



NOVEL TREATMENTS FOR KIDNEY DISEASE

Corporate Presentation
July 2026

Forward Looking Statements

This presentation contains certain “forward-looking” statements that are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical or present facts, are forward-looking statements, including statements regarding our future financial condition, future revenues, projected costs, prospects, business strategy, and plans and objectives of management for future operations, including our plans for clinical trials and plans to submit for regulatory filings. In some cases, you can identify forward-looking statements by terminology such as “believe,” “will,” “may,” “might,” “estimate,” “continue,” “anticipate,” “intend,” “target,” “project,” “model,” “should,” “would,” “plan,” “expect,” “predict,” “could,” “seek,” “goal,” “potential,” or the negative of these terms or other similar terms or expressions that concern our expectations, strategy, plans, or intentions. These statements are based on our intentions, beliefs, projections, outlook, analyses, or current expectations using currently available information, and are not guarantees of future performance, and involve certain risks and uncertainties. Although we believe that the expectations reflected in these forward-looking statements are reasonable, we cannot assure you that our expectations will prove to be correct. Therefore, actual outcomes and results could materially differ from what is expressed, implied, or forecasted in these statements. Any differences could be caused by a number of factors including but not limited to: our expectations regarding the timing, costs, conduct, and outcome of our clinical trials, including statements regarding the timing of the initiation and availability of data from such trials; the timing and likelihood of regulatory filings and approvals for our product candidates; whether regulatory authorities determine that additional trials or data are necessary in order to obtain approval; our ability to obtain funding for our operations, including funding necessary to complete further development and commercialization of our product candidates; our plans to research, develop, and commercialize our product candidates; the commercialization of our product candidates, if approved; the rate and degree of market acceptance of our product candidates; our expectations regarding the potential market size and the size of the patient populations for our product candidates, if approved for commercial use, and the potential market opportunities for commercializing our product candidates; the success of competing therapies that are or may become available; our expectations regarding our ability to obtain and maintain intellectual property protection for our product candidates; the ability to license additional intellectual property relating to our product candidates and to comply with our existing license agreements; our ability to maintain and establish relationships with third parties, such as contract research organizations, suppliers, and distributors; our ability to maintain and establish collaborators with development, regulatory, and commercialization expertise; our ability to attract and retain key scientific or management personnel; our ability to grow our organization and increase the size of our facilities to meet our anticipated growth; the accuracy of our estimates regarding expenses, future revenue, capital requirements, and needs for additional financing; our expectations related to the use of our available cash; our ability to develop, acquire, and advance product candidates into, and successfully complete, clinical trials; the initiation, timing, progress, and results of future preclinical studies and developments and projections relating to our competitors and our industry.

Additional factors that could cause actual results to differ materially from our expectations can be found in our Securities and Exchange Commission filings. Moreover, we operate in a very competitive and rapidly changing environment. New risk factors emerge from time to time, and it is not possible for our management to predict all risk factors, nor can we assess the effects of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in, or implied by, any forward-looking statements. All forward-looking statements included in this presentation are expressly qualified in their entirety by these cautionary statements. The forward-looking statements speak only as of the date made and, other than as required by law, we undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

The company obtained the industry, market and competitive position data used throughout this presentation from its own internal estimates and research, as well as from industry and general publications, and research, surveys and studies conducted by third parties. Internal estimates are derived from publicly available information released by industry analysts and third-party sources, the company's internal research and our industry experience, and are based on assumptions made by the company based on such data and its knowledge of the industry and market, which the company believes to be reasonable. In addition, while the company believes the industry, market and competitive position data included in this presentation is reliable and based on reasonable assumptions, the company has not independently verified any third-party information, and all such data involve risks and uncertainties and are subject to change based on various factors.

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Key Investment Highlights

Corporate Overview

- Diversified portfolio focused on kidney disease
 - **Lead asset OLC** for the treatment of hyperphosphatemia in chronic kidney disease patients on dialysis
 - UN-494 in development for the treatment of acute kidney injury
- **Strong IP Protection**
- Seasoned management team with track record of developing and commercializing kidney drugs
- **Cash runway into 2027**

OLC Opportunity

- Hyperphosphatemia represents >\$1B US market opportunity
- Potential best-in-class product profile for the treatment of hyperphosphatemia
 - **High Potency:** strong phosphate binding capacity of lanthanum
 - **Low Pill Burden:** smaller and fewer pills than other phosphate binders
 - **Palatable Formulation:** swallowed whole with water and not chewed
- Approval expected in the near-term

OLC Launch Readiness

- Reimbursement landscape expands OLC market opportunity
- **Executing on OLC launch priorities**
 - Sales force preparation—territory alignment and rep onboarding plan
 - Marketing plan—advertising, digital communications, earned media
 - Key medical congress activities
 - Advocacy relations
 - Establishing reimbursement services hub
 - Commercial operations & logistics



Source: Palatability/Preferences to swallow vs chew: Data on file, Unicycive Therapeutics, Inc. Lanthanum Potency: Daugirdas JT, et al. "The Phosphate Binder Equivalent Dose." Seminars in Dialysis. 2011;24(1):41–49. Pill Burden: Gupta S, Jermasek D, Hasal S, Mourya SS, Reddy G. Oxylanthanum Carbonate Achieves Serum Phosphate Control with Significantly Lower Pill Burden in Patients with Hyperphosphatemia on Dialysis: TH-PO0506. Journal of the American Society of Nephrology. 2025;36(10S):10.1681/ASN.2025vd06w6ga.

OLC NDA Update



Unicycive is in ongoing discussion with the FDA regarding label and packaging



The CRL is based on third-party manufacturing deficiencies



FDA expected to conduct inspection of third-party manufacturing vendor in the near-term



Cash runway into 2027 expected to support potential FDA approval and launch of OLC



Unicycive is Focused on Developing New Treatment Options for Kidney Diseases

PIPELINE

PROGRAM	INDICATION	PRE-CLINICAL	PHASE 1	PHASE 2	PHASE 3	APPROVAL
OLC	Hyperphosphatemia	505(b)(2)				Approval expected in the near-term
UNI-494	Acute Kidney Injury (AKI)					
UNI-494	Chronic Kidney Disease (CKD)					





