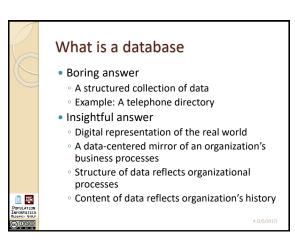
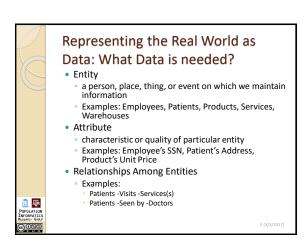
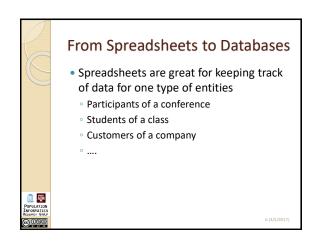


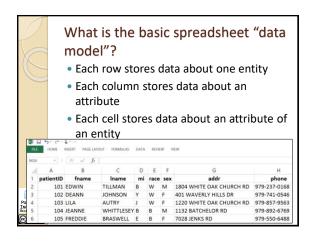
Why are we learning this? Databases are perhaps the single most important class of corporate applications Databases are surprisingly powerful data modeling and analysis tools in situations where spreadsheets fall short Students who plan to work in management consulting will soon find this out MS Access is a great example of how easy it is to build powerful applications without the need of a background in technology But we are going to learn SQL directly

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Spreadsheet limitations • Things get complicated when we want to keep track of several inter-related entities • For example: • Patients • Medications • Visits • You tried it! • How was it? • You figured out the relevant data • But, to keep the sheet to fully incorporate all the relationships, and always correct how much work would it be?

Spreadsheets are awkward for storing relationships • Main difficulty is that a "visit" is essentially a relationship between one Patient and one or more Services provided, Medications prescribed, and Labs ordered

