



*cutting through complexity*

# What next for Life Sciences?

**Vir Lakshman**

CEO&CFO Gipfel BioDeutschland  
Reutlingen, Germany

3<sup>rd</sup> December 2015

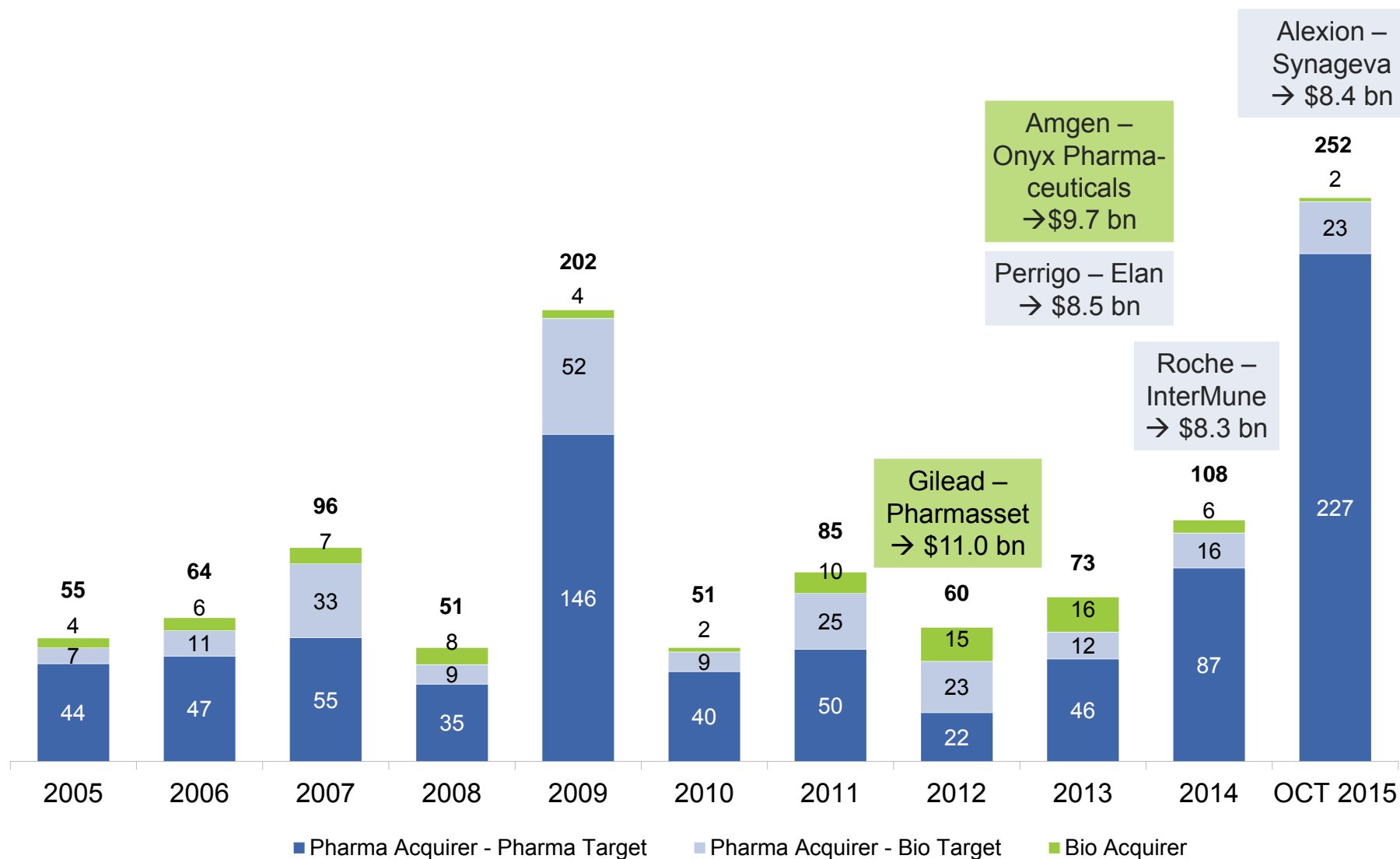