LEAD PROGRAM

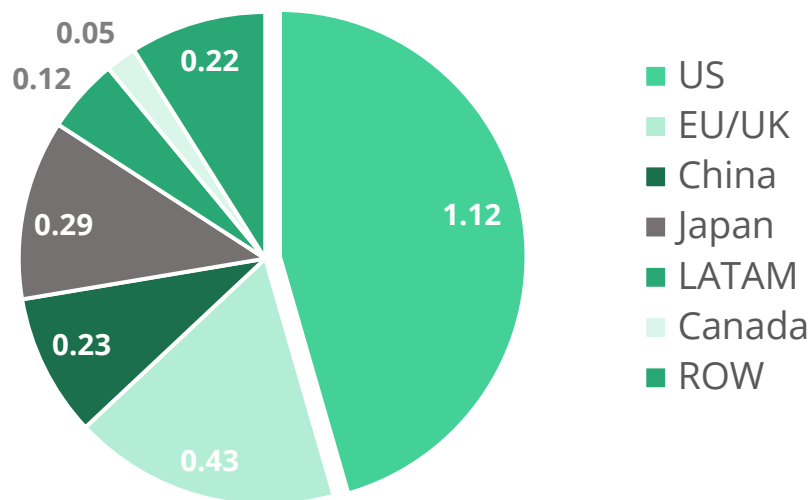
Oxylanthanum Carbonate (OLC)

For the Treatment of Hyperphosphatemia in Chronic Kidney Disease (CKD) Patients on Dialysis

Oxylanthanum carbonate (OLC) is an unapproved investigational new drug being developed under FDA's 505(b)(2) regulatory pathway. If approved, OLC will share substantially the same product label and prescribing information as the reference-listed drug (RLD) Fosrenol (lanthanum carbonate) with the exception that OLC tablets are smaller in size and swallowed whole with water and not chewed.

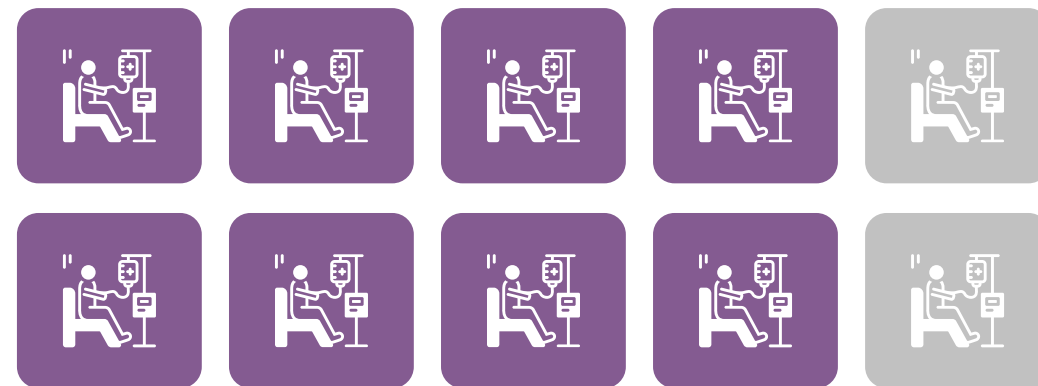
Hyperphosphatemia is a Large and Growing Market Opportunity

WORLDWIDE SALES



\$2.5 Billion in 2021 (5.3% CAGR) | Unicycive owns worldwide rights | US market over \$1 billion

8 out of 10 US Dialysis Patients Receive Phosphate Binders for Hyperphosphatemia



>550,000 US dialysis patients in 2020 (3% growth rate)

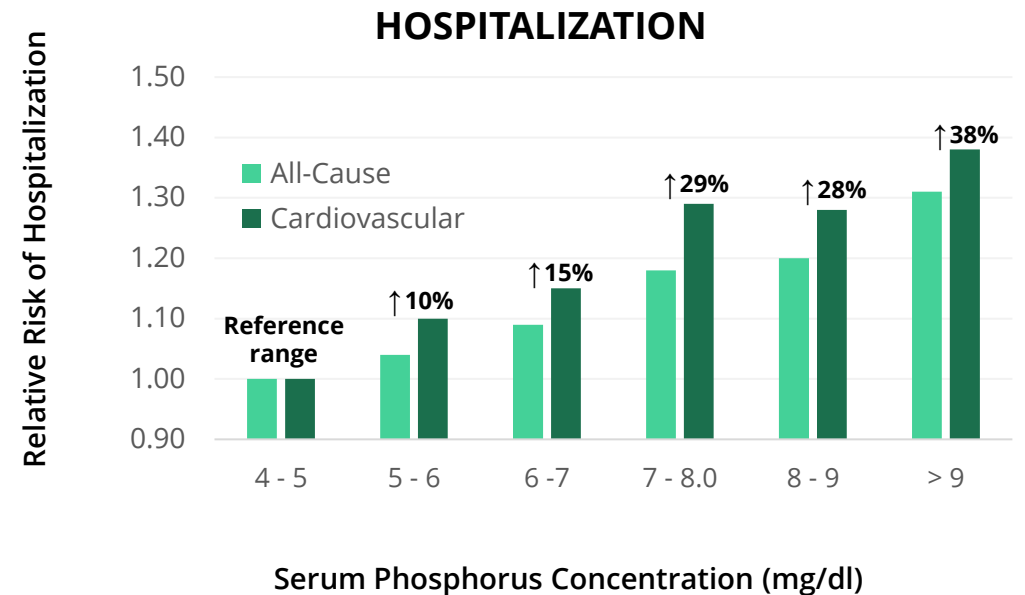
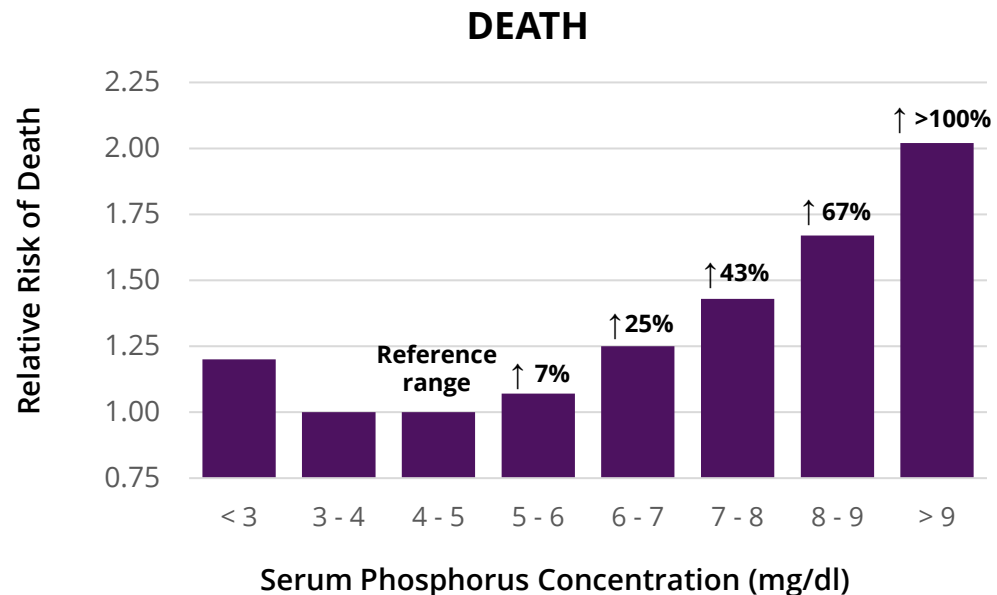
>450,000 (80%) receiving phosphate binders for hyperphosphatemia

Source: Flythe JE. Dialysis-Past, Present, and Future: A Kidney360 Perspectives Series. Kidney360. 2023 May 1;4(5):567-568. doi: 10.34067/KID.0000000000000145.



