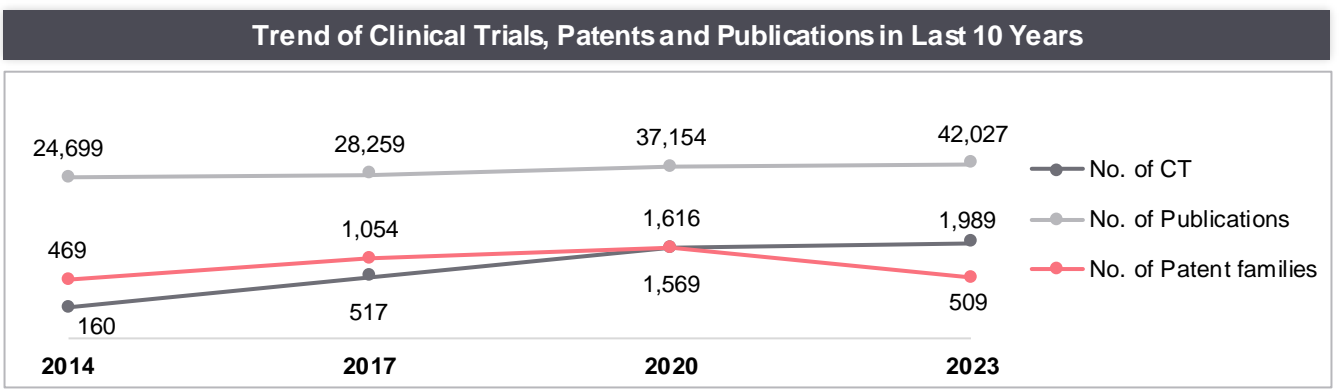
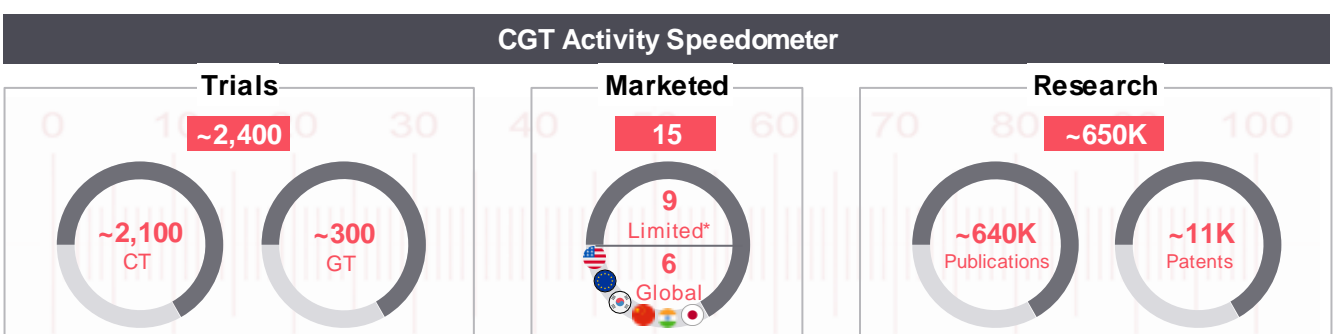


FUTURE OF CELL AND GENE THERAPIES (CGT)