# Big pharma is making deals, not drugs



FINANCIAL TIMES November, 25th 2015

# Life Sciences M&A – completed deals 2005 – 2015 (US\$ bn)



Amgen – Onyx Pharmaceuticals → \$9.7 bn

Perrigo – Elan → \$8.5 bn

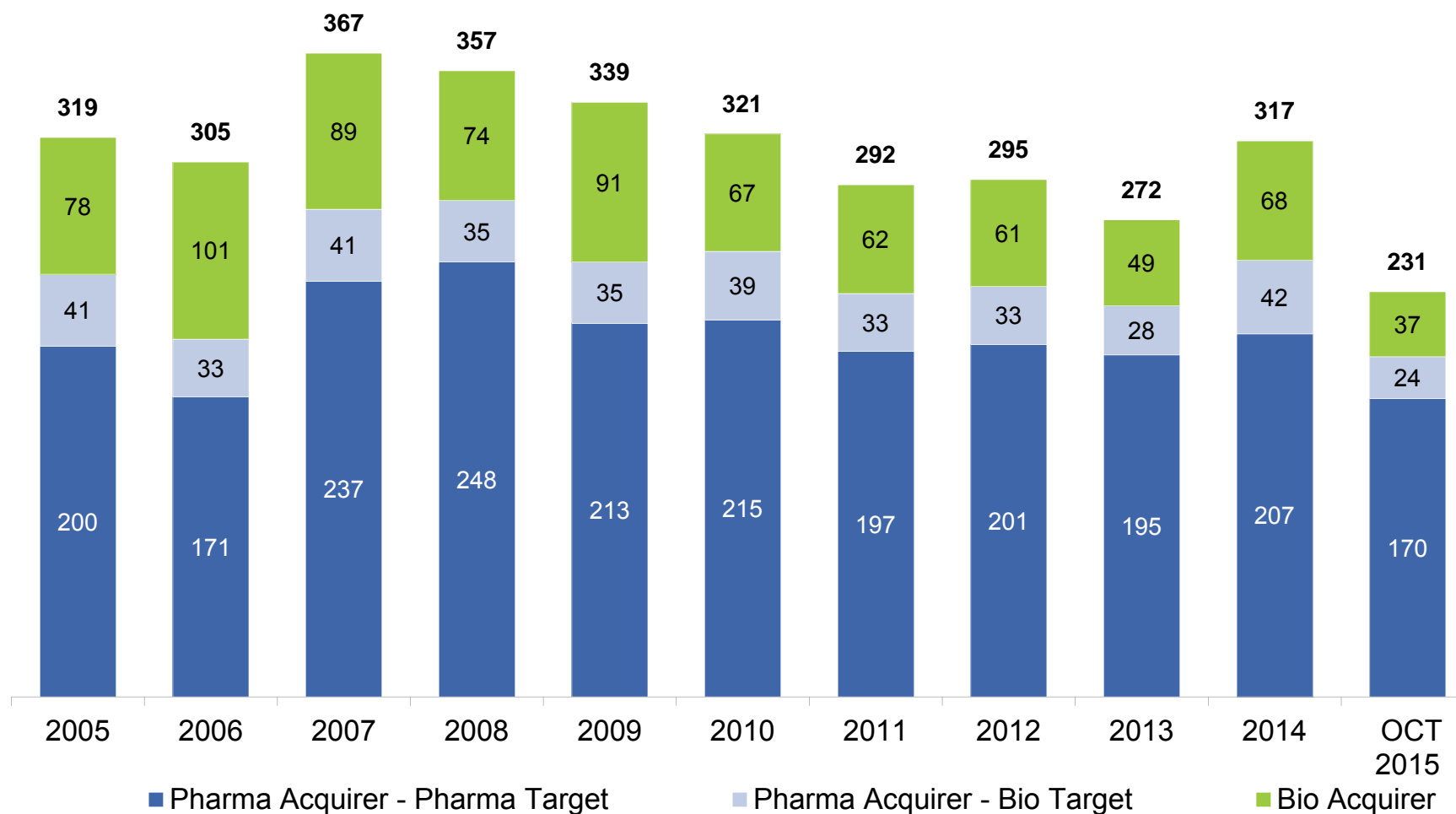
Roche – InterMune → \$8.3 bn

Gilead – Pharmasset → \$11.0 bn

Alexion – Synageva → \$8.4 bn

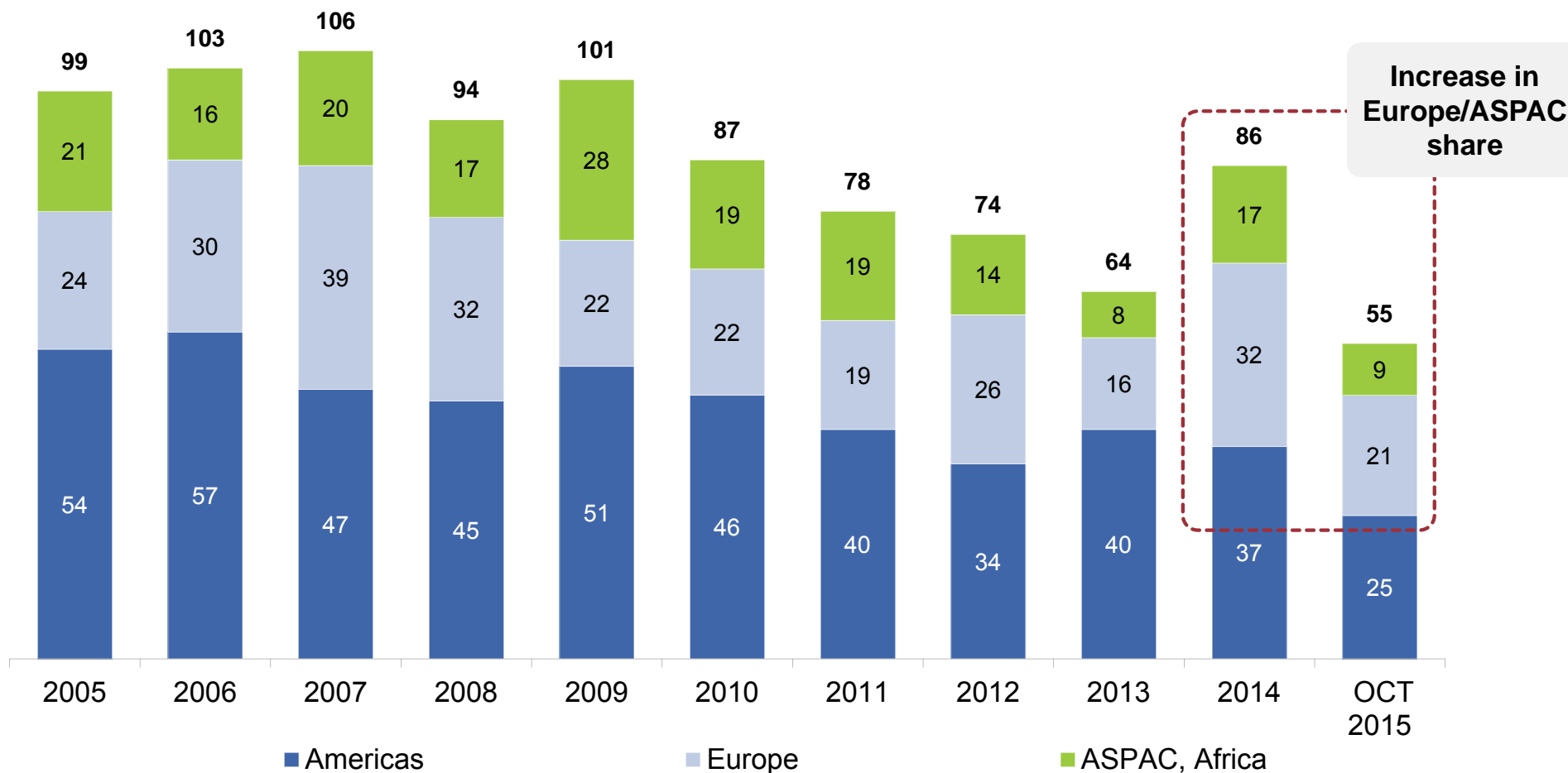
Source: Thomson One – November 2015, KPMG Analysis