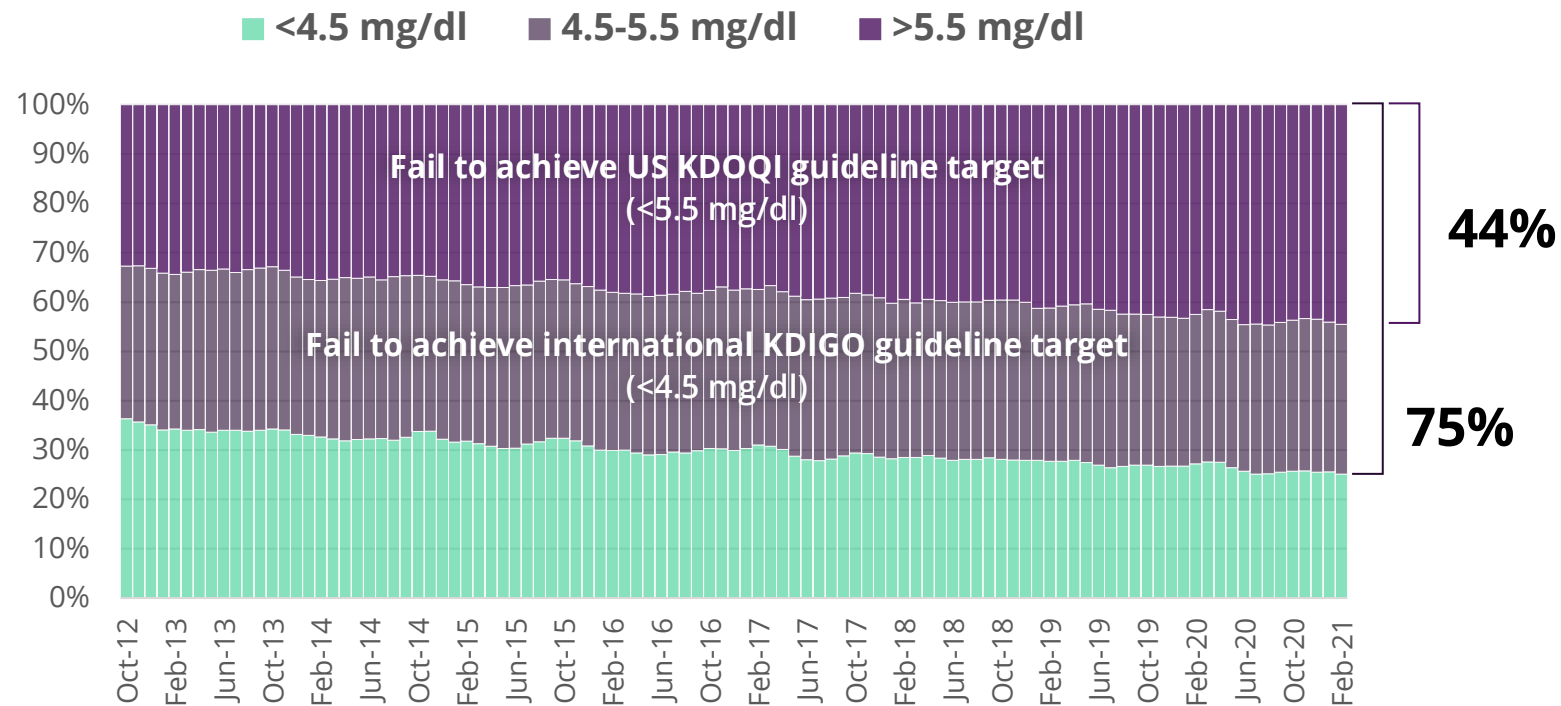
Source: Fortune Business InsightsTM, Hyperphosphatemia Treatment Market, 2021-2028.

Uncontrolled Hyperphosphatemia is Strongly Associated with Increased Death and Hospitalization



The Unmet Need in Hyperphosphatemia

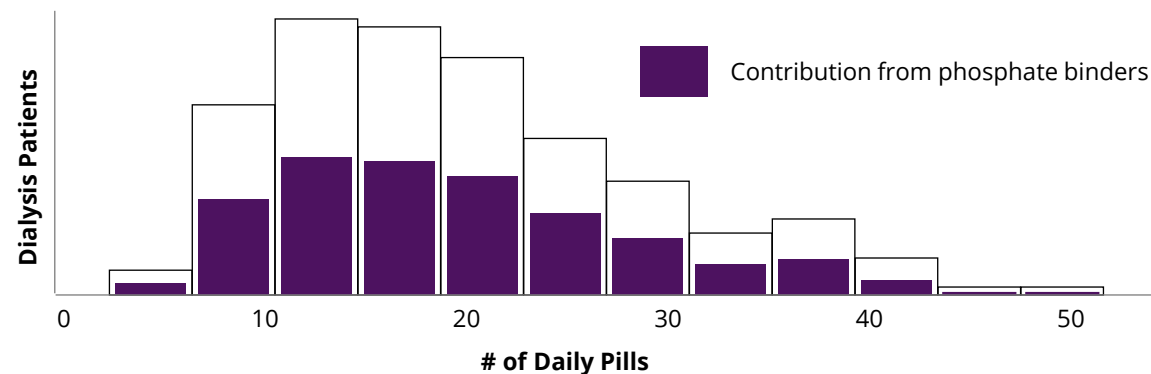
Serum Phosphorus (3-month Average)



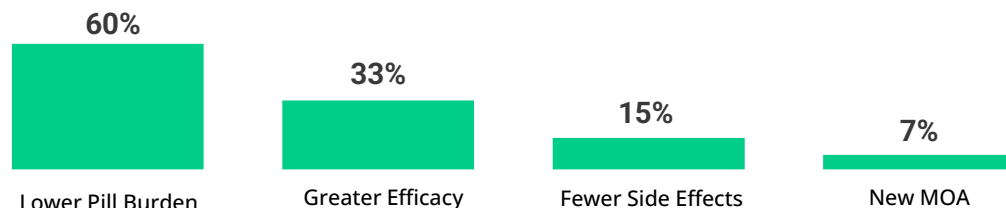
Despite the availability of 6 FDA-approved phosphate binders, a large percentage of patients fail to achieve serum phosphorus targets

