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# Outcomes for Health Graduates over the last Decade

**Brian Stanley**

**Department of Health Conference**

**7 November 2023**

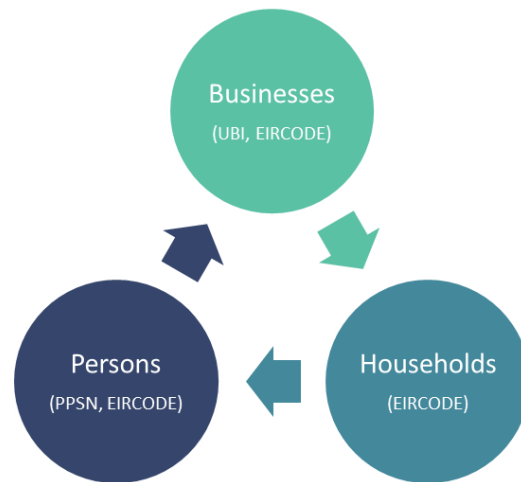
# Overview

- Background / Data Sources / Data Matching Protocol
- Number of Health Graduates
- Outcomes for Health Graduates
- How Many Graduates Emigrate and How Many Return?
- When do Graduates First Emigrate?
- How Long do Graduates Emigrate for?

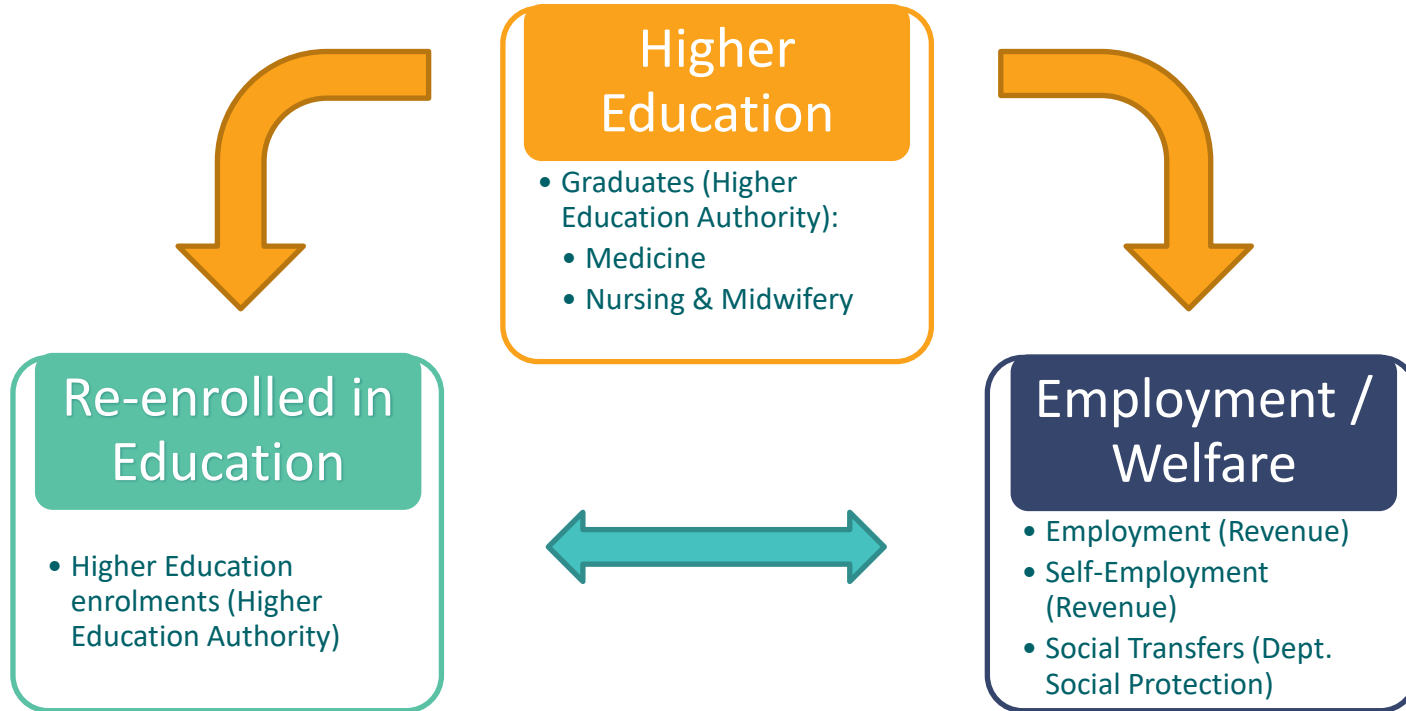


# CSO and the National Data Infrastructure

- Coordination of the Irish Statistical System across the Civil and Public Service.
- Supports deeper analytics and policy development in public bodies.
- Educational Longitudinal Database – statistical framework to analyse learner outcomes from post-primary level to adult education over many years.
- Platform for linking administrative data using unique identifiers:

