Care

## Key Concepts

1. Taxonomy as a Foundation:  
 - Standardized coding systems (e.g., ICD-10, SNOMED CT) provide the backbone for organizing and linking EMS data.  
 - These systems ensure interoperability across healthcare platforms and facilitate scalability for both large and rural EMS systems.  
  
2. District-Specific Care Plans:  
 - By analyzing EMS call data and linking it to social determinants of health (SDOH), districts can identify recurring health challenges (e.g., falls in geriatric populations, uncontrolled hypertension in low-income areas).  
 - The framework suggests tailored programs (e.g., fall prevention workshops, mobile hypertension clinics) based on evidence and protocols from the state Office of EMS or district medical directors.  
  
3. Visualization Through “District Wraps”:  
 - Quarterly or annual data “wraps” visualize key performance metrics (e.g., call types, patient demographics, interventions) and connect them to actionable recommendations.  
 - Example: A district with high pediatric asthma calls in spring could see targeted recommendations like school-based respiratory health programs.  
  
4. Governance and Sustainability:  
 - Success depends on effective governance, continuous training, and alignment between EMS teams, medical directors, and local agencies.  
 - Tools like knowledge graphs enable real-time insights, but governance ensures data quality, system maintenance, and program longevity.

## Questions for Feedback

From the Taxonomy Perspective:  
- Does this approach align with best practices for managing medical data and integrating taxonomies like ICD-10 or SNOMED CT?  
- Are there areas where you foresee challenges in scaling or maintaining data integrity?  
  
From the EMS Perspective:  
- How realistic and useful would district-specific care plans be for paramedics and EMS supervisors?  
- Are there any operational or clinical gaps this framework might overlook in practical, on-the-ground EMS settings?