

Roadmap Phase 3 - Scaling

Phase 3 will replicate successful knowledge ecosystem enhancement approaches from the Phase 2 pilots (and related ecosystem enhancement efforts) to many clinical targets and apply them broadly in care delivery settings and other organizations contributing to the ecosystem cycle. Leveraging the maturing reference architecture and supported by the maturing Roadmap Execution Steering Committee, PPP, and Coordinating Center established in prior phases, this phase will enhance the AHRQ DKP, other DKPs, and public/private marketplaces to begin enabling widespread organizational LHSs and a U.S. national LHS that starts to deliver significant progress toward the Quintuple Aim for many clinical targets. Phase 3 will demonstrate a high-functioning knowledge supply chain where the Phase 2 tools for making evidence and guidance computable support the rapid incorporation of impactful new study results into living systematic reviews, which in turn trigger rapid updating of living guidance, which in turns triggers rapid updating of CDS interventions and eQMs. Phase 3 will also more broadly promote continuous learning to support performance improvement for providers and the broader healthcare workforce. Building upon the Phase 2 pilots, this phase will widely incorporate healthcare leadership and system culture as drivers to achieve the ecosystem cycle goals.



- Phase 3 Deliverables
- Phase 3 Tasks, Timeline & Costs

Phase 3 Deliverables

- **PPP-driven collaboration network and infrastructure** for broadly fostering LHSs and realization of the Quintuple Aim supported by a high functioning knowledge ecosystem, including further enhancements to the **Coordinating Center**
- **Production version of an enterprise wide AHRQ DKP** including computability for all resources from AHRQ and others, as appropriate
- **Production version of tooling** that makes information processing in the **knowledge ecosystem cycle more computable and user friendly** and information transfer between these steps more **seamlessly interoperable for all clinical targets, including** a full Production version of an **open, public-sector marketplace** that delivers offerings from all Federal agencies (and other interested public sources) as appropriate
- **Living evidence, guidance, and CDS interventions/eQMs for up to 25 clinical targets** prioritized by the Roadmap Execution Steering Committee/PPP (including the eight clinical targets from Phases 1 and 2), **produced and maintained using the tooling deliverables**
- Enhanced **playbook for creating and maintaining living computable evidence, guidance, and CDS/eQMs** that is coordinated with investments from other stakeholder organizations to generate supporting educational materials (e.g., courses, learning communities)
- **Results from developing and clinically implementing the living CDS interventions and eQMs (and AHRQ DKP)** for the eight Phase 1 and 2 clinical targets in **at least 50 different CDOs (with wide variation in size, populations and regions served, health IT sophistication and systems) affecting care for at least 20 million patients**, which includes assessing and documenting:
 - The **implications of these results** for more broadly leveraging the AHRQ DKP and other knowledge ecosystem components during Phase 3 Scaling
 - How **system leaders** were engaged to foster a learning culture that explicitly supports interprofessional continuing education for team collaboration, adoption, and widespread implementation of CDS interventions in variable practice settings
- **Enhanced Playbook for successfully implementing CDS interventions and eQMs** that covers in detail at least the eight Phase 1 and 2 clinical targets (applicable to other targets as well) that is coordinated with investments from other stakeholder organizations to generate supporting educational materials (e.g., courses, learning communities)
- **Requirements and project plans for broadly scaling AHRQ DKP and other Knowledge Ecosystem components**, to support the ecosystem cycle for many more clinical targets and setting than addressed in Phase 2

Phase 3 Tasks, Timeline & Costs

Table 13. ACTS Phase 3 Create/Use Governance & Collaboration Tasks, Timeline & Costs

Task	Start	End
3 Phase 3. Scaling	10/2027	9/2030
3.1 Enhance PPP/Roadmap Execution Steering Committee for Phase 3 Scaling	Month 1	Month 4
3.2 Modify collaboration infrastructure to support PPP/Roadmap Execution Steering Committee and stakeholder engagement	Month 1	Month 4
3.3 Support Phase 3 PPP/Roadmap Execution Steering Committee	Month 5	Month 36
3.3.1 Maintain PPP		
3.3.2 Develop data sharing agreements for AHRQ DKP/marketplace	Month 5	Month 9
3.3.3 Identify up to 25 additional clinical targets beyond Phase 2 targets	Month 5	Month 7
3.3.4 Establish criteria to select tools/resources to scale	Month 5	Month 7
3.3.5 Establish criteria to select clinical sites for scaled guidance implementation	Month 5	Month 7