Addressing the Problem of Excessive Pill Burden

Distribution of Dialysis Patient Daily Pill Burden



Greatest Unmet Need in Hyperphosphatemia Management (unaided)



N = 100 US Nephrologists

Daily pill burden for maintenance dialysis patients is among the highest across various chronic disease states including HIV/AIDS, diabetes mellitus, and congestive heart failure

- **19** pills per day (median)
- **49%** of pill burden from phosphate binders
- Higher pill burden is independently associated with lower quality of life scores (HR-QOL)
- **62%** of patients are non-adherent (self-reported)
- Nephrologists report that lower pill burden is the greatest unmet need

“Ideally, we would have phosphate binders with high phosphate-binding capacity (translating into low pill burden and good patient adherence)...**we still do not have such a phosphate binder.**”

Juergen Floege, MD, Nephrologist, Executive Committee Member, KDIGO CKD-MBD Guidelines



Oxylanthanum Carbonate (OLC) Product Profile

Overview

Potential best-in-class product being developed under FDA's 505(b)(2) regulatory pathway for the treatment of hyperphosphatemia with strong global IP protection

- **High Potency:** strong phosphate binding capacity of lanthanum
- **Low Pill Burden:** smaller and fewer pills than other phosphate binders
- **Palatable Formulation:** swallowed whole with water and not chewed

Proprietary Nanoparticle Technology

UNICYCIVE has harnessed the phosphate binding potency of lanthanum to reduce the number and size of pills that patients must take to control hyperphosphatemia

- Enhanced surface area
 - Lower molecular weight
 - Immediate release tablets
- 

Enables smaller and swallowable pills



Recommended Daily Starting Dose for Phosphate Binders

MOST PRESCRIBED

Renvela®
sevelamer carbonate 800 mg



2 tablets 3 times per day, swallowed
Volume: 6.5 cm³

Oxylanthanum Carbonate (OLC)*
500 mg



1 tablet 3 times per day, swallowed
Volume: 1.15 cm³

Phoslo®
calcium acetate 667 mg



2 tablets 3 times per day, swallowed
Volume: 6.8 cm³

Auryxia®
ferric citrate 210 mg



2 tablets 3 times per day, swallowed
Volume: 5.5 cm³

Fosrenol®
lanthanum carbonate 500 mg



1 tablet 3 times per day, chewed
Volume: 4.0 cm³

Velphoro®
sucroferric oxyhydroxide 500 mg



1 tablet three times per day, chewed
Volume: 5.5 cm³

* Expected OLC recommended daily starting dose, if approved.

Source: FDA approved package inserts, Pill volumes: Data on file, Unicyclic Therapeutics, Product images are proportionally sized. Renvela® is a registered trademark of Sanofi., Auryxia® is a registered trademark of Akebia Therapeutics. Fosrenol® is a trademark of Takeda Pharmaceutical Company Limited, Phoslo® and Velphoro® are registered trademarks of Vifor Fresenius.



NASDAQ: UNCY

OLC Clinical Data



Pivotal Study Demonstrated Safety & Tolerability of OLC

Study objective to evaluate the safety & tolerability of clinically effective doses (serum phosphate ≤ 5.5 mg/dL) of OLC in CKD patients on dialysis

Treatment-Related Adverse Events in $\geq 5\%$ Patients

Adverse Event	(N=86) n (%)
Diarrhea	8 (9%) ^a
Vomiting	5 (6%) ^a

a) Two patients experienced both diarrhea and vomiting

Safety

- No treatment-related Serious Adverse Events (SAEs)
- 6 patients had non-treatment-related SAEs
- Most AEs were mild-to-moderate; only 2 patients with severe treatment-related AEs

Tolerability

- Total discontinuation due to AEs was 6% (5/86)



Adverse Event (AE) Profiles of Phosphate Lowering Therapies from FDA-Approved Product Labels

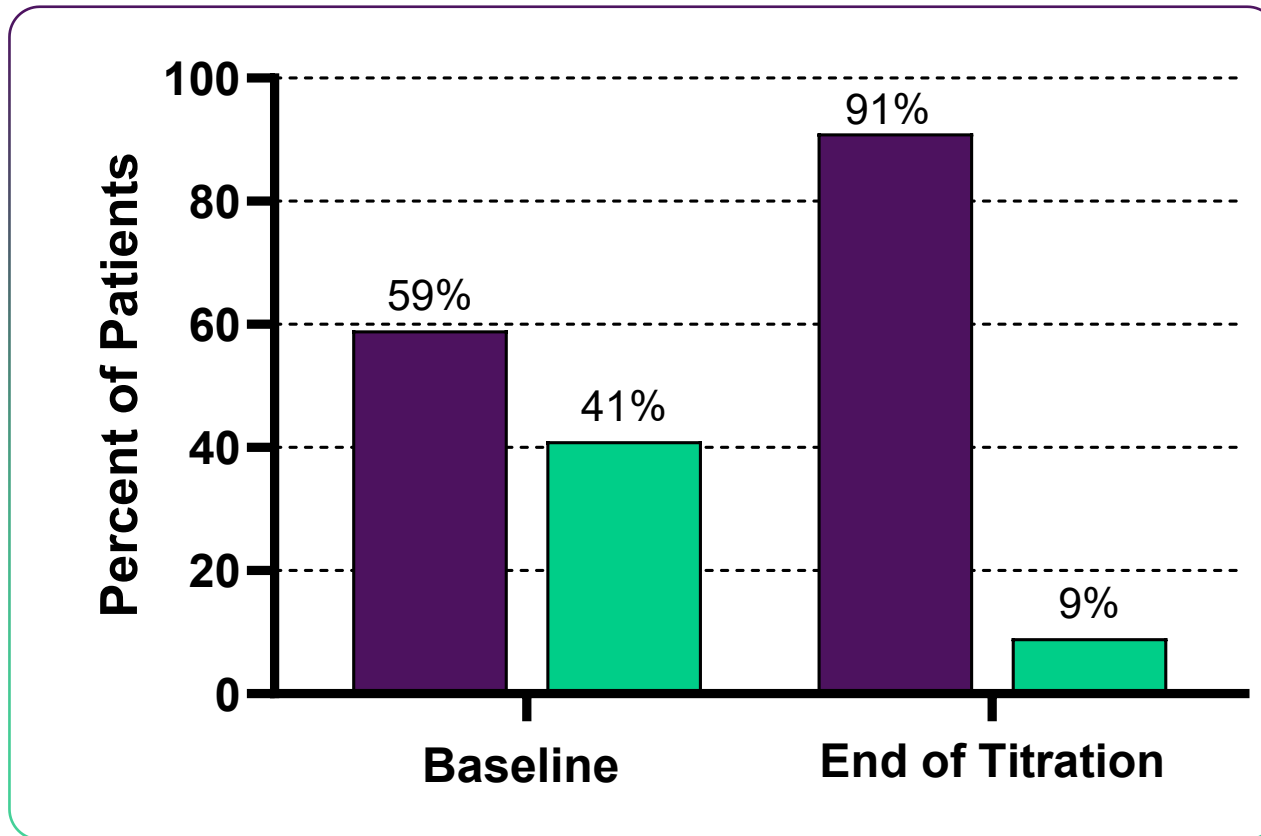
Fosrenol Lanthanum carbonate		Renvela Sevelamer carbonate		Phoslo Calcium acetate		Velphoro Sucroferric oxyhydroxide		Auryxia Ferric citrate		Xphozah tenapanor	
Nausea	11%	Vomiting	22%	Hypercalcemia	13-16%	Diarrhea	24%	Diarrhea	21%	Diarrhea	43-53%
Vomiting	9%	Nausea	20%	Nausea	4-6%	Discolored feces	16%	Discolored feces	19%		
Abdominal pain	5%	Diarrhea	19%	Vomiting	2-4%	Nausea	10%	Nausea	11%		
		Dyspepsia	16%					Constipation	8%		
		Abdominal pain	9%					Vomiting	7%		
		Flatulence	8%					Cough	6%		
		Constipation	8%								