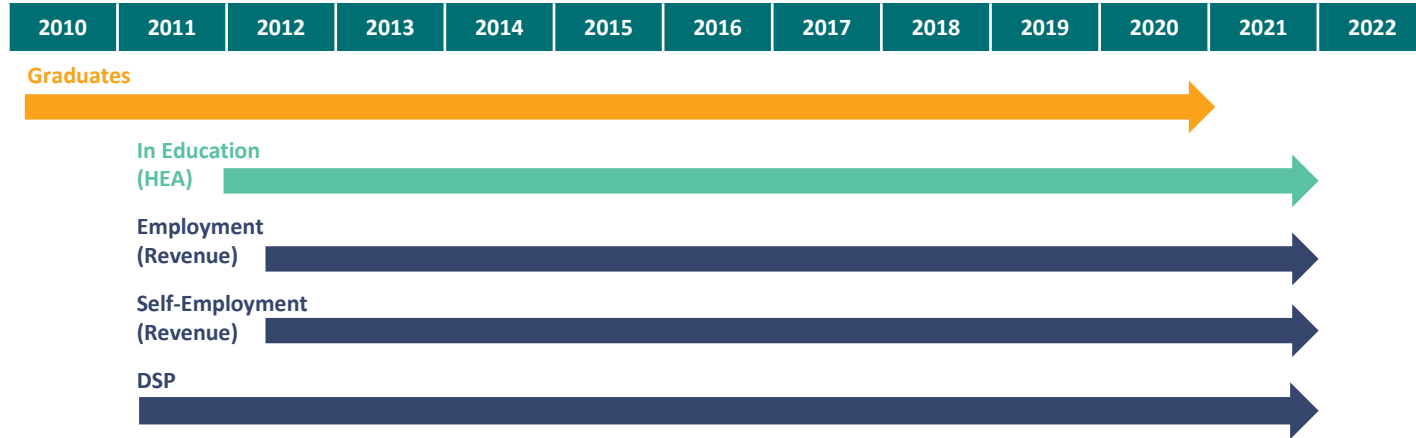


# Data Sources

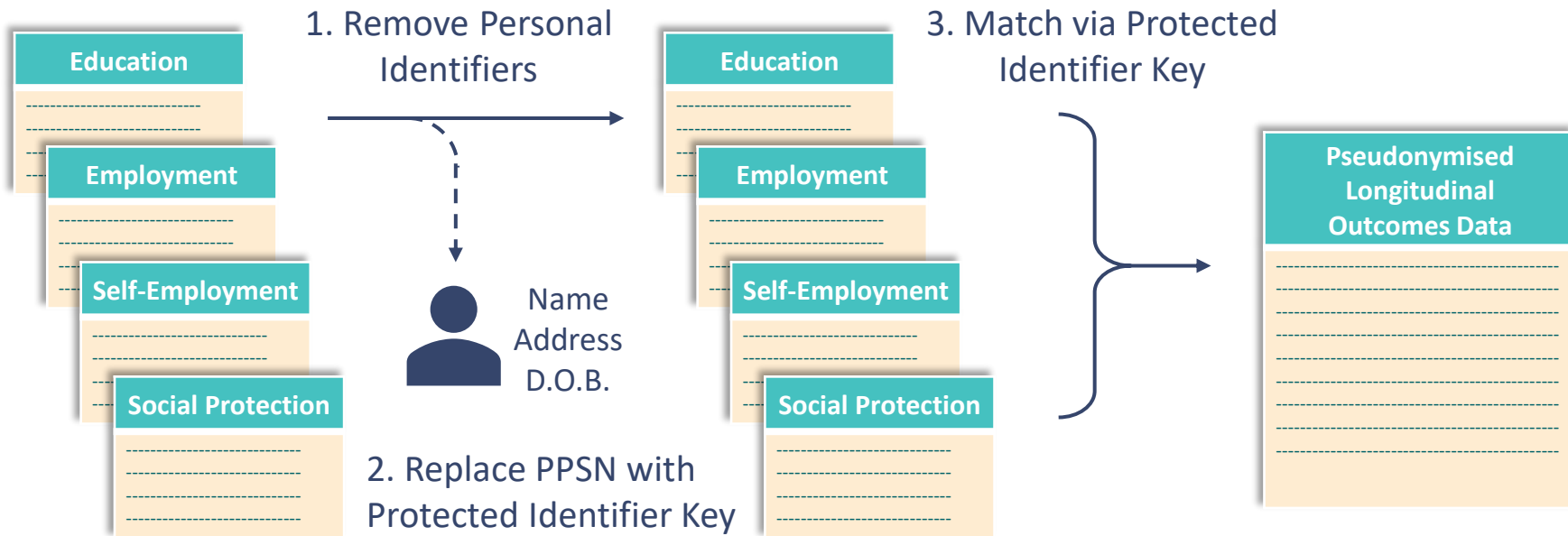


# Timeline of Data Availability

- Graduation cohorts from 2010 to 2020
- Outcomes available from 2011 to 2021



# CSO Data Matching Protocol



# CSO Data Matching Protocol

- Data collected under Section 30 of the Statistics Act, 1993
- Data matching protocol  
(<https://www.cso.ie/en/aboutus/lgdp/csodatapolicies/csodataprotocol/>)
- Access restrictions:
  - Officers of Statistics
  - Access to data sources controlled
- Data minimisation policy
- Transparency – data protocol register  
(<https://www.cso.ie/en/aboutus/lgdp/csodatapolicies/csodataprotocol/csodataprotocolregister/>)





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- **Number of Health Graduates**

