

Pregnancy Outcomes in Maternal Exposure to Guselkumab: Review of Cases Reported to the Company's Global Safety Database



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Background

- The Global Consensus Consortium statement on the management of pregnancy in inflammatory bowel disease suggests women can continue treatment with interleukin (IL)-23 inhibitors throughout pregnancy¹
- Guselkumab (GUS) is a dual-acting selective p19 subunit-targeted IL-23 inhibitor that blocks IL-23 signaling and binds to CD64, a receptor on immune cells that produce IL-23²
- GUS is approved to treat moderate-to-severe psoriasis (PsO), active psoriatic arthritis (PsA), and moderately to severely active ulcerative colitis (UC) and Crohn's disease (CD)³

Objective

- In this analysis, we report data on pregnancy cases with known outcomes in women exposed to GUS during pregnancy

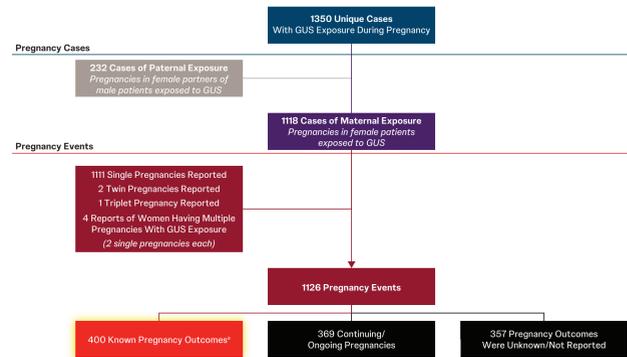
Methods

- Pregnancy cases were reported to the Company Global Safety Database through 12 July 2025
 - Cases with known outcomes were reported from clinical studies and spontaneous sources
- Data were summarized descriptively for pregnancies reported prospectively and retrospectively
- GUS therapeutic indications in pregnancy cases were:
 - Psoriatic disease
 - CD
 - UC
 - Other/not reported
- Maternal GUS exposure was categorized as follows:
 - Before conception (within 3 months prior to conception)
 - During the first trimester (T1)
 - After the first trimester only (T2, T3)
 - Throughout pregnancy
 - Not reported
- Pregnancy outcomes were classified as:
 - Live births with or without congenital anomalies
 - Spontaneous abortions
 - Elective terminations with or without fetal defects or unknown
 - Ectopic pregnancies
 - Stillbirths with or without fetal defects
 - Unspecified abortions with or without fetal defects or unknown

Results

Figure 1. A total of 400 pregnancy events with known outcomes occurred among 396 women

- Maternal age was reported for 264/396 (67%) women, and the mean maternal age was 32 years



*Includes 267 medically confirmed pregnancies and 109 medically unconfirmed pregnancies.

Figure 2. Proportions of prospectively and retrospectively reported pregnancy events, N=400

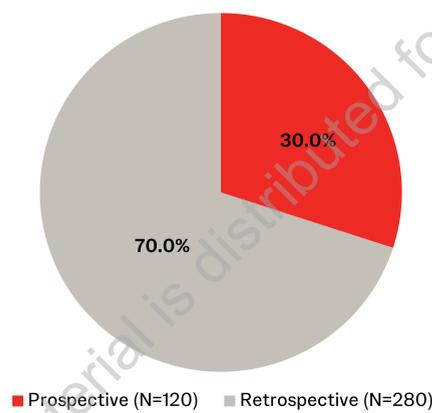


Figure 3. Proportions of pregnancy events by reporting source, N=400

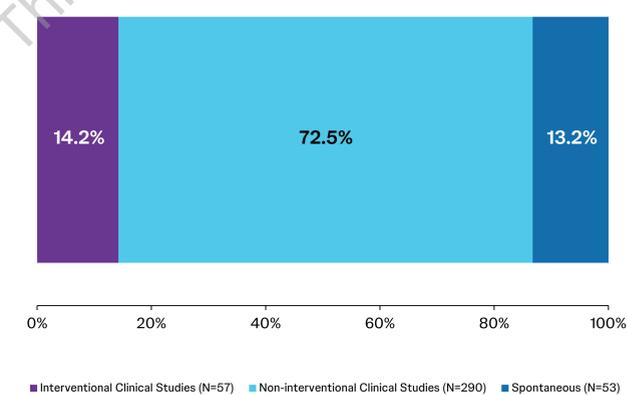


Figure 4. Proportions of pregnancy cases reported by geographic region, N=396

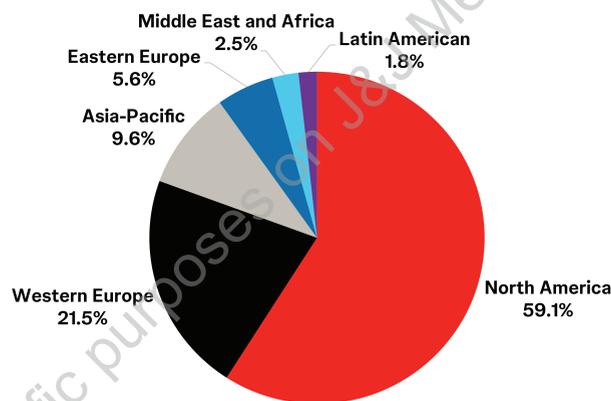


Table 1. Women exposed to GUS during pregnancy were treated for:

	Indication (N=396)	
	n-value	Percentage
Psoriatic Disease ^b	289	73.0%
Not Reported	70	17.7%
Inflammatory Bowel Disease	25	6.3%
CD	15	3.8%
UC	10	2.5%
Other ^c	12	3.0%

^bIncludes cases reported as psoriasis, psoriatic arthritis, and psoriasis + psoriatic arthritis. ^cOther indications included hidradenitis suppurativa, palmoplantar pustulosis, guttate psoriasis, pityriasis rubra pilaris, rheumatoid arthritis, and healthy individuals from Phase 1 studies.