Global Trends and Approvals In Cancer

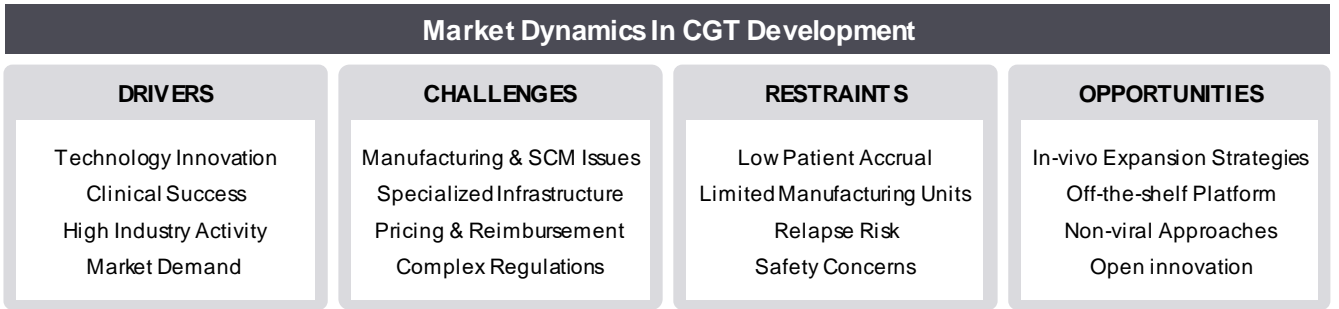
New Hopes and Scientific Rationale

Advancing CGT to Unprecedented Success



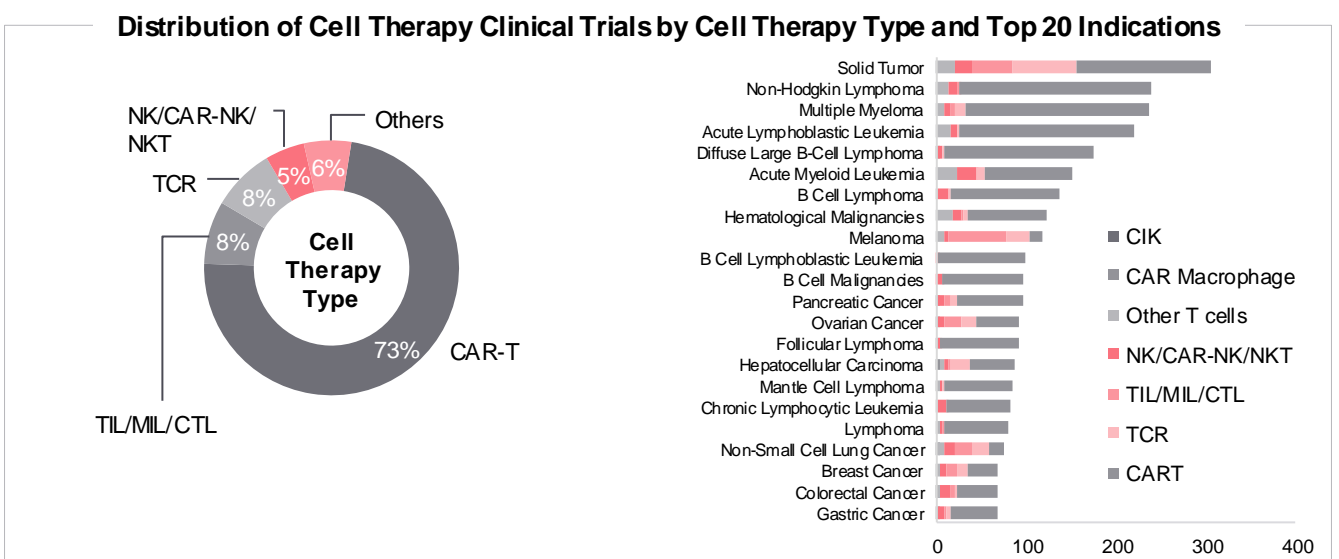
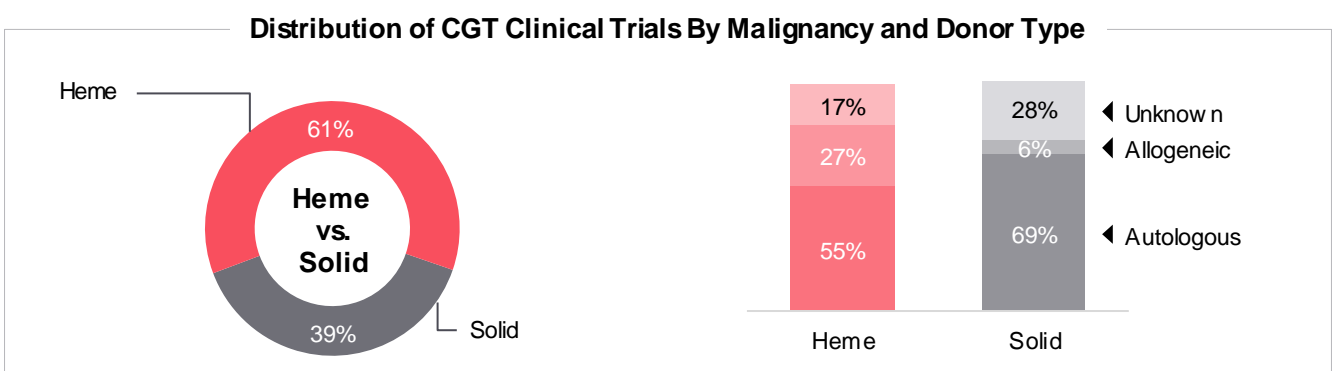
CGT Approvals

First Approvals – Recent			Global	Limited Countries
Tumor	CT Type	Brand		
Solid	TILs	AMTAGVI (Iifileuce)	KYMIRIAH [®] (tisagenlecleucel)	EBVALLO [®] (labelecteucel), Carteyva [®] , Equicabtagene Autoleuce
Heme	Allogeneic T-cells	EBVALLO [®] (labelecteucel)	Breyanzi [®] (lisocabtagene maraleucel)	TECARTUS [®] (brexucabtagene autoleucel), NexCAR19 (Axicabtagene autoleucel), AMTAGVI (Iifileuce), Zevorcabtagene Autoleuce
Heme	Autologous CAR-T	NexCAR19 (Axicabtagene autoleucel)	CARVYKTI [®] (ciclovigene autoleucel)	Abecma [®] (idecabtagene vicleucel), Immuncell-LC, ADSTILADRIN [®] (nadastiladrine tademovec-ving), Inaticabtagene Autoleuce



CT: Cell Therapy; GT: Gene Therapy; SCM: Supply Chain Management; TILs: Tumor-infiltrating lymphocytes
 *Approvals in Limited Countries refer to Regulatory approvals granted in single geographical area
 Source: FutureBridge Analysis, Scopus, Orbit, ClinicalTrials.gov

Distribution of CGT Studies in Oncology - Global



CIK: Cytokine-induced killer cell, CAR-NK: CAR- Natural killer cell, CTL: Cytotoxic T-cells, NKT: Natural killer T-cells, MIL: Marrow-infiltrating lymphocytes
 TCR: T-cell receptor, TILs: Tumor-infiltrating lymphocytes; Source: FutureBridge Analysis, ClinicalTrials.gov

Conclusion

- The CGT landscape is rapidly expanding, fueled by rising approvals, clinical trials, patents, publications, and global corporate and academic participation.
- New markets like India are catching up, US and China remain the major markets in terms of innovation and need
- Collaboration and open innovation are the major success drivers

About FutureBridge

FutureBridge is a techno-commercial consulting and advisory company. We track and advise on the future of industries from a 1-to-25-year perspective to keep you ahead of the technology curve, propel your growth, identify new opportunities, markets and business models, answer your unknowns, and facilitate best-fit solutions and partnerships using our platforms, programs, and access to global ecosystems and players.