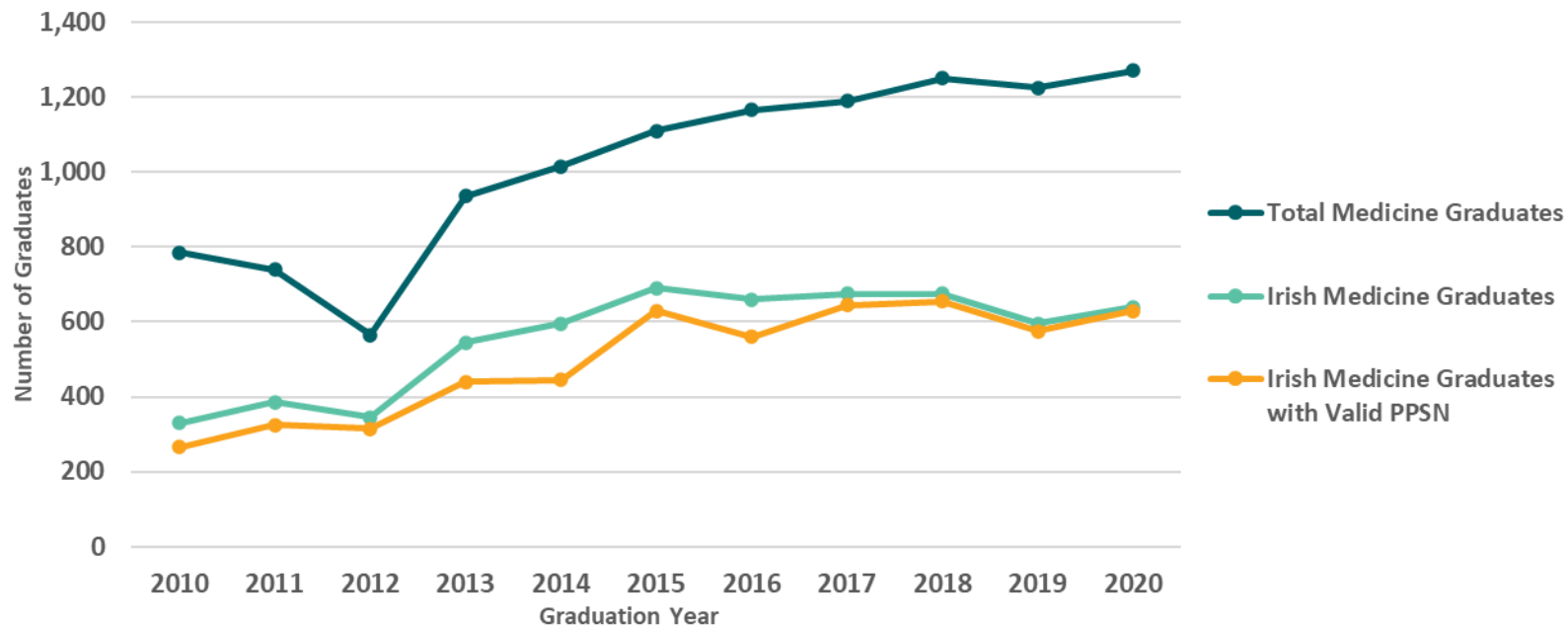


# Cohort Definition

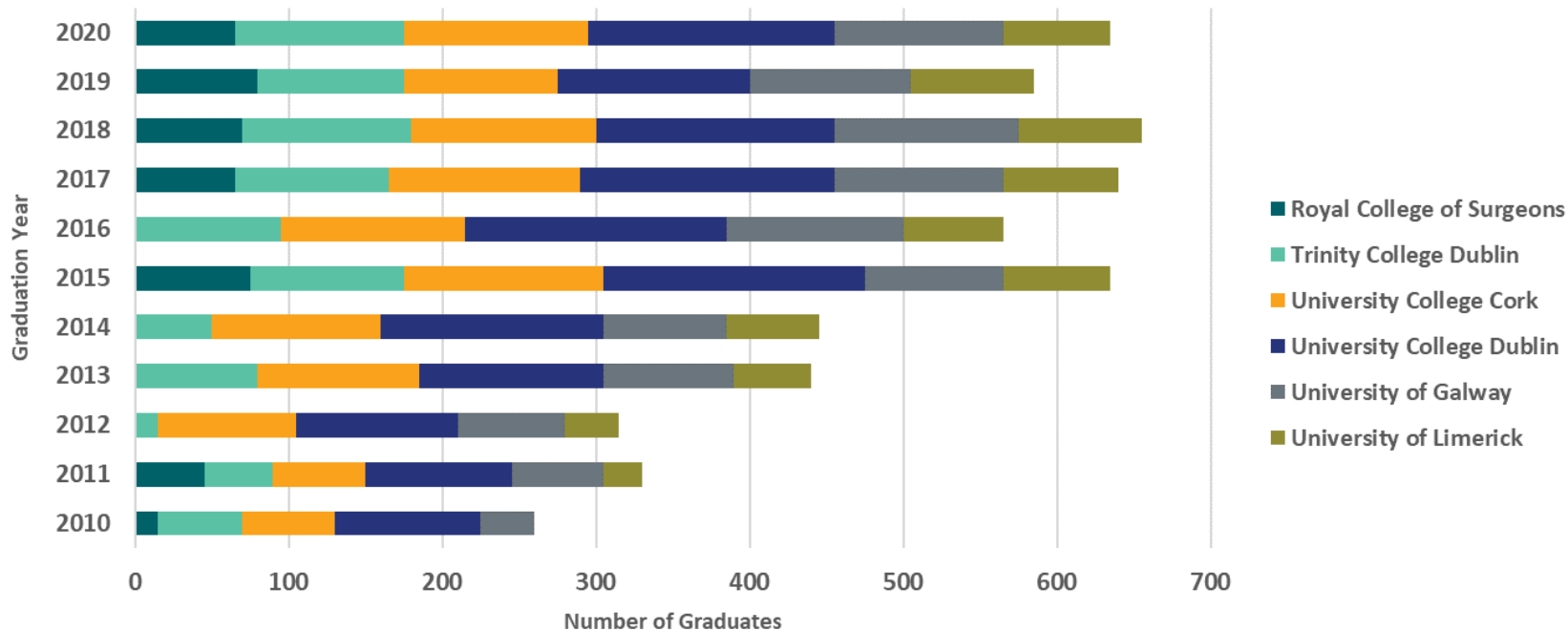
- Medicine and Nursing & Midwifery graduates
- NFQ level 8 undergraduate programs
- Identified using course name, course code and CAO code
- Can only calculate outcomes for graduates with a PPSN
- Non-Irish students get a PPSN only if they are in employment
- Restrict analysis to Irish graduates