# Life Sciences M&A – # of completed deals 2005 – 2015 (by acquirer)



Source: Thomson One – November 2015, KPMG Analysis

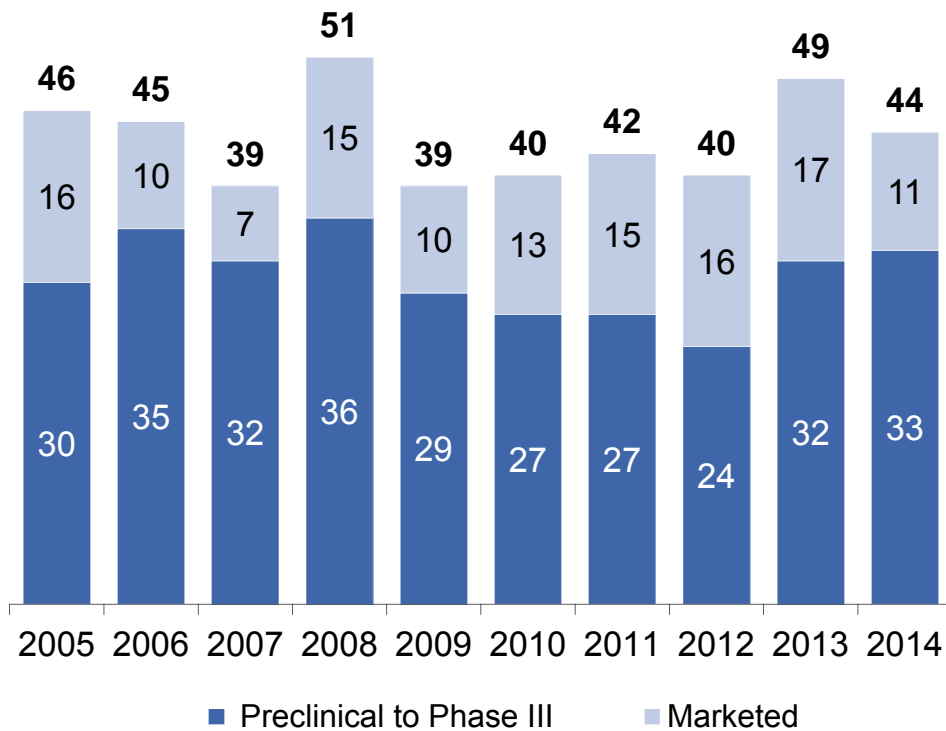
## Biotech M&A – # of completed deals 2005 – 2015 (by region)