Disclaimer: FDA cautions that because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in clinical trials of a drug cannot to directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

We believe that the AE profile observed in the OLC pivotal trial compares favorably with the historical clinical experience with Fosrenol and other phosphate binders and supports a similar safety profile required for our 505(b)(2) NDA filing



OLC Pivotal Study - Serum Phosphate Control

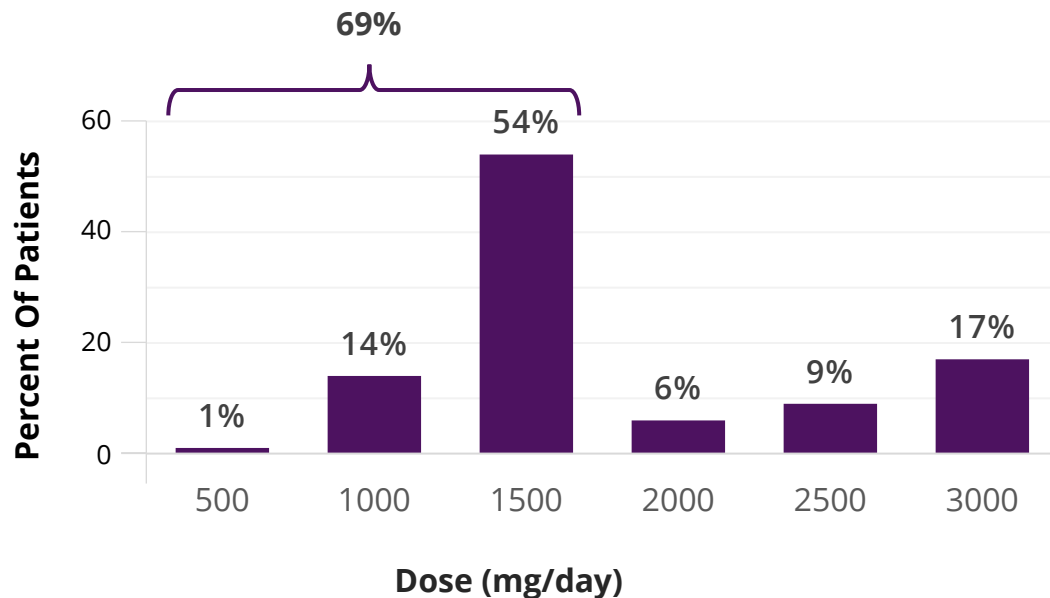


Baseline – Serum phosphate levels at screening before washout
78 patients entered maintenance of which 71 patients achieved P control; $71/78=91\%$



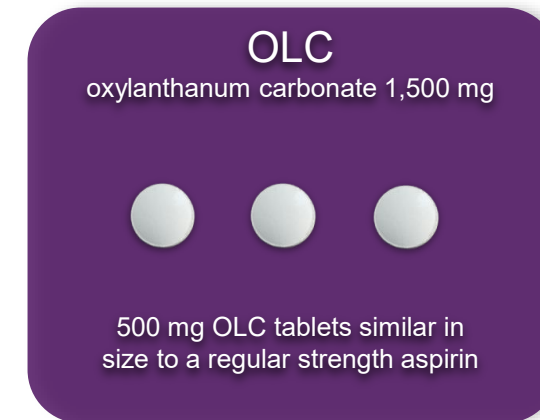
Source: Block GA, Chertow GM, Reddy G, Hasal SJ, Mourya S, Block M, Gupta S, Pergola PE. A Phase 2 Clinical Trial of Oxylanthanum Carbonate in Patients Receiving Maintenance Hemodialysis with Hyperphosphatemia. Clin J Am Soc Nephrol. 2025 Jul 14;20(9):1259-1267. doi: 10.2215/CJN.0000000780. PMID: 40658981; PMCID: PMC12445372.

OLC Pivotal Study - Phosphate Control and Effective Dose in Evaluable Population (n=71)



Of the 71 evaluable patients,

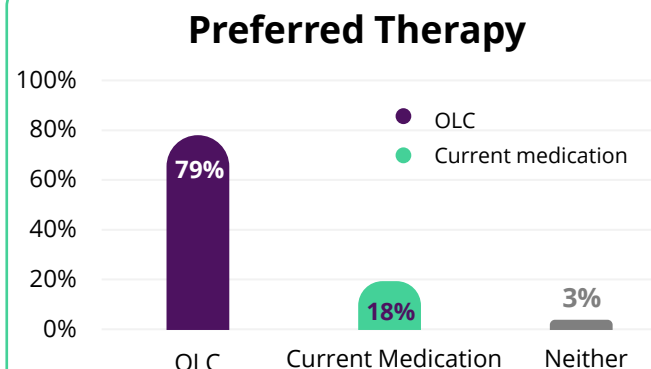
69% achieved a target serum phosphate level of ≤ 5.5 mg/dL at an OLC dose of ≤ 1500 mg/day or less



Source: Block GA, Chertow GM, Reddy G, Hasal SJ, Mourya S, Block M, Gupta S, Pergola PE. A Phase 2 Clinical Trial of Oxylanthanum Carbonate in Patients Receiving Maintenance Hemodialysis with Hyperphosphatemia. Clin J Am Soc Nephrol. 2025 Jul 14;20(9):1259-1267. doi: 10.2215/CJN.0000000780. PMID: 40658981; PMCID: PMC12445372.