Figure 5. Proportions of pregnancy cases reported by timing of exposure, N=400

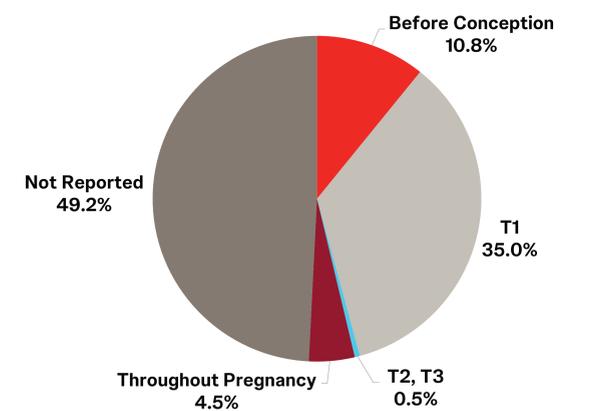
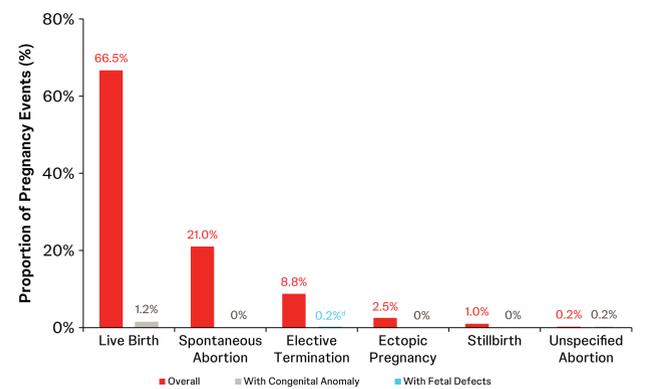


Figure 6. Proportions of Pregnancy Events by Outcome, N=400

- 66.5% of pregnancy events with maternal exposure to GUS resulted in live birth



*One case reported baby adverse event of fetal disorder with no further information; conservatively, it was categorized as a fetal defect.

Table 2. Congenital Anomalies by Pregnancy Outcome and Timing of Exposure

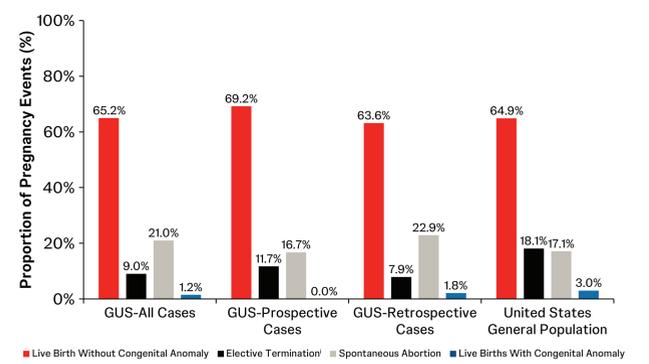
- Of the 400 pregnancy events with known outcomes, 6 (1.5%) pregnancies were associated with congenital anomalies

Events of Interest ^a	Number of Events	Pregnancy Outcomes	Timing of Maternal Exposure	Classification ^d
Trisomy 13 ^b	1	Live Birth	Throughout pregnancy	Major anomaly Chromosomal
Congenital Heart Disease	1	Live Birth	Not reported	Major anomaly Nonchromosomal
Esophageal Atresia ^b	1	Live Birth	Not reported	Major anomaly Nonchromosomal
Cerebral Ventricle Dilation	1	Live Birth	During the first trimester	Minor anomaly Nonchromosomal
Single Umbilical Artery	1	Live Birth	During the first trimester	Minor anomaly Nonchromosomal
Fetal Malformation	1	Unspecified Abortion	During the first trimester	Termination of pregnancy due to fetal anomaly

^aMedical Dictionary for Regulatory Activities (MedDRA, version 28.0) was used to identify adverse events based on the System Organ Class of congenital, familial, or genetic disorders, which is sub-search of the Standardized MedDRA Query of pregnancy and neonatal topics. ^bMajor and chromosomal congenital anomalies per EUROCAT classification are reported unless otherwise specified. ^cPre-term delivery at less than 37 weeks; baby died due to Trisomy 13. ^dBaby adverse event of tracheomalacia was reported.

Figure 7. Rates of Pregnancy Outcomes With Maternal Exposure vs United States General Population^{4,5}

- Rates of pregnancy outcomes in women exposed to GUS were consistent with those of the general US population



Included cases reporting unspecified abortions.