We Offer Wellness Report 6: reports and analytics from DW database

Project status

Since the last report, I have completed the following tasks:

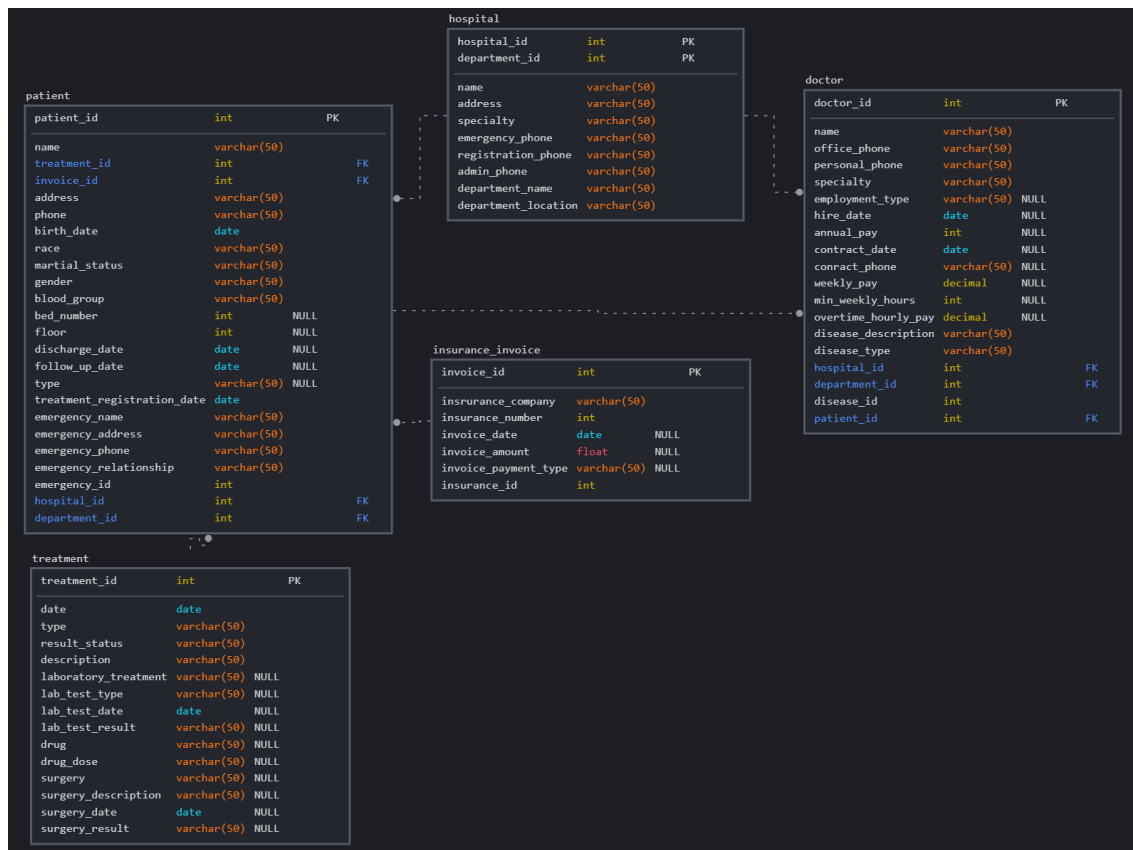- Changed the DW design, so it would fit the project better given the purpose of a DW:

Figure 1: Updated the DW design.

- Added partitioning by date for patients table.

- Extracted data from OLTP database based on timestamp:

	A	B	C	D	E	F	G	H	I	J
	name	address	specialty	emergency_phone	registration_phone	admin_phone	department_name	department_location	hospital_id	department_id
	A Neque I	P.O. Box 309,	amet	(294) 384-2474	(267) 456-2091	(820) 643-6294	nisl.	P.O. Box 419, 8991 Ele	5	5
	Enim LLC	P.O. Box 604,	ipsum	(622) 884-1778	(629) 988-8446	(483) 279-6455	orci	5685 Enim Road	4	4
	Tincidunt	P.O. Box 567,	auctor	(541) 516-7776	(262) 781-1033	(548) 542-5546	non	Ap #338-6343 Nisi Stre	2	2
	Ut Tincidu	800-7207 At /	risus.	(721) 602-5097	(722) 545-6115	(198) 347-5777	nisi	Ap #198-3847 Ac Aver	3	3
	Velit Sed /	Ap #771-8795	non,	(347) 551-8882	(513) 762-3345	(453) 677-7207	volutpat	7908 Dictum Road	8	8

Figure 2: External hospital table as CSV.

Project progress

Below, you can see the timeline of the project. The completed stages of the project are marked with bold font.

- **9/26/2021: OLTP database design.**

- **10/10/2021: OLTP database implementation.**

- **10/24/2021: DW design and implementation.**

- **11/07/2021: ETL code (in-progress).**

- 11/21/2021: reports and analytics from DW database.

- 12/12/2021: end-to-end tests, project demo.

- 12/14/2021: final project report.

- TBA: final presentation.

Project planned work

- finish ETL

- reports and analytics from DW database.

- end-to-end tests, project demo.