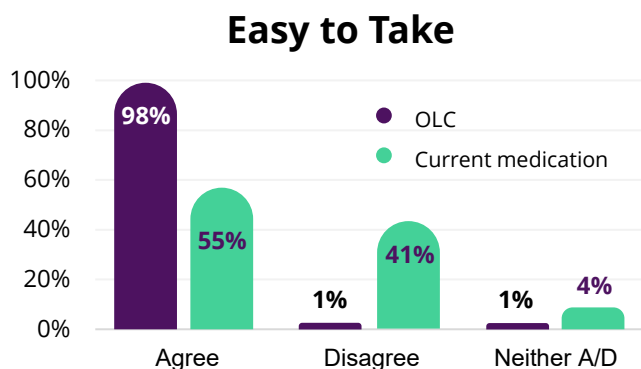
Patients Preferred OLC Over Their Prior Phosphate Binder Therapy in Pivotal Clinical Trial*†

79% of patients preferred OLC over their current medication



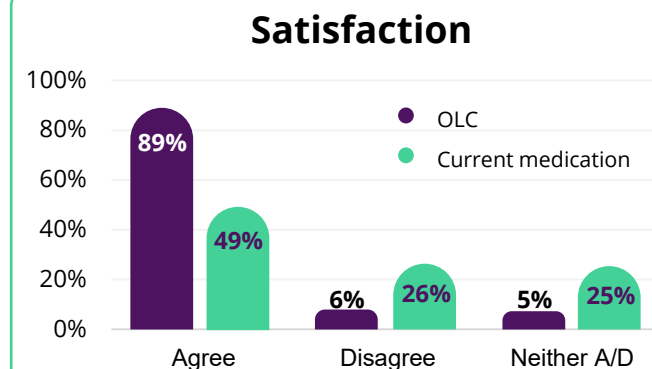
Question: Based on your experience in this clinical trial, do you prefer your current phosphate binder or OLC?

98% of patients said OLC was easy to take vs 55% with current medication



Question: Oxylanthanum carbonate is easy to take?
Question: My current phosphate binder medication is easy to take?

89% of patients were satisfied with OLC vs 49% with current medication



Question: I am satisfied with oxylanthanum carbonate (OLC)?
Question: I am satisfied with my current medication?



*Current medication in the study population before OLC was 52% Renvela (sevelamer carbonate), 19% Phoslo (calcium acetate), 15% Auryxia (ferric citrate), 13% Velporo (sucroferrous oxyhydroxide), and 1% Xphozah (tenapanor). †These data are from a prespecified exploratory analysis of the OLC Pivotal Study.



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OLC Commercial Strategy

Hyperphosphatemia is a Large and Growing Market Opportunity in the U.S.

>550,000

US dialysis patients

~80%

receiving phosphate binders
daily throughout duration of time
on dialysis

75%

of individuals on dialysis fail to
achieve target serum phosphorous
concentration levels of <4.5 mg/dL

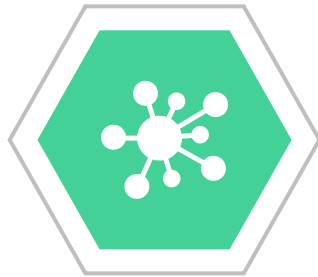
- Nearly 450K dialysis patients in the US require phosphate management therapies, representing a market opportunity of over \$1 billion
- 75% of the patients that take these drugs do not achieve phosphate control per international KDIGO guideline target of <4.5 mg/dl despite six approved therapies on the market

Current medications are failing many patients and a new solution to manage hyperphosphatemia is needed

- This is largely the result of low medication adherence due to excessive pill burden and poor palatability
- GI side effects also contribute to lower compliance by dialysis patients
- Nearly 2/3 of patients have trouble adhering to treatment



OLC: Innovative Dose Formulation May Offer an Attractive New Treatment Option for Patients



Nanoparticle technology harnesses **high phosphate binding capacity** of lanthanum, **favorable safety and tolerability profile**



One swallowed pill taken at each meal may offer patients a **substantial reduction in daily pill burden** compared to other phosphate binder therapies

