



- ❖ Context Setting comments
- ❖ Venture capital
- ❖ **Patents**
- ❖ Publicly traded
- ❖ M&A transactions
- ❖ Business Collaborations



Patents: a (the?) key Factor in knowledge- based economy

Doing the SBIR-STTR Numbers: issued US patents (June 2017):

- ❖ 136,383 issued patents - most still current
- ❖ 20,651 Patent applications
- ❖ Extensive portfolio of international IP holdings <250,000

Quality indicator: High Citation rate

- ❖ Patent transfers: academic licensing and spin-outs. Corporate licensing Totals? c. 45,000-50,000

Currently underway is a systematic compilation by idi of data relevant to tracking extent and form of in- and out-licensing. Scale of such endeavor has clearly increased substantially in past decade with perhaps important policy and program management implications

Extent of SBIR-STTR awards: comparison of awardees holding patents versus non-patent holders (June 2017)

Data as of June 2015	Whole SBIR-STTR Program	Firms with Patents	Firms without Patents
Number of SBIR-STTR awardees	24,128	8,890	15,238
Percentage of awardees		36.86%	63.14%
Number of SBIR-STTR awards	112,097	74,074	38,023
Percentage of awards		66.08%	33.92%
Average <u>awards</u> per awardee	4.65	8.33	2.49

Total SBIR award dollars: \$31.27B with patents vs \$14.40B *without*

SBIR-STTR issued patents



With the data showing a major uptick in issued patents beginning in 1998, since then

a US patent issues to
an SBIR-STTR
involved firm
13-15 times a day

every day: 365 days a year