



**MINISTRY OF FOREIGN AFFAIRS  
OF DENMARK**

*Innovation Centre Denmark Tel Aviv*

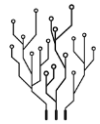
# **POWERING THE STARTUP NATION**

**THE ISRAELI HEALTHCARE INNOVATION ECO-SYSTEM**

**Louise Thomsen, Senior Innovation Officer**

**Innovation Centre Denmark in Tel Aviv**

# A DYNAMIC, TALENTED, INTEGRATED AND WELL FINANCED INNOVATION ECOSYSTEM DELIVERS STRONG INNOVATION – GLOBALLY



8.7% of workforce employed in  
High Tech

(Israel Innovation Center 2019)



\$6.4 billion raised by startups

(Forbes 2018)



360 multinational company R&D  
offices

(Startup Nation 2018)



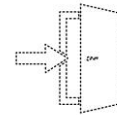
6673 High-Tech startups

(Startup Nation 2018)



4.5% of GDP spent on R&D

(OECD 2017)

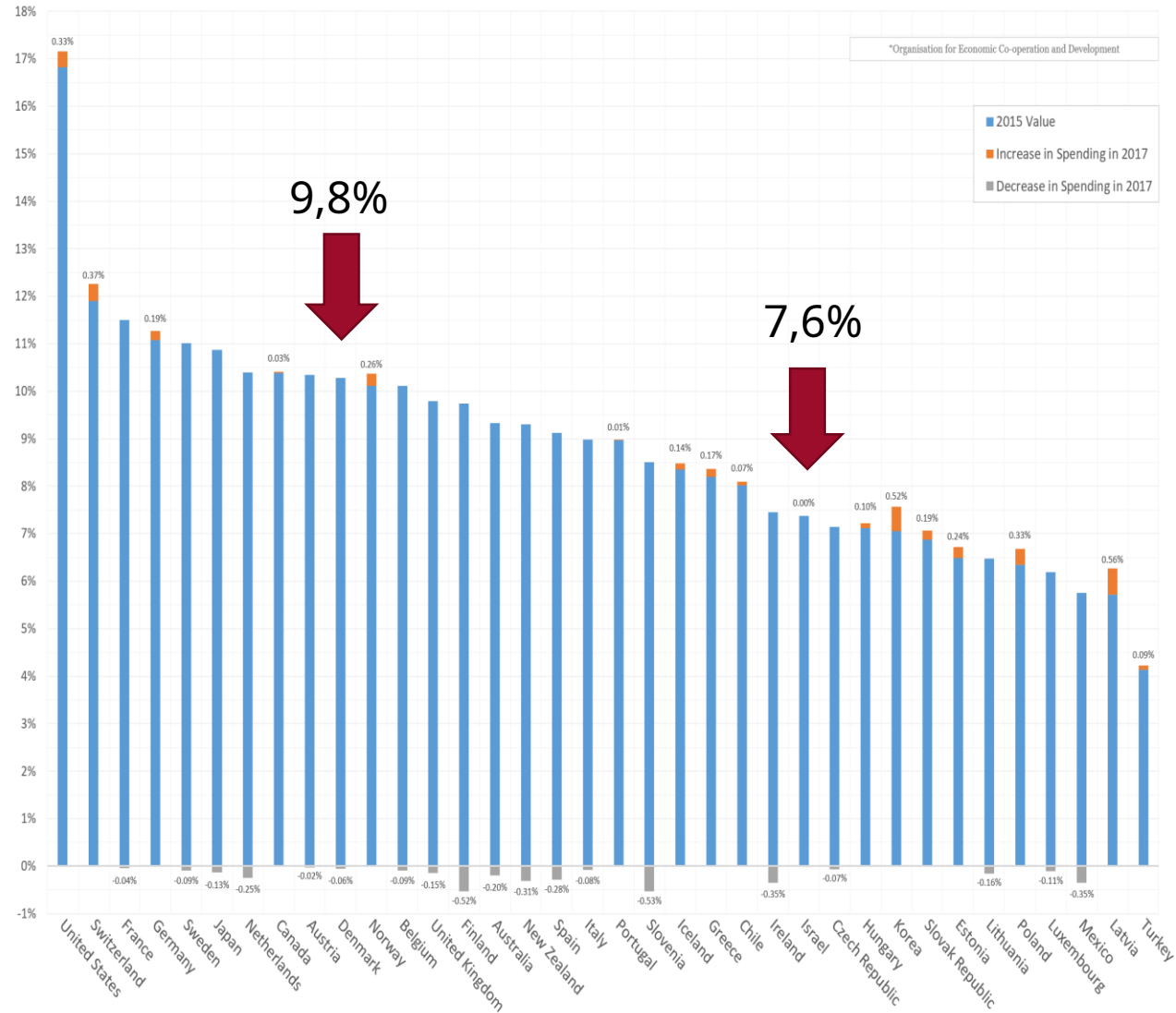


\$14.8 billion in Exits H1/2019

(IVC Research Center)