Source: Thomson One – November 2015, KPMG Analysis

# Acquisitions of Emerging Therapeutic and R&D Stage companies

Number of acquisitions\*



Deal value in US\$ bn (up-front payments only)\*

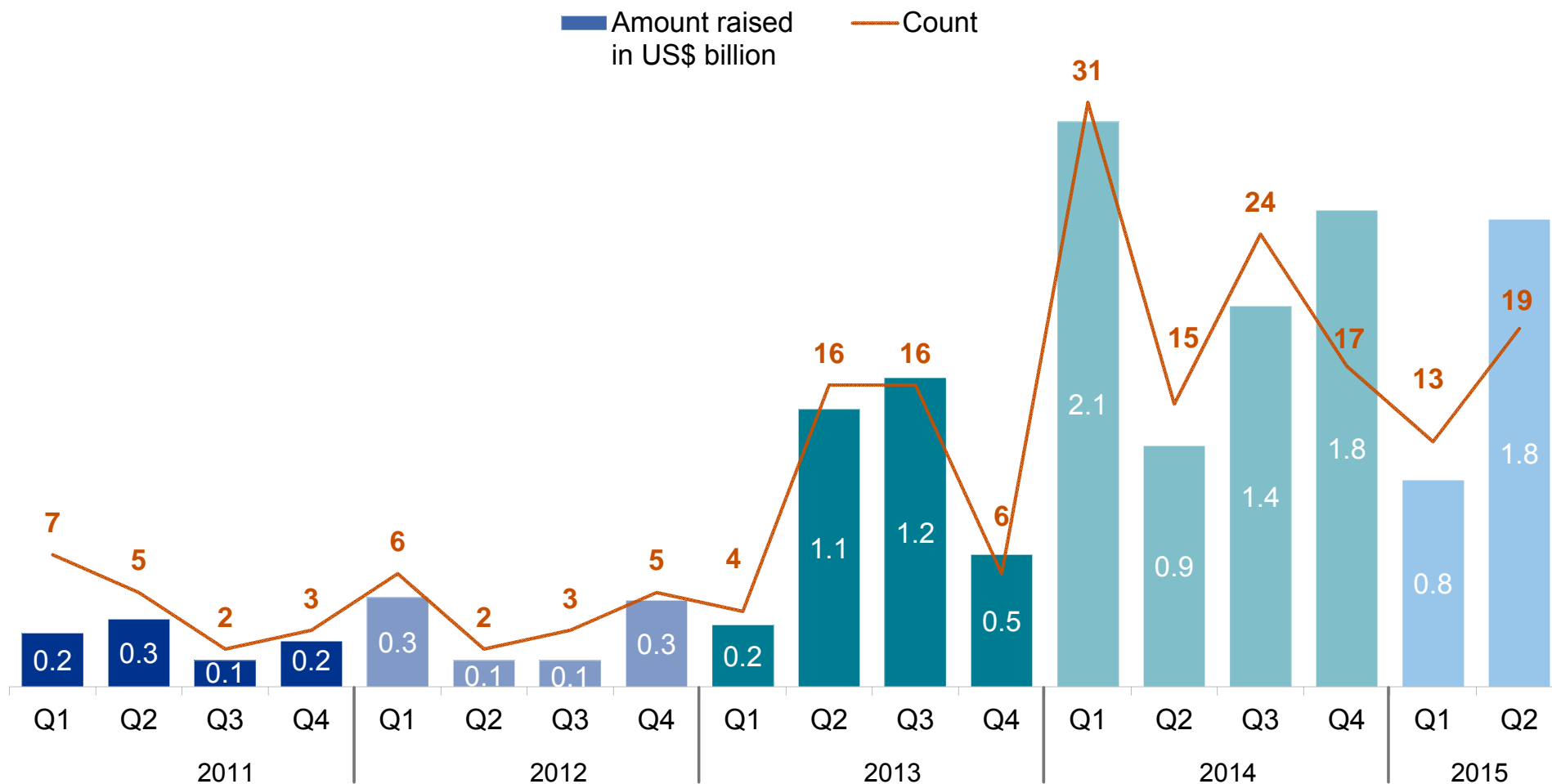


\* Only deals > US\$ 10m

Source: Biotechnology Industry Organization – June 2015, KPMG Analysis

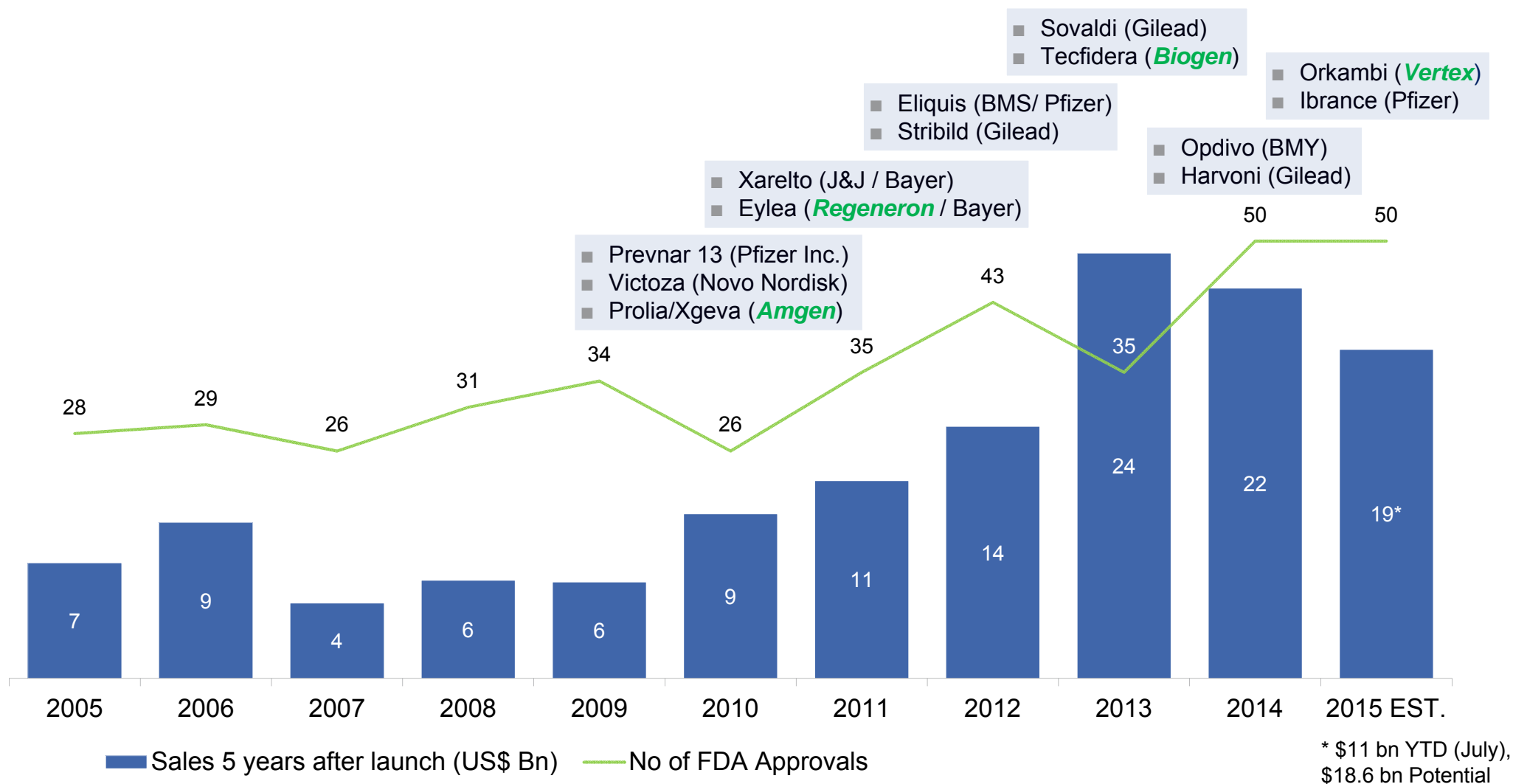


# Biotech IPOs on Western Exchanges – \$ raised & number of IPOs



Source: Evaluate Pharma – July 2015, KPMG Analysis

