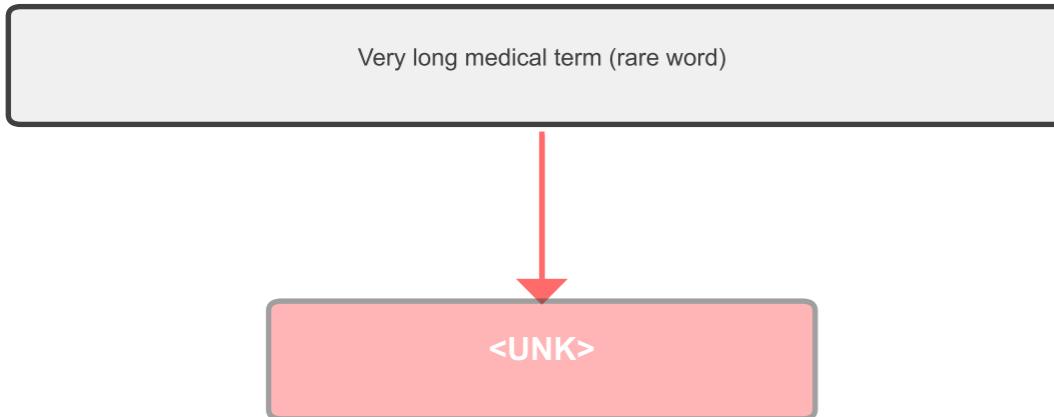


Rare Word Handling: Word-Level vs Subword

Word-Level: Information Loss

Input: "pneumonoultramicroscopicsilicovolcanoconiosis"

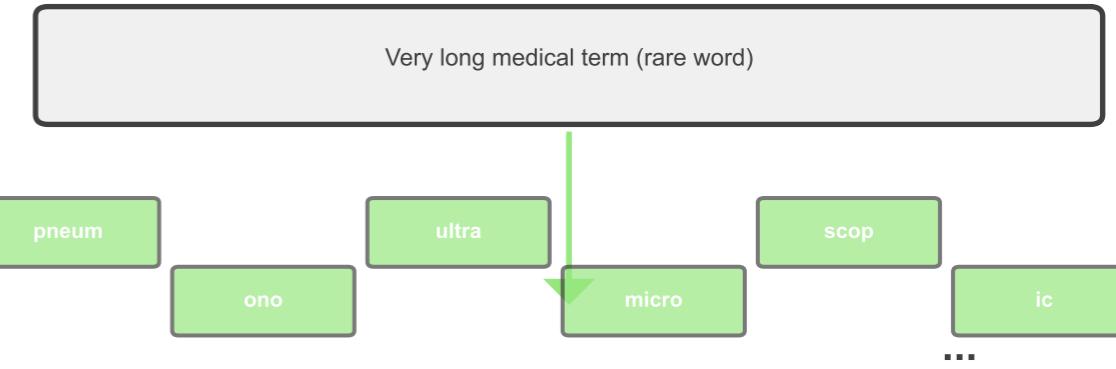


PROBLEM: All information lost!

Model has no idea what
the original word meant

Subword (BPE): Meaning Preserved

Input: "pneumonoultramicroscopicsilicovolcanoconiosis"



SUCCESS: Meaning preserved!

Model can understand:
"pneum" (lung), "micro" (small),
"scop" (viewing), etc.