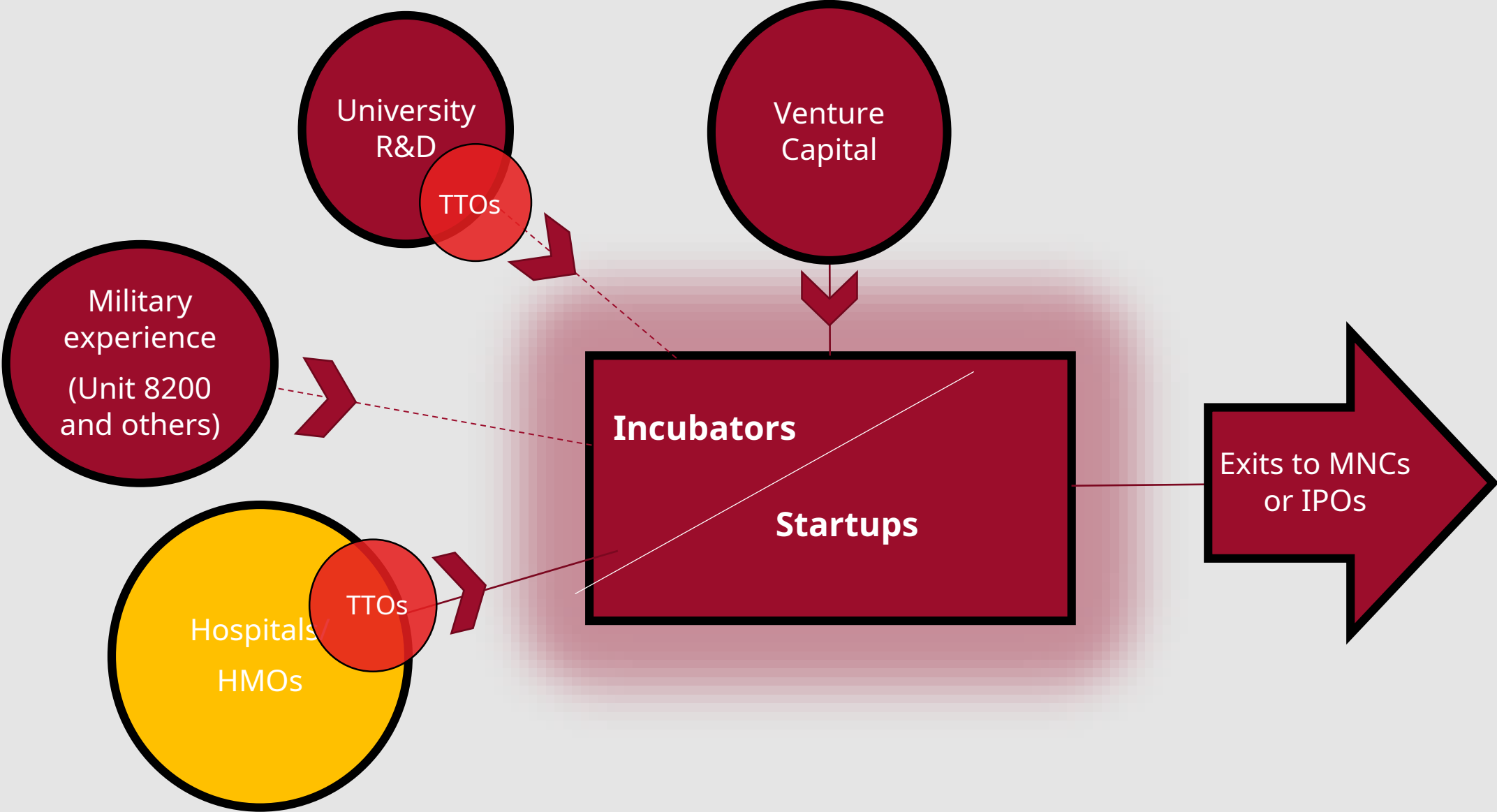
# COMPETATIVE HEALTHCARE SYSTEM FUELING INNOVATION

Healthcare Spending (as % GDP), Descending, 2015-2017 by OECD\* Country

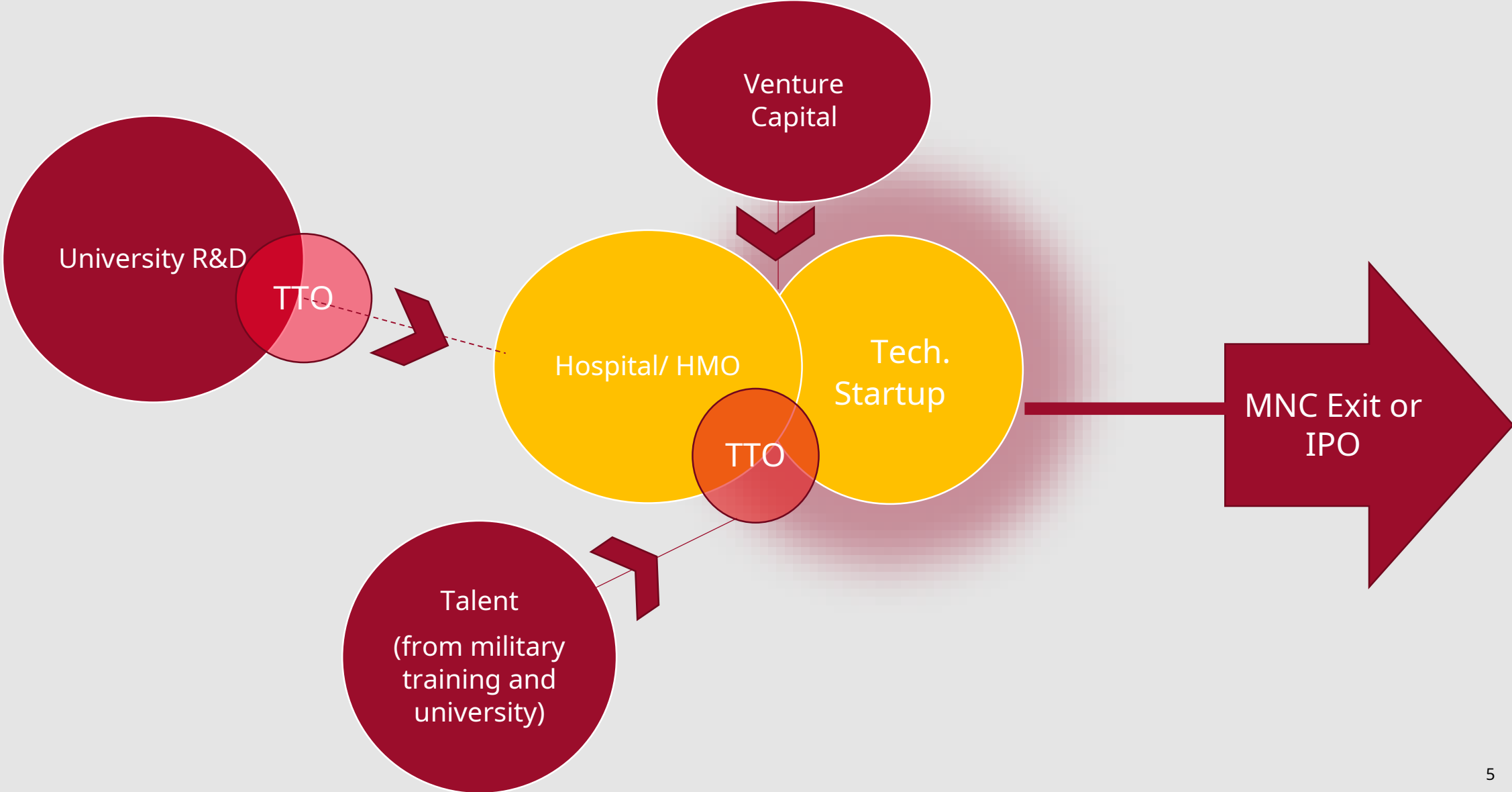


- Universal and obligatory healthcare insurance
- Four competing HMOs
  - Clalit (53%)
  - Maccabi (25%)
  - Meuhedet (12%)
  - Leumi (11%)
- HMOs provide alle primary and secondary healthcare services
- HMOs run hospitals, clinics and pharmacies

# ISRAEL HAS PURPOSELY BUILT WORLD-CLASS HEALTHCARE INNOVATION ECOSYSTEM



# HOSPITALS DRIVE HEALTHCARE INNOVATION – SHEBA, RAMBAM AND HADASSAH MODEL



Hospitals cannot afford to **not** drive  
innovation

Hospitals should **make money** on  
innovation to finance innovation



# DATA DRIVING FUTURE HEALTHCARE

- AI increasing important component in development of new healthcare solutions
- Data is an important tool for improving prevention, diagnostics and treatment
- Data protection is important and not a barrier to innovation
  - Anonymized data
  - Synthetic data
  - Opting out