# FDA approvals and projected US\$ sales 5 years after launch

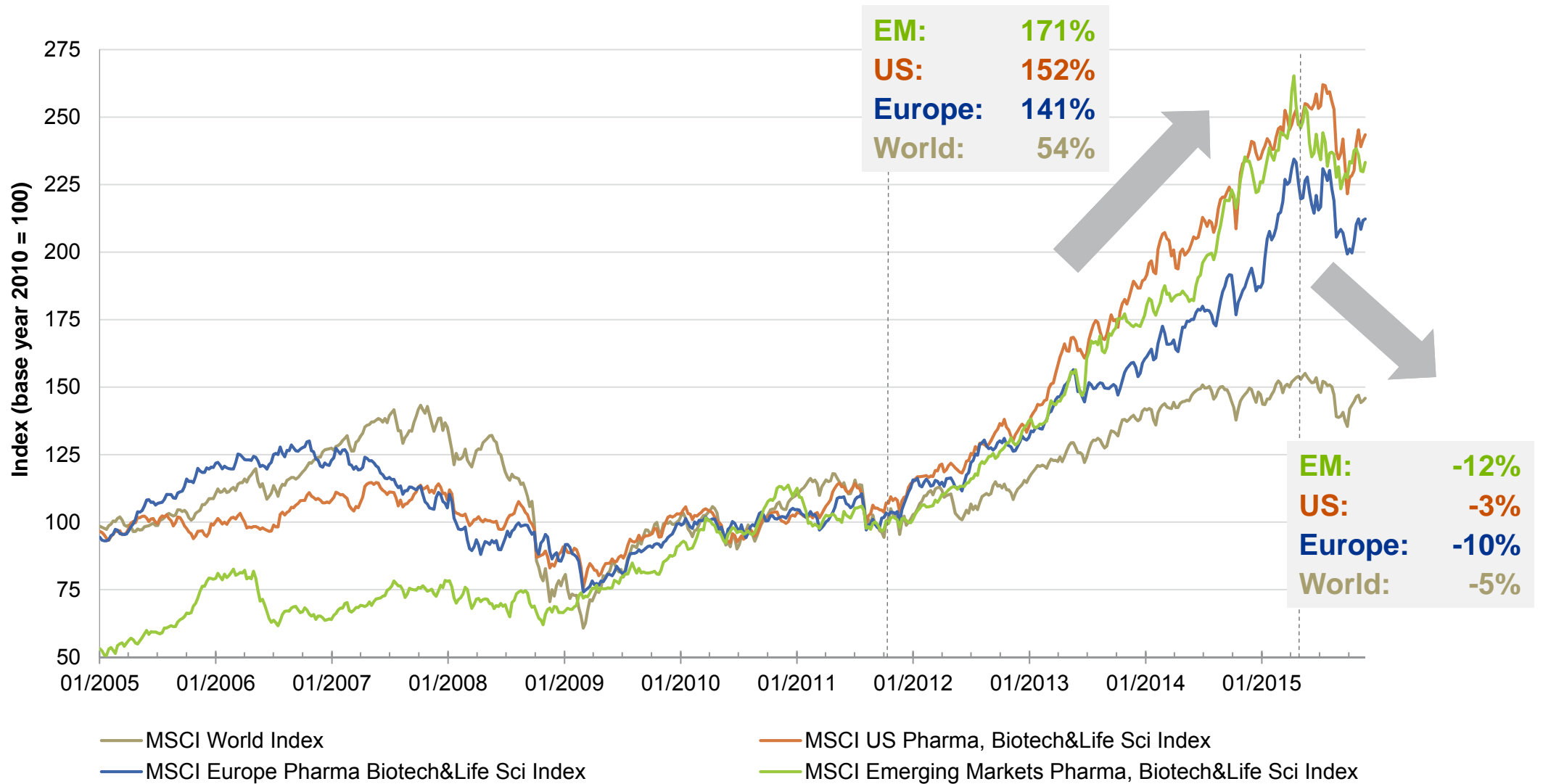


**Biotechnology companies are italicized**

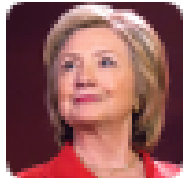
Source: Evaluate Pharma – July 2015, KPMG Analysis



# Development of regional Life Sciences indices 2005-2015



Source: Bloomberg – November 2015



**Hillary Clinton** ✓

@HillaryClinton

 **Folgen**

Price gouging like this in the specialty drug market is outrageous. Tomorrow I'll lay out a plan to take it on. -H

**The New York Times** @nytimes

Overnight, the price of a 62-year-old drug jumped to \$750 a tablet from \$13.50  