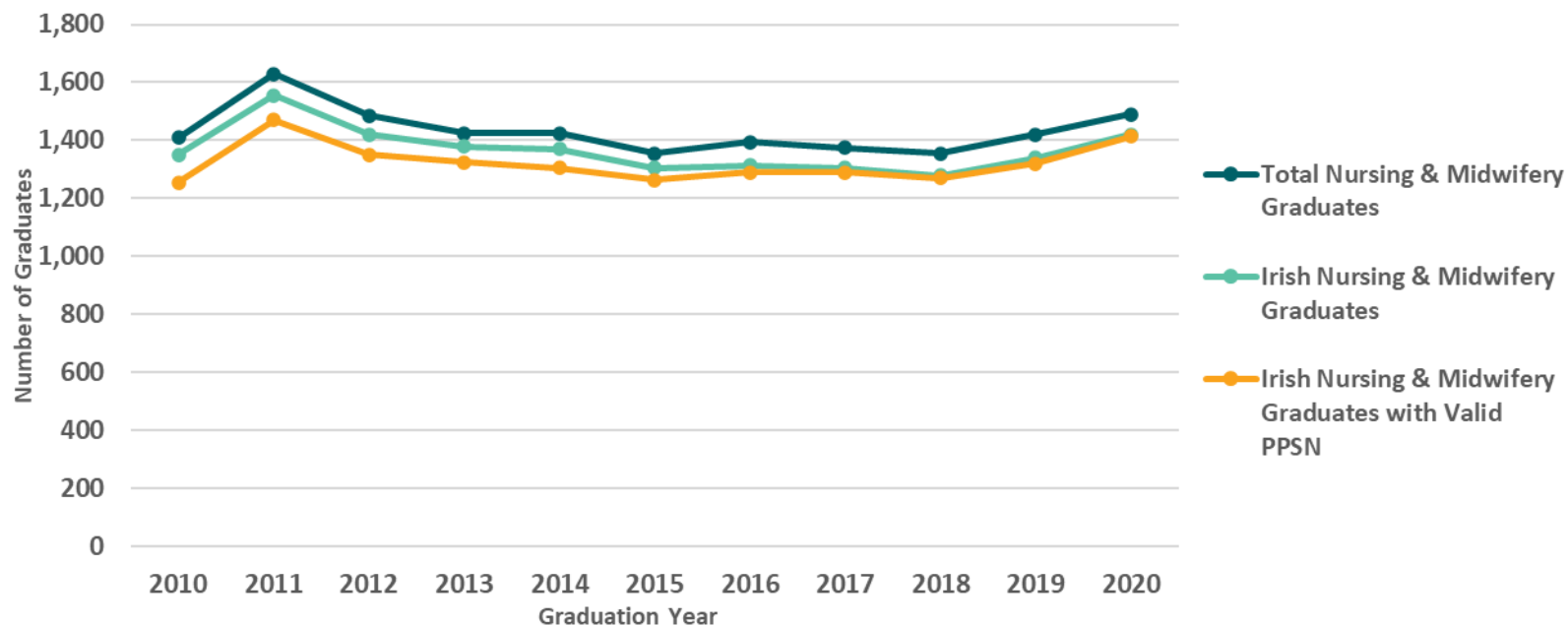
# Number of Graduates - Medicine



# Number of Irish Medicine Graduates by Institution



# Number of Graduates – Nursing & Midwifery





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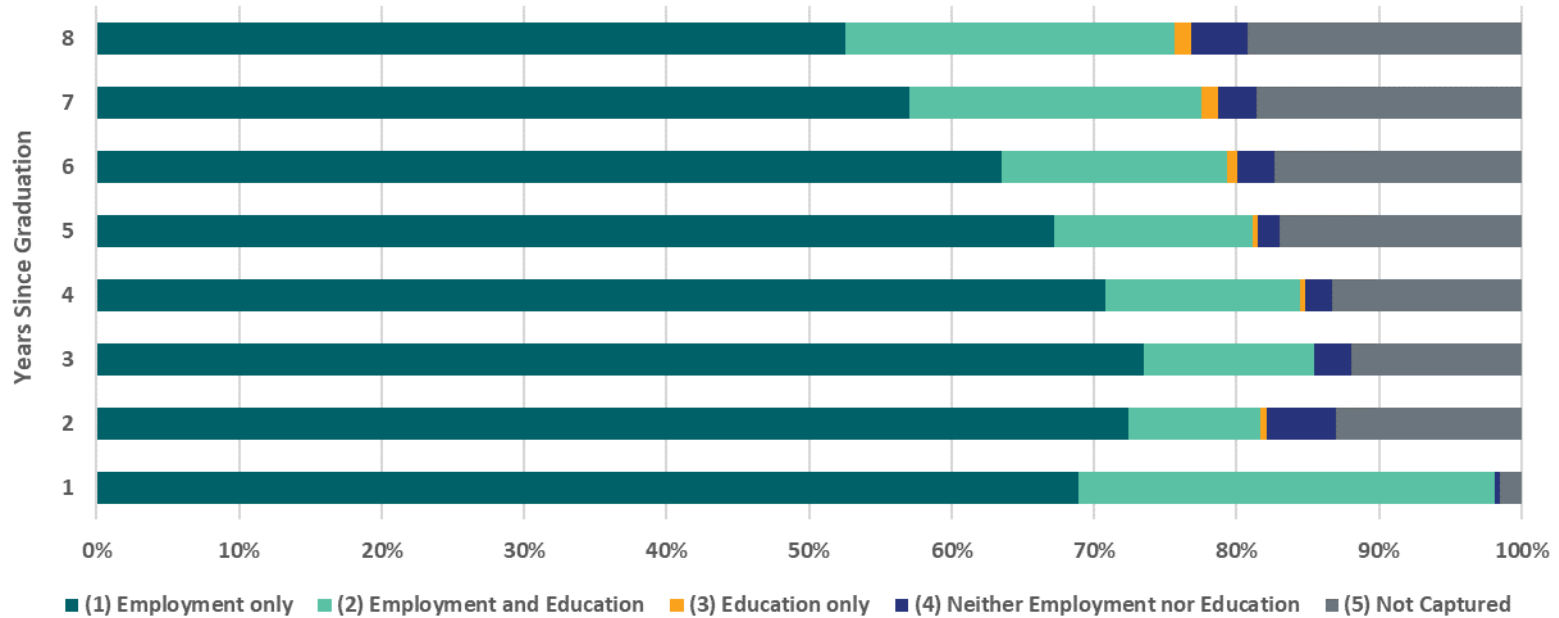
- **Medicine Outcomes**
- **Nursing and Midwifery Outcomes**