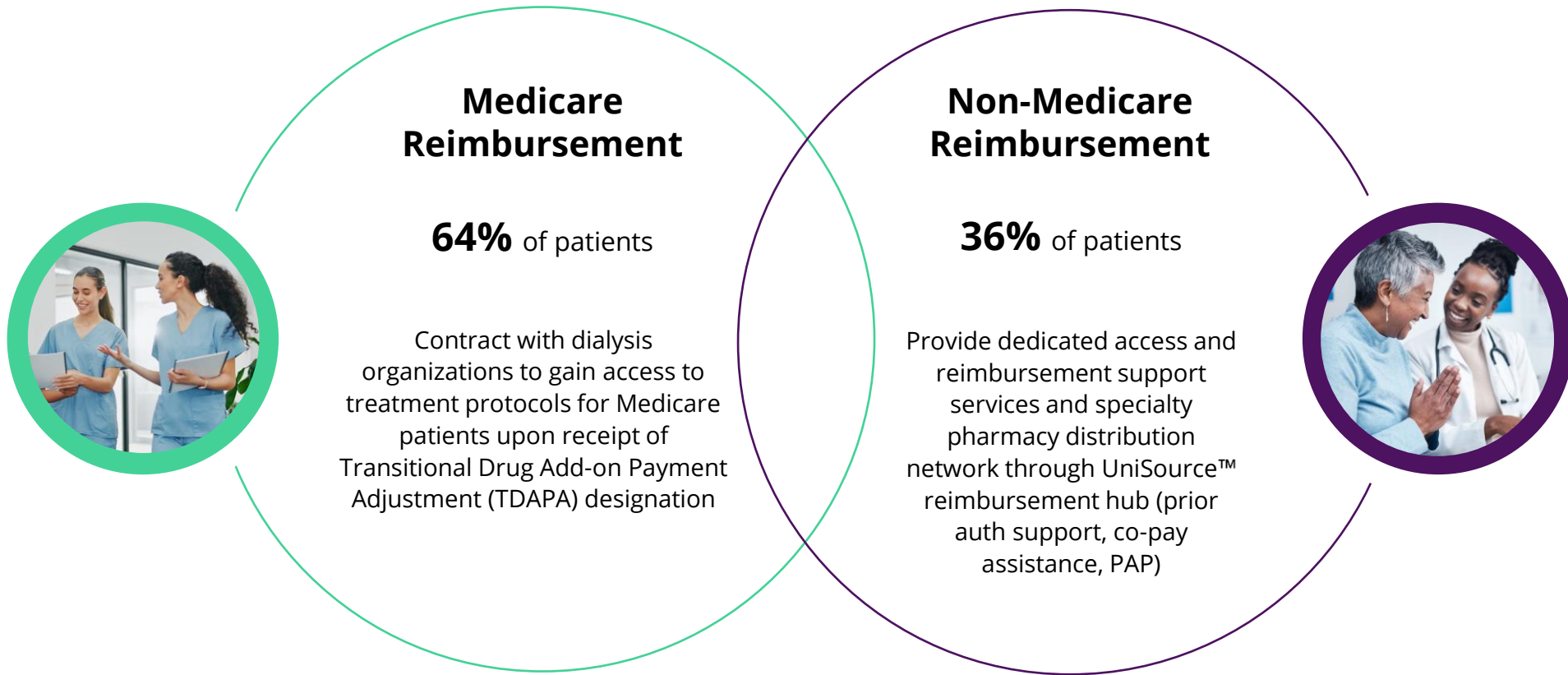


Lower pill burden may facilitate treatment adherence



Source: Palatability/Preferences to swallow vs chew: Data on file, Unicycive Therapeutics, Inc.; Lanthanum Potency: Daugirdas JT, et al. "The Phosphate Binder Equivalent Dose." Seminars in Dialysis. 2011;24(1):41–49 ; Pill Burden: Gupta S, Jermasek D, Hasal S, Mourya SS, Reddy G. Oxylanthanum Carbonate Achieves Serum Phosphate Control with Significantly Lower Pill Burden in Patients with Hyperphosphatemia on Dialysis: TH-PO0506. Journal of the American Society of Nephrology. 2025;36(10S):10.1681/ASN.2025vd06w6ga.

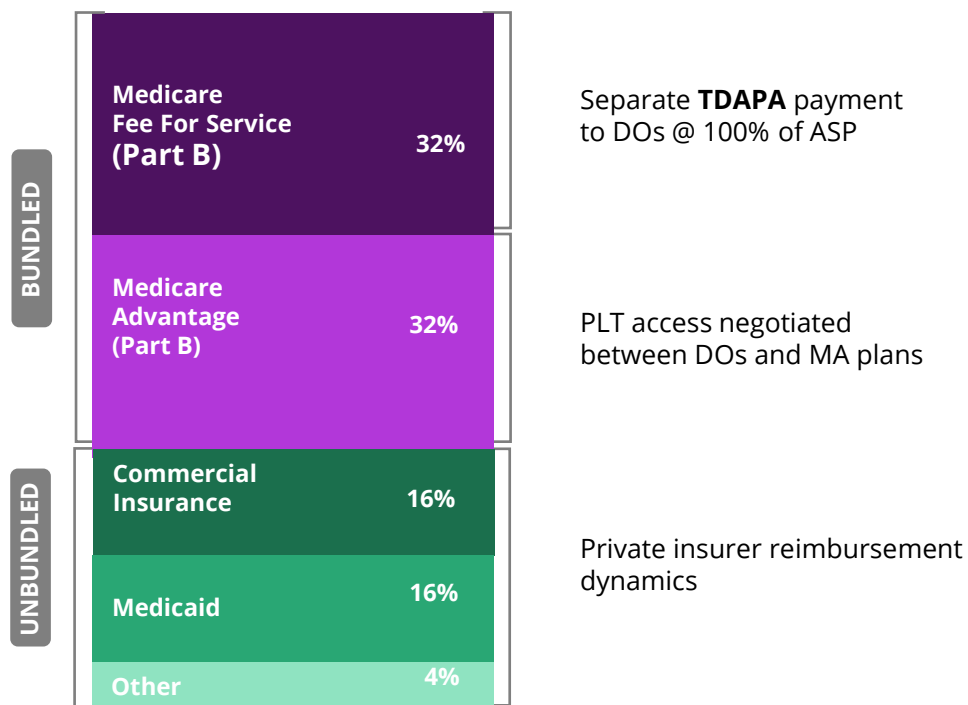
Unicycive's goal is to optimize patient access across all reimbursement settings



Source: Custom audit of branded phosphate binder 100% Medicare FFS claims and MORE (Medical Outcomes Research for Effectiveness and Economics) Registry, 2020/21

Payer Mix and TDAPA Pathway Support OLC Commercial Launch

Branded PLT's Payer Mix¹



- Plan to apply for separate reimbursement through CMS TDAPA program
- TDAPA was established to ensure access to innovative new dialysis drugs, such as OLC, for Medicare patients within the ESRD PPS bundled payment system
- TDAPA allows for separate add-on payment at 100% of ASP for eligible new drugs for two years, followed by payment at 65% of ASP for three additional years based on the drug's utilization

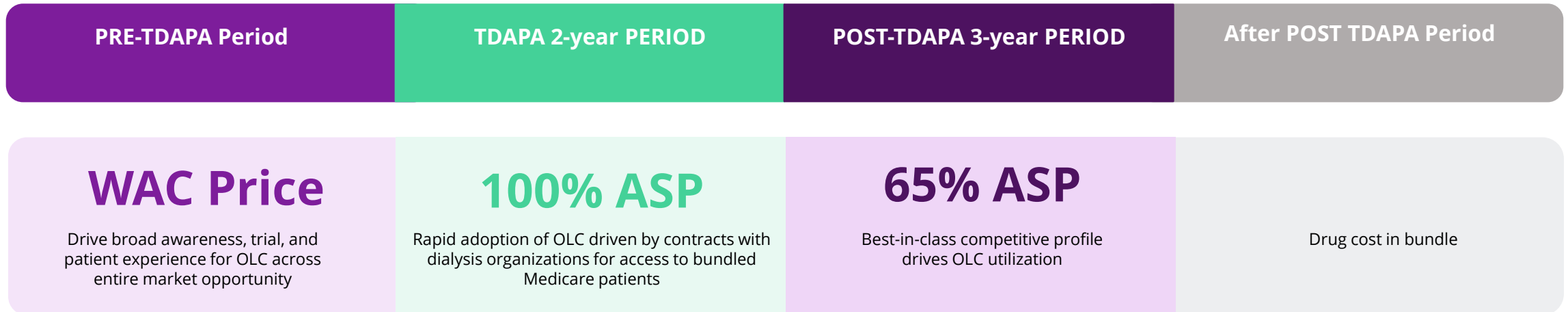


Source: ¹Custom audit of branded phosphate binder 100% Medicare FFS claims and MORE (Medical Outcomes Research for Effectiveness and Economics) Registry, 2020/21.