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# **CASE: SHEBA HOSPITAL**



# SHEBAS INNOVATIONSMODEL

- In-house innovation
- Tech Transfer Office
- Innovation Centre
- Venture Fund

## ❖ Hospital open innovation platform provides acces to:

- Attending and research physicians
- Pilot projects
- Clinical trials
- Facilities
- Medical data

## ❖ Small setup, large effect





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# **CASE: NORTH ZEALAND ENGAGEMENT IN ISRAEL**



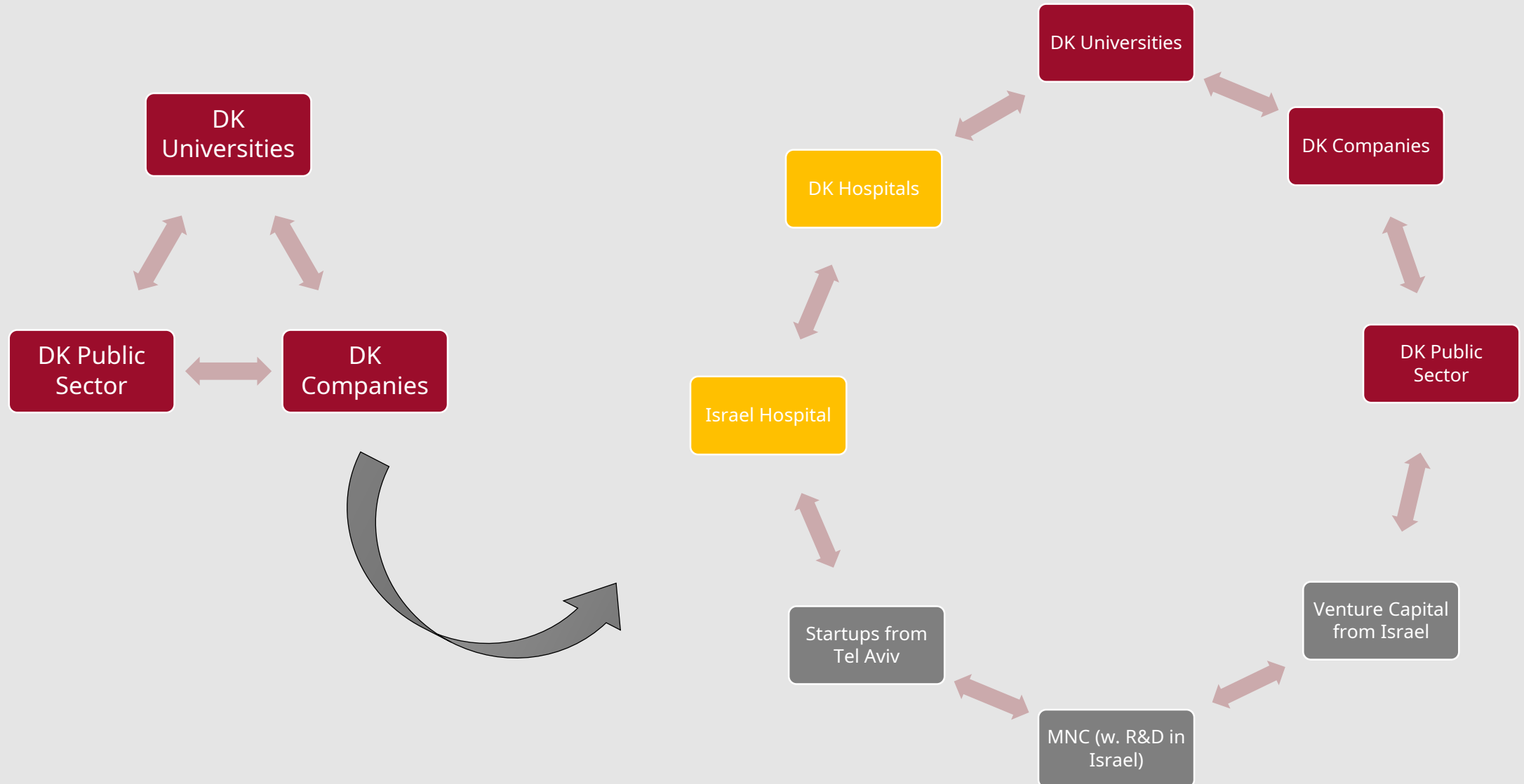


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# LESSONS FROM ISRAEL

# FROM DOMESTIC TRIPLE-HELIX TO GLOBAL ECOSYSTEMS





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**THANK YOU**