# Outcome Definitions

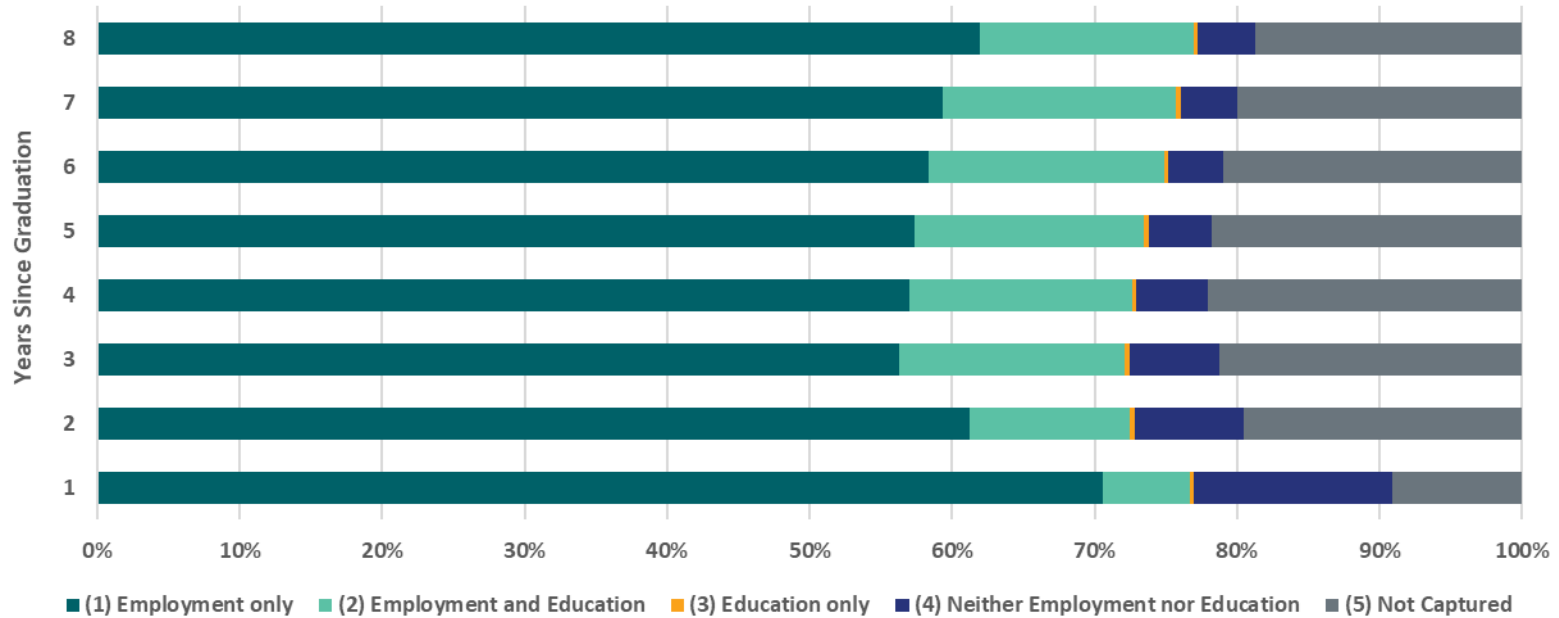
Outcome	Definition
Substantial Employment Only	Min. 12 weeks employment & earning min. €100 per week
Substantial Employment and Education	As above and enrolled in higher education
Education Only	Enrolled in higher education
Neither Employment nor Education	Don't meet criteria above but captured in some data sources
Not Captured	"Presumed" to have emigrated



## Outcomes for 2010 to 2013 graduates - Medicine



# Outcomes for 2010 to 2013 graduates - Nursing & Midwifery







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# How Many Irish Graduates Emigrate for at Least One Year and How Many Return?

## Share of graduates 'not captured' and returned for at least one year - Medicine

Graduation Year	Total Number of Graduates	Number of Graduates 'Not Captured' for at Least One Year	Share of Graduates 'Not Captured' for at Least One Year	Number of Graduates that Returned for at Least One Year	Share of 'Not Captured' Graduates that Returned for at least One Year
2010	265	95	36%	45	47%
2011	325	115	35%	50	43%
2012	315	90	29%	40	44%
2013	440	110	25%	35	32%
2014	445	140	31%	65	46%
2015	630	210	33%	100	48%
2016	560	200	36%	120	60%



## Share of graduates 'not captured' and returned for at least one year - Nursing & Midwifery

Graduation Year	Total Number of Graduates	Number of Graduates 'Not Captured' for at Least One Year	Share of Graduates 'Not Captured' for at Least One Year	Number of Graduates that Returned for at Least One Year	Share of 'Not Captured' Graduates that Returned for at least One Year
2010	1,255	500	40%	325	65%
2011	1,470	505	34%	300	59%
2012	1,350	490	36%	275	56%
2013	1,325	470	35%	255	54%
2014	1,305	395	30%	195	49%
2015	1,265	315	25%	125	40%
2016	1,290	300	23%	100	33%