Medicare Reimbursement Dynamics

Benefit OLC Launch

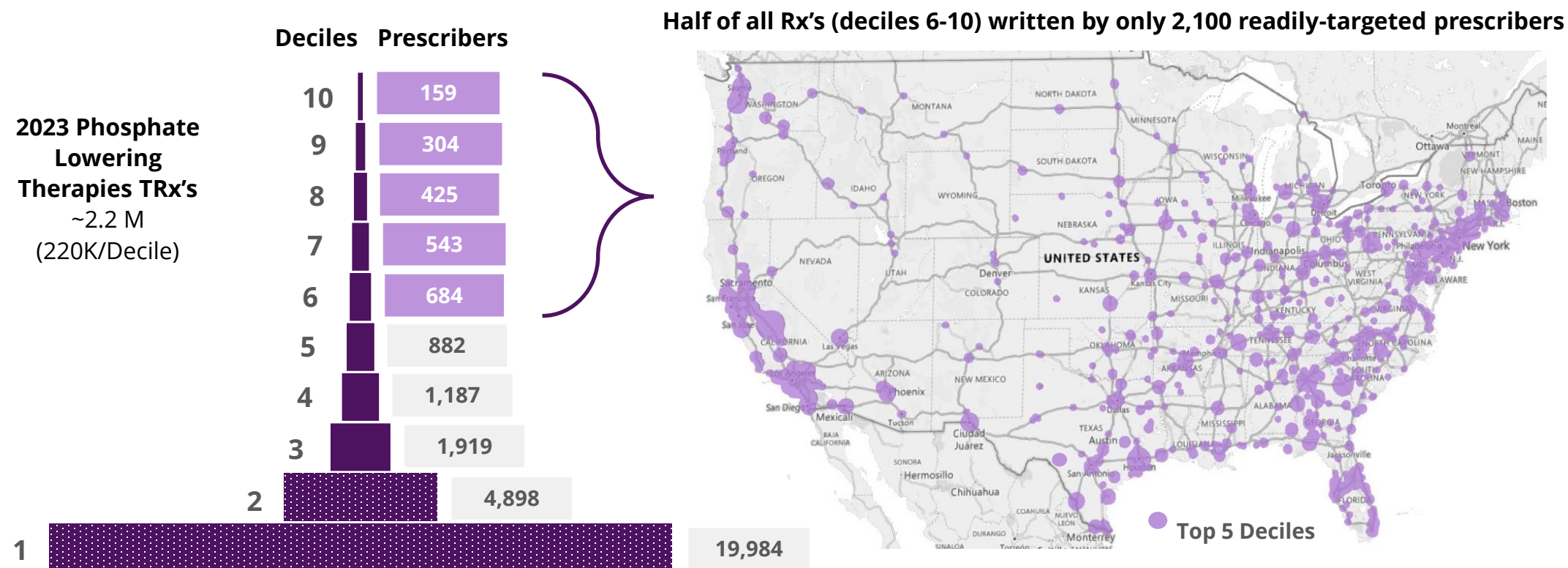
OLC is expected to be only phosphate-lowering therapy with TDAPA designation



Dialysis organizations are incentivized to maximize bundled OLC prescriptions during TDAPA.



Concentrated Prescriber Universe Can Be Addressed with Small, Targeted Salesforce



Source: IQVIA NPA and Xponent Data (captures retail and mail order Rx's but does not include Rx's from certain specialty pharmacies).

Oxylanthanum Carbonate (OLC) IP Status

Strong Global Intellectual Property

01

A family of patents (incl. composition of matter) were filed in 2011 for the U.S with exclusivity until 2031

02

Corresponding patents granted in Canada, Europe, Japan, China, Australia, and other countries with expiry in 2031

03

Potential patent term extension through 2035



Anticipated Future Catalysts in 2026 and Beyond

OLC Approval & Launch

- ❑ Successful Reinspection of Manufacturing Vendor by FDA
- ❑ Resubmit OLC NDA
- ❑ Execute on market-shaping and commercial readiness activities
- ❑ Approval
- ❑ Commercial launch
- ❑ TDAPA designation

UNI-494 for Acute Kidney Injury

- ✓ Orphan Drug Designation granted for the prevention of Delayed Graft Function in kidney transplant patients
- ✓ Method of Use patent granted by USPTO





Corporate Overview



Seasoned Management Team With Winning Track Record in Hyperphosphatemia Market

Management



Shalabh Gupta, MD
Chief Executive Officer
NYU Medical Center,
Genentech, UBS,
Rodman & Renshaw



John Townsend, CPA
Chief Financial Officer
Guardion Health Sciences,
Cytori Therapeutics



Doug Jermasek, MBA
EVP, Corporate Strategy
Genzyme-Sanofi, Akebia,
Keryx, Pfizer, Abbott



Pramod Gupta, PhD
**EVP, Pharmaceutical &
Business Operations**
Spectrum, B&L, Abbott



Guru Reddy, PhD
VP, Preclinical R&D
Spectrum, CIPHERGEN,
Pangene, Yale

Led Genzyme/Sanofi global renal business that grew Renvela (sevelamer) to a multi-billion-dollar franchise

Led commercial team at Keryx that doubled Auryxia year/year revenues for 4 consecutive years

Led preclinical/clinical and manufacturing development of oxylanthanum carbonate at Spectrum

Responsible for the successful filing of multiple NDAs



Unicycive Directors & Advisors

Board of Directors



Sara Kenkare-Mitra, PhD

President & Head of R&D Alector



Sandeep "Steve" Laumas, MD

Goldman Sachs, North Sound Capital



Shalabh Gupta, MD

NYU Medical Center, Genentech, UBS,
Rodman & Renshaw

Scientific Advisory Board



Ravi Mehta, MD

Prof Emeritus of Medicine,
UCSD



Pablo Pergola, MD, PhD

Director, Clinical Advancement
Center, PLLC, a wholly-owned
subsidiary of Renal Associates



Glenn Chertow, MD, MPH

Chief, Division of Nephrology at
Stanford University School of
Medicine



Myles Wolf, MD

Chair of Medicine at Weill
Cornell Medicine and Physician-in-
Chief at New York Presbyterian/Weill
Cornell Medical Center



Financial Overview

Cash and Share Counts

**Unaudited Cash,
Cash Equivalents, and
Short-term Investments**

\$61.4 million
(as of June 30, 2026)

Market Cap

\$227.2 million
(as of May 13, 2026)

**Shares of Common
Stock Outstanding**

26.7 million
common shares

Supported by Prominent Healthcare Investors

Octa8on



RACAPITAL



BVF
PARTNERS L.P.



Great Point Partners

NANTAHALA
CAPITAL MANAGEMENT LLC





Investor Relations

T: (650) 900-5470 | ir@unicycive.com



Potential Commercial Funding

Additional \$102 Million in committed capital in three tranches of warrants to support commercialization

Tranche & Amount	Trigger	Exercise Price	Conversion into Equivalent Common Stock
Tranche A: \$24.3 MM	FDA Approval	5.40	4.51 million
Tranche B: \$25.7 MM	TDAPA Designation	5.90	4.35 million
Tranche C : \$51.5 MM	Four quarters of OLC Sales	7.40	6.96 million
Cumulative Warrants (All Tranches)			15.82 million
Potential Future Funding \$102MM			