[nyti.ms/1PgyCpC](https://nyti.ms/1PgyCpC)



## FEE FOR SERVICE

## VALUE-BASED PRICING

Traditional volume-based fee-for-service payment

- Payment for visit
- Payment for prescription
- Payment for surgery

Outcome and patient-centric metrics for payment

- All-inclusive care packages (e.g. a year of diabetes care)

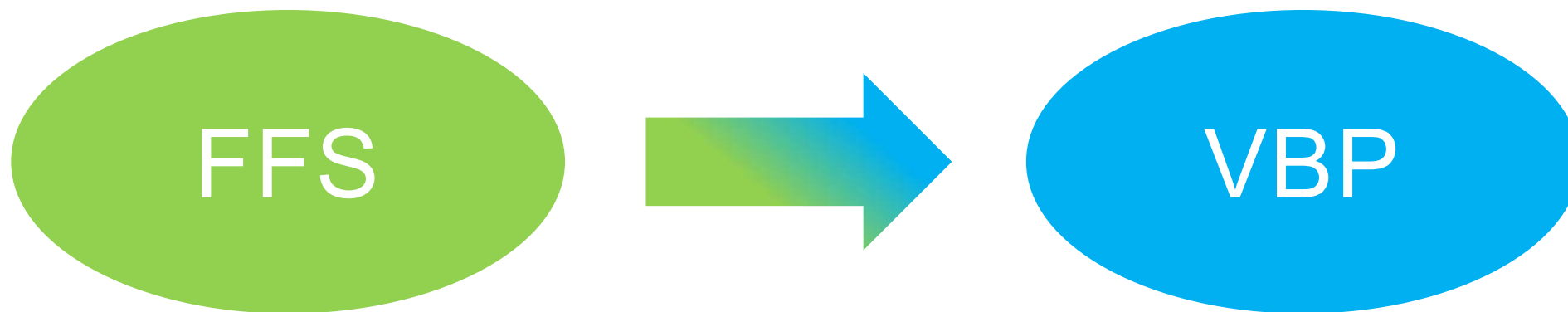
A large, solid blue oval shape centered on the slide, containing the text 'DSRIP' in white, bold, sans-serif capital letters.