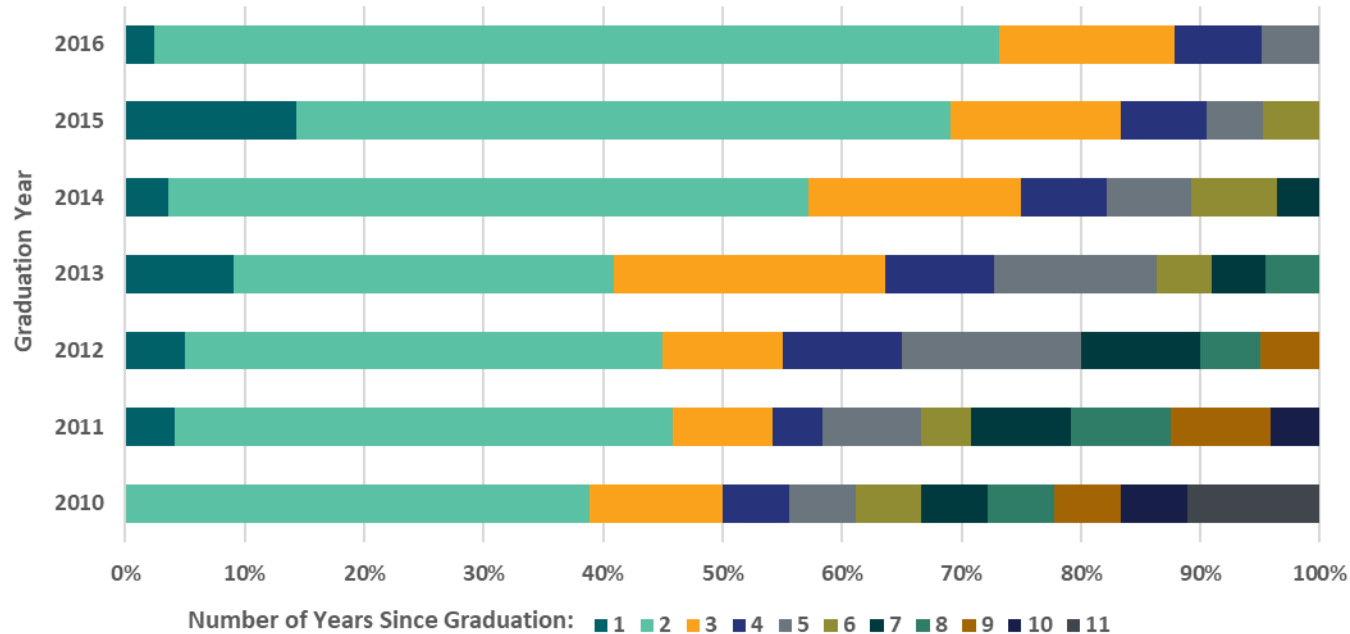


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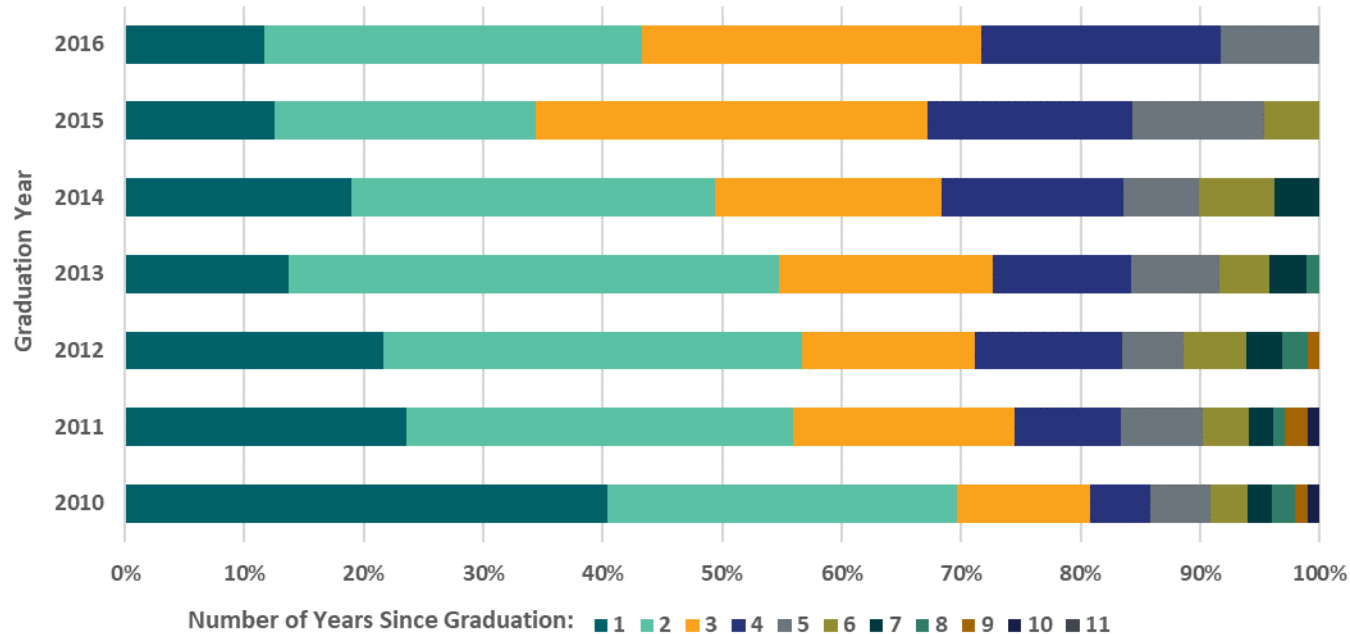
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# When do Graduates First Emigrate?