3.3.6	Ensure broad stakeholder engagement in scaling requirements development	Month 5	Month 11
3.3.7	Ensure broad stakeholder engagement in Agile Scaling work on Phase 3 Infrastructure, Evidence/Guidance, and Implementation Tasks	Month 10	Month 30
3.3.8	Ensure broad stakeholder engagement in Phase 3 Scaling feedback evaluation and Phase 4 project plan development	Month 29	Month 36
3.4	Enhance and leverage the Coordinating Center	Month 1	Month 36
3.4.1	Institute project management for AHRQ DKP Scaling Phase	Month 1	Month 36
3.4.2	Coordinate scaling requirements gathering, development, evaluation, and Phase 4 LHS/Quintuple Aim planning with other pertinent initiatives	Month 3	Month 36
3.4.3	Cultivate opportunities for public and private organizations to contribute to and benefit from Phase 3	Month 1	Month 36
3.4.4	Hold an annual meeting	Month 1	Month 36

Table 14. ACTS Phase 3 Enhance/Leverage Infrastructure Tasks, Timeline & Costs

Task	Start	End
3.5 Maintain Phase 2 AHRQ DKP Pilot and Enhance into Full Enterprise Solution	Month 1	Month 36
3.5.1 Leverage requirements from Phase 2 pilot to enhance AHRQ DKP technology and processes	Month 1	Month 18
3.5.2 Leverage requirements from Phase 2 pilot to enhance AHRQ DKP content	Month 6	Month 18
3.5.3 Stage and test platform, gather feedback, and modify development environment	Month 19	Month 24
3.5.4 Produce an enterprise Production AHRQ DKP pilot	Month 25	Month 36
3.5.5 Maintain the AHRQ DKP	Month 1	Month 36
3.6 Integrate and enhance Phase 2 tooling	Month 5	Month 28
3.6.1 Determine requirements for a high-functioning knowledge supply chain for the 8–25 clinical targets	Month 5	Month 11
3.6.2 Produce tooling for a high-functioning knowledge supply chain	Month 12	Month 28

Table 15. ACTS Phase 3 Enhance/Develop Living, Computable Guidance Tasks, Timeline & Costs

Task	Start	End
3.7 Demonstrate a high-functioning knowledge supply chain for at least 25 clinical targets	Month 3	Month 36
3.8 Use and enhance the Living Guidance Development Playbook	Month 3	Month 36

Table 16. ACTS Phase 3 Enhance Guidance Implementation & Assessment Tasks, Timeline & Costs

Task	Start	End
3.9 Integrate the living CDS/eCQM into information systems and clinical workflows in at least 50 CDOs for 8–25 clinical targets	Month 8	Month 28
3.9.1 Select CDO sites, providers, and patients for guidance implementation and assessment	Month 8	Month 14
3.9.2 Integrate interventions into systems, reengineer workflows, and train staff	Month 15	Month 21
3.9.3 Deploy tools and workflows into care delivery activities	Month 22	Month 28

3.9.4	Demonstrate computable information flow within the knowledge ecosystem cycle	Month 22	Month 28
3.10	Use and enhance the Implementation Playbook	Month 3	Month 34

Table 17. ACTS Phase 3 Evaluate/Plan Roadmap Execution Tasks, Timeline & Costs

Task	Start	End
3.11 Gather and analyze scaling feedback and develop requirements and project plans for Phase 4	Month h 18	Month h 36
3.11.1 Develop a Phase 3 evaluation plan	Month h 18	Month h 28
3.11.2 Implement the Phase 3 evaluation plan	Month h 29	Month h 36
3.11.2.1 Determine requirements and a project plan to convert the Scaled AHRQ DKP into a fully functional AHRQ DKP during Phase 4	Month h 29	Month h 36
3.11.2.2 Provide requirements and a Phase 4 project plan to demonstrate knowledge-ecosystem-enabled LHS function in at least 10 CDOs	Month h 29	Month h 36
3.11.3 Produce a Phase 3 report	Month h 29	Month h 36
3.12 Develop and execute research plan	Month h 3	Month h 36
3.12.1 Define strategies to incorporate AHRQ's DHRSP into Phase 3 and apply Roadmap results into the DHRSP	Month h 3	Month h 9
3.12.2 Ensure bidirectional support between DHRSP strategic pillars and ACTS Phase 3 AHRQ DKP and knowledge ecosystem enhancement scaling projects and resource enhancement/development tasks	Month h 10	Month h 36