## DSRIP

## Delivery System Reform Incentive Payment

- Transformation of the NYS Medicaid Healthcare Delivery System
- Improve core population
- Improve patient outcomes
- $\geq 90\%$  value-based payments by 2020

## When is VBP appropriate?



- Evidence-based, outcome-focused disease management
- No generic versions
- Need to differentiate products
- Reimbursement challenges require innovative pricing strategy

# VBP needs Real World Evidence



# Real World Evidence along the Life Sciences value chain



REVISITING  
FAILED DRUGS

3-D PRINTING

BUSINESS  
INTELLIGENCE



PERSONALISED  
MEDECINE

patientslikeme<sup>®</sup>



Population

Discovery and  
Development

Manufacturing

Sales &  
Marketing

Patient



BETTER TRIAL  
DESIGN AND  
ANALYSIS

PREVENTIVE  
MEDECINE

PRODUCT  
PERFORMANCE



ADVANCED  
ANALYTICS



**Deal Capsule**  
Transactions in Chemicals & Pharmaceuticals  
October 2015

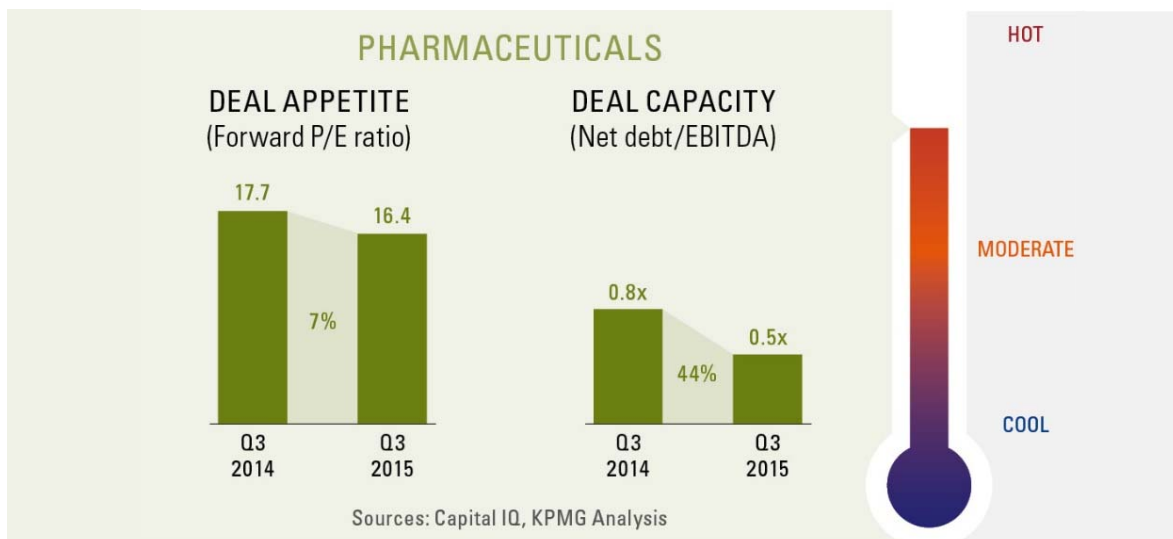
**KPMG**  
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“ The deal frenzy in Life Sciences continues into the second half with the announcement of further mega mergers.”

VIR LAKSHMAN | HEAD OF CHEMICALS & PHARMACEUTICALS, KPMG IN GERMANY

## Deal drivers

- Market consolidation
- Asset swaps
- Portfolio shifts / optimization
- Patent cliff
- Strong valuations
- Geographic expansion
- Cheap funding
- Tax inversion



THANK YOU