# Number of years since graduation that Medicine graduates are first 'not captured'



# Number of years since graduation that Nursing & Midwifery graduates are first 'not captured'



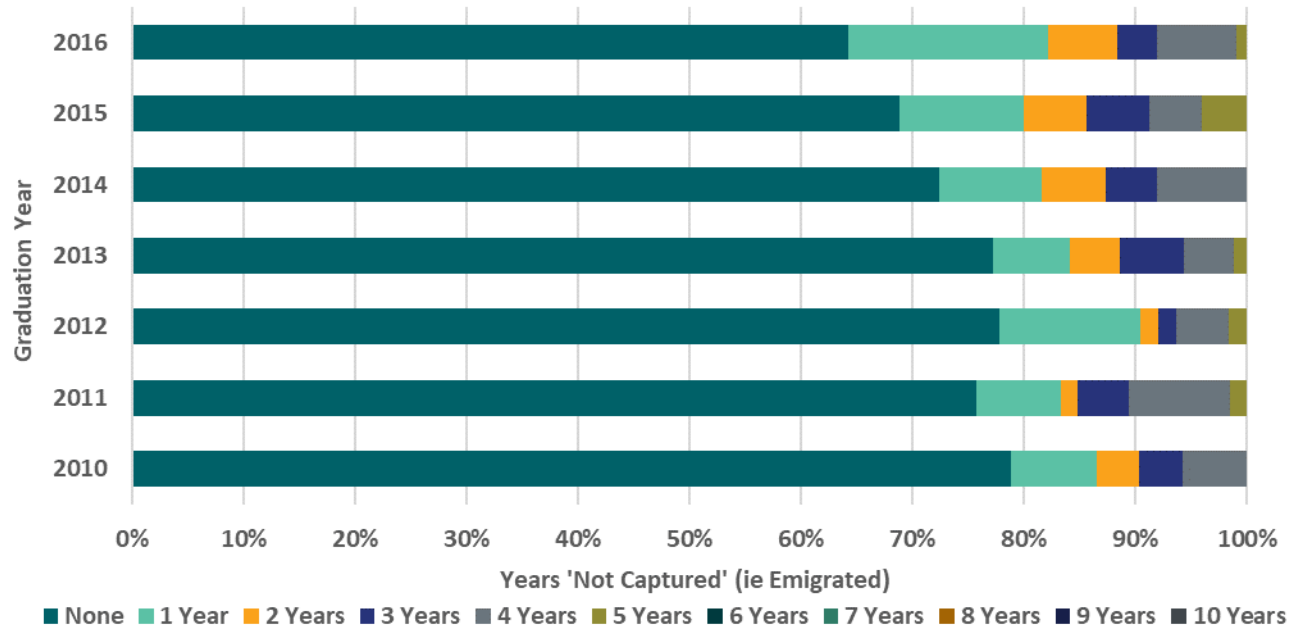


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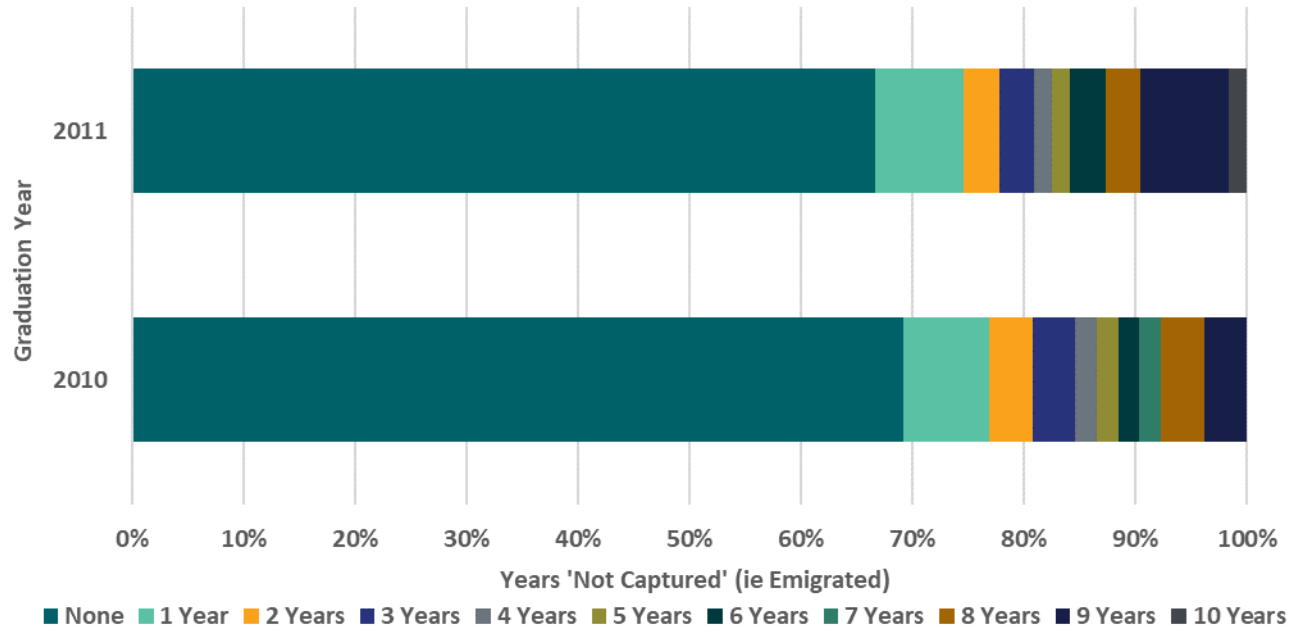
# How Long do Graduates Emigrate for?

# Number of years Medicine graduates are 'not captured' five years after graduation

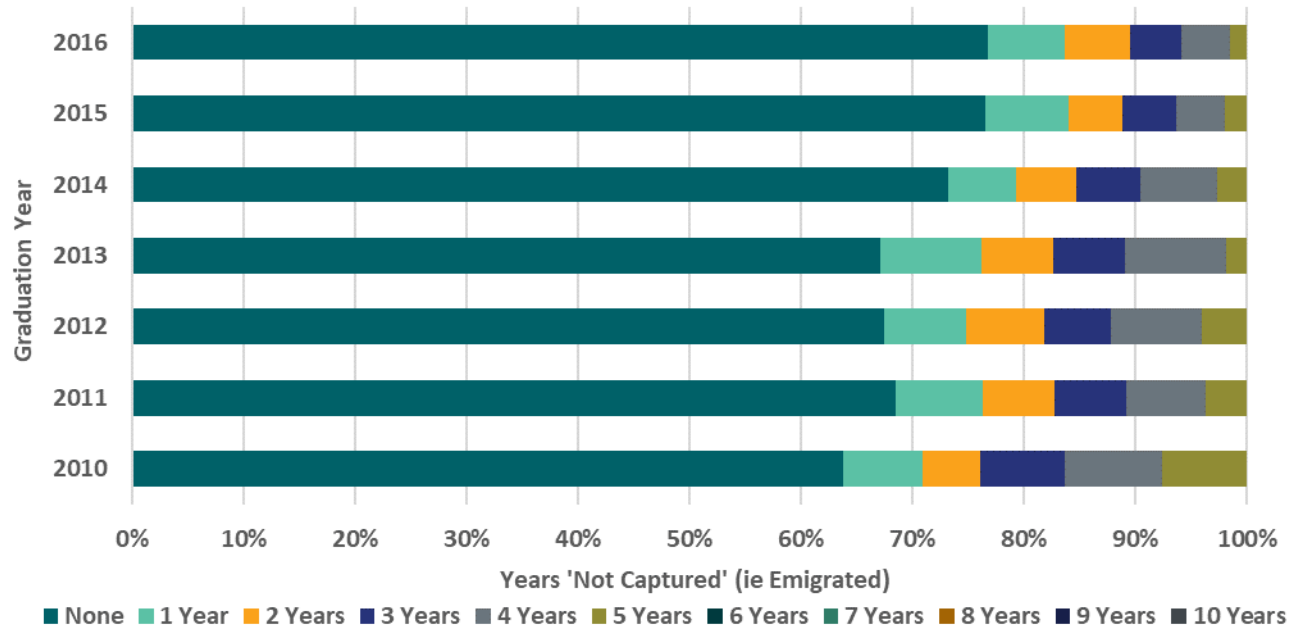




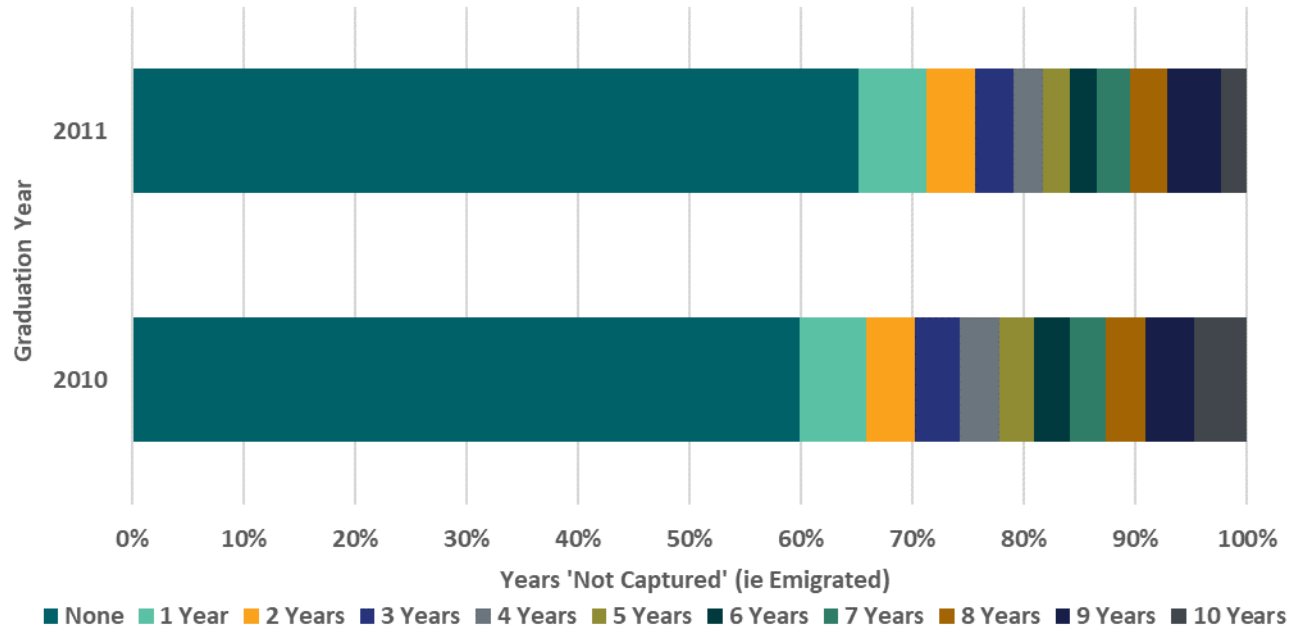
# Number of years Medicine graduates are 'not captured' ten years after graduation



## Number of years Nursing & Midwifery graduates are 'not captured' five years after graduation



## Number of years Nursing & Midwifery graduates are 'not captured' ten years after graduation



# Full Release

- What do health graduates do?
  - <https://www.cso.ie/en/csolatest/releases/>
- Where do health graduates work?
  - Sector of employment
  - Public/Private sector
- What do health graduates earn?
- Release calendar:  
<https://www.cso.ie/en/csolatestnews/releasecalendar/>





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**Questions?**

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